



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

# **FY 2012 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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# **FY 2012 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

The *FY 2012 Municipal Stormwater Grants of Regional or Statewide Significance* funding program is intended to provide support for Phase I and Phase II local governments. Eligible projects benefit stormwater management programs across a region or statewide and support implementation of National Pollutant Discharge Elimination System (NPDES) municipal stormwater permit programs. Project benefits include:

- Assists a number of permittees in a region or statewide to implement permit requirements.
- Develops a product that is transferrable regionally or statewide.
- Purchases equipment and/or personal services contracts that support activities for multiple permittees.
- Advances regional and statewide access to stormwater management technology or resources.

**Note: Capital construction projects are not eligible for funding.**

# Development Process

The Washington State Department of Ecology (Ecology) solicited proposals for stormwater projects of regional or statewide significance. Projects needed to support the implementation of the NPDES Municipal Stormwater General Permits issued in January 2007 and reissued for draft review in October 2011:

- Phase I Municipal Stormwater General Permit
- Western Washington Phase II Municipal Stormwater General Permit
- Eastern Washington Phase II Municipal Stormwater General Permit

The \$2,200,000 available 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 FY 2012 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. Ecology used the

rating criteria presented in the FY2010-2011 Request for Proposals (August 28, 2009) for Municipal Stormwater Grants of Regional or Statewide Significance.

The principal rating and ranking criteria are outlined below.

<b>Proposal Component</b>	<b>Maximum Points</b>
Cover Sheet	0
Project Abstract	0
<b>Work Plan</b>	
Project purpose, including: <ul style="list-style-type: none"> <li>- Directly benefits multiple stormwater management programs</li> <li>- Supports implementation of NPDES municipal stormwater permit programs</li> <li>- Demonstrates regional or statewide significance or value (e.g., is transferable, involves large number of permittees)</li> </ul>	300
Clear and concise Project Description <ul style="list-style-type: none"> <li>- Clear project objectives</li> <li>- Detailed description of project tasks, outcomes, schedule</li> <li>- Demonstrates readiness to proceed (e.g., project elements in place)</li> <li>- Includes specific deliverables linked to project purpose, tasks, project objectives</li> </ul>	350
Strong partnerships <ul style="list-style-type: none"> <li>- Demonstrates strong regional or statewide component/collaboration</li> <li>- Identifies clear, appropriate roles and responsibilities for various partners</li> </ul>	100
Project management <ul style="list-style-type: none"> <li>- Clear team structure and project management</li> <li>- Highly qualified staff, appropriate levels-of-effort and assignments</li> </ul>	100
<b>Project Budget</b>	<b>150</b>
Complete, understandable project budget, consistent with project work plan.	
Budget is reasonable.	
Budget represents a good value for the work product(s).	
<b>TOTAL POINTS AVAILABLE</b>	<b>1000</b>

## **Applicant List Summary**

Ecology received 25 proposals totaling more than \$4,600,000 in requests for municipal stormwater grants of regional and statewide significance. Based on the funding available, Ecology proposes to fund 12 projects totaling \$2,199,474. The priority list of rated projects is at the end of this publication.

The table below shows the funding distribution by the types of projects offered funding.

Project Type	Projects Funded	Grant Amount Requested	Grant Amount Offered
Cooperative mapping or recordkeeping system	1	\$165,969	\$165,969
Regional stormwater public education and outreach for Puget Sound and western Washington	4	\$617,166	\$617,166
Regional/statewide spills hotline	1	\$114,628	\$114,628
Low impact development (LID) manual for eastern Washington and update the eastern Washington stormwater manual	1	\$300,000	\$300,000
Cost analysis for western Washington LID requirements and best management practices	1	\$196,228	\$196,228
Develop southwest Washington (Lower Columbia) monitoring program	1	\$189,740	\$189,740
Illicit discharge and detection elimination (IDDE) manual and training for local governments	1	\$203,668	\$203,668
NPDES collaboration and cooperative efforts	2	\$412,076	\$412,076
<b>TOTAL</b>	<b>12</b>	<b><u>\$2,199,475</u></b>	<b><u>\$2,199,475</u></b>

The table below shows the funding distribution by Ecology region.

