



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

# **2015-17 Biennial Municipal Stormwater Grants of Regional or Statewide Significance**

## **Final Offer and Applicant List**

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## Publication and Contact Information

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# **2015-17 Biennial Municipal Stormwater Grants of Regional or Statewide Significance**

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## **Final Offer and Applicant List**

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

In July 2015, 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. Funding for this program is carry-forward funding provided by the Washington State Legislature to Ecology 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 *2015-17 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. Ecology used the scores for project purpose to break any overall score ties. If project purpose scores were equal, Ecology prioritized the project with the higher total scope of work score for funding.

<b>Category</b>	<b>Evaluation Criteria</b>	<b>Maximum Possible Points</b>
<b>Project Purpose (275)</b>	Supports implementation of NPDES municipal stormwater permit 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
<b>Project Description and Scope of Work (300 points)</b>	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
<b>Project Team and Project Management (175 points)</b>	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
<b>Project Budget and Readiness to Proceed (250)</b>	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. A complete listing of the administrative requirements for all grants and loans administered by Ecology is contained in the *Administrative Requirements for Recipients of Ecology Grants and Loans Managed in EAGL*; see: <https://fortress.wa.gov/ecy/publications/publications/1401002.pdf>.

## 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 and payment requests, maintaining project documentation and managing the project. Project administration is payable only to the lead permittee.

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, a 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. It will take less time to develop a funding agreement if you have a clearly defined project proposal that includes measurable objectives

and an accurate budget. 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**

Ecology makes all grant payments on a reimbursement basis. Recipients must provide a progress report with each payment request and at least quarterly. Lack of progress reports submission or inadequate project progress information will result in delayed payment requests. Ecology will review projects for potential termination if progress reports have not been submitted for two quarters.

## **Project completion dates and extensions**

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 recipients can incur eligible costs before the agreement is signed, they do so at their own risk.

**Projects must be completed no later than March 30, 2017.** 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, 2017.

## **Applicant List Summary**

Ecology received 26 proposals totaling more than \$5,384,287 in requests for municipal stormwater grants of regional and statewide significance. Based on the funding available, Ecology proposes to fund seven projects totaling \$1,695,439.25. The priority list of rated projects is at the end of this publication.

# 15-17 GROSS Grant Final Offer and Applicant List

Rank	Final Score	Application Number	Organization Name	Project Title	Project Short Description	Total Eligible Cost	Proposed Grant Award	Footnotes
1	873.5	WQSWGRS-2016-BothPW-00011	Bothell city of - Public Works	Drain Rangers-Statewide Youth Education Curriculum Implementation	In Washington, stormwater education curriculum is administered sporadically in some schools and not at all in others. As a result, students do not obtain a basic understanding of stormwater or behaviors that contribute to polluted stormwater runoff. To address this problem, the project partners will pilot the Drain Ranger curriculum in the classroom and assist up to 100 formal and informal educators with implementing the curriculum in elementary, middle, and high schools across the State.	\$181,544.25	\$181,544.25	1,2
2	872.5	WQSWGRS-2016-YaCoPS-00039	Yakima County - Public Services Department	Washington State Municipal Stormwater Conference 2016	This project will plan, organize, promote, and execute a Washington State Municipal Stormwater Conference (MuniCon), focused specifically on municipal 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.	\$148,433.00	\$148,433.00	1
3	855	WQSWGRS-2016-KiCoPW-00023	Kitsap County - Public Works	Statewide Education and Compliance Strategies for Contractor Businesses	Mobile/contractor businesses work across multiple jurisdictions and continue to be a source of pollutants. A social marketing based program informed by target audience research will be developed and implemented. The permittee stakeholder group will develop guidance strategies for implementing consistent education and creating an atmosphere for compliance. The resulting program will incorporate research about target audience cultural demographics and interactive educational tools.	\$198,230.00	\$198,230.00	1