Funding by Region	Funded	Grant Amount Requested	Grant Amount Offered
CRO	0	\$0	\$0
ERO	1	\$300,000	\$300,000
NWRO	7	\$1,150,513	\$1,150,513
SWRO	4	\$748,962	\$748,962
<b>Total</b>	<b><u>12</u></b>	<b><u>\$2,199,475</u></b>	<b><u>\$2,199,475</u></b>



## Final Offer and Applicant List

Rank	Application Number	Applicant Name	Project Title	Partners	Grant Amount Requested	Grant Amount Awarded
1	GG12003	Spokane County	Develop a Low Impact Development Guidance Manual for Eastern Washington	WSC, Asotin County, Cities of Kennewick, Moses Lake, Pasco, Pullman, Spokane, Spokane Valley	\$300,000	\$300,000
2	GG12015	Kitsap County	Rain Garden Handbook Update	WSU-Puyallup	\$137,723	\$137,723
3	GG12024	King County, on behalf of partners	Illicit Discharge Detection and Elimination Field Screening Manual and Training for Local Governments	WSC, Spokane County, Herrera Environmental Consultants	\$203,668	\$203,668
4	GG12002	Puyallup, City of	Cost Analysis for Western WA LID Requirements and Best Management Practices	WSC, Herrera Environmental Consultants	\$196,228	\$196,228
5	GG12020	King County, on behalf of partners	Standardized Framework for Puget Sound Stormwater System Mapping	WA DOT, ROADMAP Regional Coordination Group	\$165,969	\$165,969
6	GG12025	King County, on behalf of partners	Vehicle Leaks Education and Behavior Change Campaign	King, Kitsap, Pierce, Snohomish Counties, Cities of Bothell, Redmond, Seattle, PSP	\$290,088	\$290,088
7	GG12008	Clark County	Low Impact Development Outreach and Technical Assistance for Homeowners and Small Businesses	Cities of Battle Ground, Camas, La Center, Ridgefield, Vancouver, Washougal	\$116,294	\$116,294
8	GG12016	Kitsap County Public Works Surface and Stormwater Management Program	Regional Water Pollution Reporting Hotline Promotion	Cities of Bainbridge Island, Bremerton, Gig Harbor, Port Angeles, Port Orchard, Poulsbo	\$114,628	\$114,628
9	GG12005	Longview, City of	Habitat Status and Trends Monitoring for the Lower Columbia Region	Lower Columbia Fish Recovery Board, Pacific Northwest Aquatic Monitoring Partnership	\$189,740	\$189,740

Rank	Application Number	Applicant Name	Project Title	Partners	Grant Amount Requested	Grant Amount Awarded
10	GG12021	King County, on behalf of partners	Regional Decant Facility Plan	Cities of Auburn, Bellevue, Bothell, Kirkland, Mill Creek, Olympia, Redmond, Tumwater, Yelm, and King, Kitsap, Pierce, Snohomish, Thurston Counties, Evergreen State College, Ports of Olympia and Seattle, WA DOT	\$165,376	\$165,376
11	GG12001	Milton, City of	Regionally Streamlining Stormwater Permitting	Cities of Algona, Edgewood, Milton, Pacific	\$246,700	\$246,700
12	GG12018	Federal Way, City of	Storming the Sound with Salmon	Federal Way Public Schools, WA DFW	\$73,061	\$73,061
13	GG12004	Clark County	Vacuum Truck Purchase Proposal	Cities of Battle Ground, Camas, La Center, Ridgefield	\$300,000	\$0
14	GG12019	King County, on behalf of partners	Privately Owned Flow Control Best Management Practices Program Effectiveness Study	Seattle Public Utilities, Kitsap County, Snohomish County, Pierce County, City of	\$169,186	\$0
15	GG12017	Kitsap County Public Works	Expansion of Kitsap Green Sweep Program	Cities of Port Orchard, Poulsbo	\$299,027	\$0
16	GG12011	Spokane County	Spokane County Regional Multimedia Outreach Program	Cities of Spokane, Spokane Valley	\$170,000	\$0
17	GG12014	Fife, City of	Shared Vector Truck for Fife and Milton	City of Milton	\$300,000	\$0
18	GG12006	Walla Walla County	Watershed Steward Program	City of Walla Walla, Walla Walla Community College	\$33,000	\$0
19	GG12012	Pierce County	GSI (Green Stormwater Infrastructure) Sizing Tool for Western WA	Herrera Environmental Consultants, MGS Engineering Consultants, WSU-Puyallup	\$285,000	\$0
20	GG12007	Asotin County	Asotin County Regional Stormwater Program Cooperative Equipment Purchase	Cities of Asotin, Clarkston	\$102,560	\$0
21	GG12010	Bellingham, City of	Low Phosphorus Impact Development Demonstration and Interpretive Exhibit	Lake Whatcom Education Team, WWU	\$55,649	\$0
22	GG12009	Mukilteo, City of	Purchase of Vector Truck	Cities of Gold Bar, Mill Creek, Sultan	\$300,000	\$0