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4	837.5	WQSWGRS-2016-KCWLRD-00035	King County - Water and Land Resources Division	Don't Drip and Drive: Vehicle Leaks Behavior Change Project	Vehicle leaks are a significant source of pollution in the Puget Sound basin. King County, with STORM and other partners, proposes to launch Phase III of the regional Don't Drip & Drive vehicle leak behavior change program to raise vehicle owners' awareness and motivate them to fix leaks. The effort includes partnerships with auto repair and quick lube shops, workshops, leak testing events, outreach, and Latino engagement that will result in an estimated repair of 2,500 vehicle leaks.	\$300,000.00	\$300,000.00	1
5	835	WQSWGRS-2016-KiCoPW-00028	Kitsap County - Public Works	Bioretention Media Components Analysis to Improve Runoff Treatment -Phase 1	<p>The project goal is to develop new statewide guidelines for high-performance bioretention soil media. The primary objectives of this grant project will be to evaluate bioretention soil media (BSM) components, and the permeability and plant growing capability of media blends.</p> <p>This proposal will be Phase 1 of a two-part project to complete testing of individual bioretention soil media (BSM) components and media blends. Phase 2 of this effort will be submitted as a separate 2015 GROSS proposal.</p>	\$267,295.00	\$267,295.00	1
6	812.5	WQSWGRS-2016-SpoVal-00016	Spokane Valley city of	Eastern Washington Effectiveness Study Development Phases 2 & 3	This project helps 24 Municipal Stormwater permittees in eastern Washington meet August 1, 2014 permit requirements S8.B.2-6. With Ecology, the City of Spokane Valley led the first of four step process to begin development of Stormwater Effectiveness Studies. Questions "What can be done?" and "How much will it cost?" were answered in step 1. This project proposes to answer the questions in the next two steps of: "What is important?", "Who will lead it?", and "How will the work be completed?"	\$300,000.00	\$300,000.00	1

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7	792.5	WQSWGRS-2016-SeaPUD-00025	Seattle city of - Public Utilities Department	Analysis of Bioretention Media Blends to Improve Runoff Treatment (Phase 2)	The project goal is to develop new statewide guidelines for high-performance bioretention soil media. The primary objectives of this grant project will be to evaluate the bioretention soil media (BSM) blends developed in the Phase 1 grant project for: pollutant export potential, pollutant capture capability and the ability to reduce stormwater toxicity to aquatic organisms (biological effectiveness) to determine which media performs best for reducing pollutants in stormwater runoff.	\$299,937.00	\$299,937.00	1,3
8	762.5	WQSWGRS-2016-SpCoSU-00012	Spokane County - Stormwater Utility	Promoting Regional Stewardship of Water Resources through Hands-on Exhibits	This project will support new interactive exhibits at the Spokane County Water Resource Center (WRC), a newly-constructed interactive education center, located at the Spokane County Regional Water Reclamation Facility. The exhibits will be utilized by a number of Eastern Washington Phase II Municipal Stormwater permittees and regional sustainability organizations to educate students and adults on concepts that are fundamental to the understanding and stewardship of our water resources.	\$76,750.00	\$0.00	4
9	757.5	WQSWGRS-2016-Coving-00022	Covington city of	Homeowner Guidance for Selecting a Mobile Business	Develop a Community Based Social Marketing Campaign to encourage residential homeowners to consider the waste water disposal practices of mobile businesses during the hiring process. This project will complement the existing Dump Smart Campaign and parallel the currently proposed "Statewide Education and Compliance Strategies for Contractor Business Project".	\$35,000.00	\$0.00	4,5

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10	757.5	WQSWGRS-2016-Spokane-00007	Spokane city of	Spokane Regional Outreach, Branding and PCB Education	Develop and implement a Strategic Public Education and Awareness Campaign focused on providing information on the water quality challenges facing the Spokane River and the Spokane Valley-Rathdrum Prairie Aquifer and what citizens and businesses can do to make a difference. This project will support the NPDES implementation of the three NPDES jurisdictions—City of Spokane, Spokane County, and the City of Spokane Valley—and will directly benefit the stormwater programs for these permittees.	\$300,000.00	\$0.00	4,5
11	757.5	WQSWGRS-2016-KirkPW-00020	Kirkland city of - Public Works	Residential Low Impact Development (LID) Retrofit Outreach and Education	Identify effective means of communicating LID concepts to residents as well as the barriers and motivations to installing residential LID retrofits. Includes: research effectiveness of existing LID outreach programs in Western WA; audience research into barriers and motivations; creation of a glossary of common, plain LID language; development of regionally-applicable LID resources that target residents. This is the first phase in a multi-phased effort to develop a regional LID outreach program.	\$218,000.00	\$0.00	4,5
12	752.5	WQSWGRS-2016-MercIs-00009	Mercer Island city of	Inreach	Seven NPDES permittee jurisdictions in three counties will collaborate in producing an online platform, templates, a toolkit, and exemplary curriculum units that use local policy, science, engineering, and performance measures as community curriculum resources empowering teachers and students to apply academic skills in designing projects that reduce polluted stormwater runoff.	\$299,195.00	\$0.00	4
13	745	WQSWGRS-2016-Kelso-00034	Kelso city of	Cowlitz Clean Water Partners Outreach Program	Develop a website and media materials for a regional social marketing campaign by Cowlitz Clean Water Partners.	\$116,600.00	\$0.00	4

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14	735	WQSWGRS-2016-TacoES-00014	Tacoma city of - Environmental Services Department	Designing low-cost phosphorus treatment media for the State of Washington	The objectives of this project are to demonstrate the effectiveness of low cost, non-proprietary treatment media for phosphorous (P) removal and to develop design specifications for 2-3 media mixes for use in treatment systems throughout WA. Work will include: lab column studies to develop contact time vs P removal relationships; evaluation of processing methods necessary for sufficient media production; and a field-study to obtain long term performance data of a fully designed treatment system.	\$259,981.00	\$0.00	4
15	730	WQSWGRS-2016-KCWLRD-00042	King County - Water and Land Resources Division	Illicit Discharge Screening: Training, Effectiveness, and Improvement	Locating illicit discharges and pollutant source tracing are stormwater issues faced by every jurisdiction in the state. This project proposes to seek new screening and tracing methodologies to address emerging issues, provide ten illicit discharge identification and source tracing trainings statewide, and conduct a survey on the effectiveness of the Illicit Connection and Illicit Discharge Field Screening and Source Tracing Guidance Manual.	\$208,922.00	\$0.00	4
16	720	WQSWGRS-2016-Centra-00018	Centralia city of	A Fiberglass Salmon, "FIN" replica, for Southwest Washington and the	The City of Centralia, with the support of its partners, proposes to construct a replica of "FIN", the 28 foot fiberglass salmon that children can crawl inside of, for stormwater education and outreach purposes. FIN's mobility will allow use by not only the City of Centralia but also any other Phase I or Phase II permittees in the southwest and coastal areas of Washington State (or others in the State) .	\$50,000.00	\$0.00	4
17	710	WQSWGRS-2016-TacoES-00032	Tacoma city of - Environmental Services Department	Permeable Pavements for Puget Sound	Permeable pavements are a cost effective solution to managing stormwater that can also replace failed roadways. Tacoma has constructed a dozen permeable pavement projects within the past ten years. As a result it is clear that this technology is advancing rapidly and the lack of industry standards is slowing progress. This project proposes to field test new porous asphalt mix designs and new material testing procedures, to further pavement durability and increase confidence in this technology.	\$300,000.00	\$0.00	4

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18	630	WQSWGRS- 2016-Pasco- 00056	Pasco city of	Soil Matrixes for Unvegetated Stormwater Swales in Eastern Washington	The purpose of this study is to develop a soil media more suited for Eastern Washington with an emphasis on un-vegetative soil matrixes and what they will treat in arid and xeriscaping locations. The study will also emphasize the use and evaluation of local sources of the media components (e.g., local sand to replace the sand component and local sandy loams to replace the sand/organic component) where appropriate.	\$250,000.00	\$0.00	4
19	623.5	WQSWGRS- 2016- PuyaPW- 00004	Puyallup city of - Public Works	Creating a Rain Garden Application for Western Washington	This project will adapt an interactive rain garden application previously developed by the University of Connecticut for use within Western Washington. Funds will be used to create inputs specific to Western Washington which will allow revisions to the application in order to be consistent with the Department of Ecology's guidance on rain garden construction. The application will walk users through the steps of planning, building, planting, and maintaining a stormwater-filtering rain garden.	\$85,535.00	\$0.00	4
20	620	WQSWGRS- 2016- YaCoPS- 00008	Yakima County - Public Services Department	Stormwater Educational Outreach and Training Campaign	Yakima County is seeking grant funds to support and expand our public education and outreach campaign and the "Yakima Regional Stormwater Outreach and Education Action Plan". Campaign support activities include, but not limited to, development of website and/or mobile application development, school and public organization seminars based on stormwater/pollution mitigation activities, and training materials and physical education courses for public participation and awareness.	\$118,000.00	\$0.00	4
21	602.5	WQSWGRS- 2016- Olympi- 00002	Olympia city of	Stormwater Curricula and Education Expansion	The project team will (1) Create an online training portal by incorporating current online LID resources including existing curriculum; (2) Develop LID curriculum at the community college level to aid in workforce development regarding new LID regulations and NPDES permit requirements; and (3) Develop a training tracking system for NPDES permit requirements designed to align municipal staff training needs with current stormwater training opportunities.	\$300,000.00	\$0.00	4