Rank	Application Number	Applicant Name	Project Title	Partners	Grant Amount Requested	Grant Amount Awarded
23	GG12013	Pierce County	Pierce County Surface Water Management Hazardous Waste and Toxics Management Technical Assistance		\$212,140	\$0
24	GG12022	Skagit County	Skagit County Regional Decant Facility	Cities of Mount Vernon, Anacortes, Burlington, WA DOT	\$155,338	\$0
25	GG12023	Walla Walla, City of	IDDE Investigation Equipment Purchase	Walla Walla County	\$22,200	\$0
					<u>\$4,603,575</u>	<u>\$2,199,474</u>



## Project Summaries

Rank	Application number	Applicant Name	Partners	Project Title
1	GG12003	Spokane County	WSC, Asotin County, Cities of Kennewick, Moses Lake, Pasco, Pullman, Spokane, Spokane Valley	Develop a Low Impact Development Guidance Manual for Eastern Washington
<p>This project is for the development of a Manual to promote water quality improvements in surface and ground water by providing Low Impact Development (LID) guidance to planners, engineers, architects, landscape designers and contractors in Eastern Washington. The Manual will also promote LID in cities and counties in Eastern Washington that are subject to the terms and conditions of the Eastern Washington Phase II Municipal Stormwater Permit.</p>				
2	GG12015	Kitsap County	WSU-Puyallup	Rain Garden Handbook Update
<p>In partnership with WSU Puyallup and an advisory committee of local cities, counties, conservation districts, engineers and landscape professionals, Kitsap County and WSU propose to update the WSU Puyallup <i>Rain Garden Handbook for Western Washington Homeowner</i> (Handbook).</p>				
3	GG12024	King County, on behalf of partners	WSC, Spokane County, Herrera Environmental Consultants	Illicit Discharge Detection and Elimination Field Screening Manual and Training for Local Governments
<p>To support jurisdictions in Washington in their efforts to comply with the IDDE field screening requirements of the Phase I and II Municipal Stormwater Permits, this project will involve the development of a manual that identifies the most effective IDDE field screening methodologies and describes their typical applications and key limitations with respect to varying conditions encountered across the state.</p>				
4	GG12002	Puyallup, City of	WSC, Herrera Environmental Consultants	Cost Analysis for Western WA LID Requirements and Best Management Practices
<p>This project will build on previously published cost analyses from Ecology that examined the implications of new stormwater management requirements for typical development projects stemming from the 1992 and 2001 stormwater manual updates, respectively.</p>				
5	GG12020	King County, on behalf of partners	WA DOT, ROADMAP Regional Coordination Group	Standardized Framework for Puget Sound Stormwater System Mapping
<p>The proposed project will establish the definitions of the mapping terminology of the essential elements of the region's stormwater systems. Having a regional standard for documenting and mapping the stormwater systems is needed to provide: 1) A single framework that would set a minimum and known level of data integrity and compatibility; 2) simplify the documentation, mapping and management of the systems; 3) raise the functional understanding of the systems; and 4) improve the communication and coordination of stormwater system mapping throughout the region. King County, with the assistance of a consultant, will lead this effort with a team of Puget Sound jurisdictions organizing through an existing regional coordination group.</p>				