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22	582.5	WQSWGRS- 2016- Douglas County TLS- 00026	Douglas County Transportation and Land Services	School-Age Stormwater Education.	A. Review existing School –Age Stormwater Education Programs. Compile existing program elements, evaluate and update program guidance which may be utilized statewide. Develop strategies for evaluation of effectiveness of the Program. The Washington Stormwater Center may be approached to determine if the Center is able to host a database of programs for interested permittees	\$147,865.00	\$0.00	6
23	562.5	WQSWGRS- 2016- WashPW- 00041	Washougal city of - Public Works Department	Decant Facility "Operation, Activities and Equipment"	The Western Washington Phase II Stormwater Permit describes procedures for street waste disposal in Appendix 6. The City has proactively funded a decant facility, which is scheduled for completion in 2016. The decant facility will need to be maintained and sweeping/CB waste material will need to be properly reused or disposed of. To assure proper handling of these waste products the City will need to purchase a loader, a screening machine and a automatic, load tracking system.	\$265,000.00	\$0.00	6
24	547.5	WQSWGRS- 2016- KCWLDR- 00021	King County - Water and Land Resources Division	2018 Municipal NPDES Permit Update process	Washington’s municipal stormwater permit holders seek to explore collaboration with the Washington State Department of Ecology (Ecology) on the scheduled 2018 NPDES permits. It is the hope that collaboration would be a cost-effective approach to permit development. This proposal would identify the parties required for collaboration, the issues related to permit language and implementation, and ideas for what a continued collaborative process could look like.	\$135,000.00	\$0.00	6
25	542.5	WQSWGRS- 2016- PuyaPW- 00001	Puyallup city of - Public Works	Partnership Model for Pavement Removal and Low Impact Development Retrofit	Through a broad-reaching partnership with jurisdictions and organizations throughout Puget Sound the City of Puyallup with Pierce Conservation District (PCD) as the lead Partner will expand the existing PCD Pavement Removal Program into a Partnership Model for Pavement Removal and LID Retrofit. This program has been successful locally as a stormwater management tool as well as a powerful community-engagement tool. This partnership will modeled for implementation anywhere in Washington.	\$300,000.00	\$0.00	6

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26	432.5	WQSWGRS- 2016- MonrDC- 00029	Monroe city of - Design and Construction Division	Cyclone Street Sweeper	Purchase Cyclone Street Sweeper to revitalize and clean pervious cement concrete pavement within the City of Monroe and other municipalities that need an effective method of maintaining their pervious concrete.	\$223,000.00	\$0.00	6
						\$5,384,287.25	\$1,695,439.25	

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## Footnotes:

1. Maximum grant offer. Final grant award will be determined through the grant agreement negotiation process and will be limited to eligible grant expenses.
2. Teacher stipends are not an eligible expense.
3. Funding is conditional on the timely and successful completion of WQSWGRS-2016-KiCoPW-00028.
4. The applicant requested funding, however, after higher priority projects were proposed for funding, no funding is available.
5. Three way tie broken by the highest average score for project purpose. 1) Coving-00022; 227.5, 2) Spokane-0007; 225, 3) KirkPW-00020; 202.5
6. Project proposal did not attain the required minimum score of 600 to be eligible for funding.