Rank	Application number	Applicant Name	Partners	Project Title
6	GG12025	King County, on behalf of partners	King, Kitsap, Pierce, Snohomish Counties, Cities of Bothell, Redmond, Seattle, PSP	Vehicle Leaks Education and Behavior change Campaign
<p>This project is the next stage of the strategic plan for the Puget Sound Starts Here campaign, shared by STORM and the Puget Sound Partnership (PSP). STORM has targeted fluid leaks from vehicles as a problem that can be addressed through behavior workshops and a radio campaign designed by high school students.</p>				
7	GG12008	Clark County	Cities of Battle Ground, Camas, La Center, Ridgefield, Vancouver, Washougal	Low Impact Development Outreach and Technical Assistance for Homeowners and Small Businesses
<p>This project continues the coalition's mission of coordinated public outreach by creating a shared outreach campaign in the areas of low impact development (LID) practices and illicit discharge detection/elimination, primarily targeting homeowners and small businesses. Clark County, in collaboration with the Stormwater Partners of SW Washington, proposes to increase awareness and encourage adoption of LID practices by homeowners and professional audiences through technical assistance visits, workshops, and a self-guided LID tour.</p>				
8	GG12016	Kitsap County Public Works Surface and Stormwater Management Program	Cities of Bainbridge Island, Bremerton, Gig Harbor, Port Angeles, Port Orchard, Poulsbo	Regional Water Pollution Reporting Hotline Promotion
<p>This project is to support increased promotion of the regional Water Pollution Reporting Hotline. The grant will support research, message development, advertising strategy testing, and evaluation. This will result in recommended strategies that can be used by jurisdictions that do not use our hotline number, including the partnering cities of Gig Harbor and Port Angeles, as well as other permittees across the State.</p>				
9	GG12005	Longview, City of	Lower Columbia Fish Recovery Board, Pacific Northwest Aquatic Monitoring Partnership	Habitat Status and Trends Monitoring for the Lower Columbia Region
<p>This project will combine the ongoing efforts by municipal stormwater managers in Southwest Washington with those led by the Pacific Northwest Aquatic Monitoring Partnership (PNAMP) to develop an integrated status and trends monitoring (ISTM) design for the Lower Columbia region that builds on existing programs in order to provide necessary surface water, aquatic habitat, and watershed health information to scientists and decision makers.</p>				

Rank	Application number	Applicant Name	Partners	Project Title
10	GG12021	King County, on behalf of partners	Cities of Auburn, Bellevue, Bothell, Kirkland, Mill Creek, Olympia, Redmond, Tumwater, Yelm, and King, Kitsap, Pierce, Snohomish, Thurston Counties, Evergreen State College, Ports of Olympia and Seattle, WA DOT	Regional Decant Facility Plan
<p>This project will work towards the reduction of costs (and carbon emissions) associated with municipal stormwater system cleaning programs in the counties of Snohomish, King, Pierce, and Thurston while increasing their efficiency so that more stormwater management system cleaning can be done with existing levels of equipment and personnel. This will be accomplished by identifying existing decant facilities in the region, negotiating terms under which these facilities might be shared with other jurisdictions for both routine and emergency loads, and developing a strategic plan for the prioritized placement of additional facilities of varying sizes and types within the region.</p>				
11	GG12001	Milton, City of	Cities of Algona, Edgewood, Milton, Pacific	Regionally Streamlining Stormwater Permitting
<p>This project is to collaborate on development of a user-friendly system for consistent reporting practices and adherence to the Western Washington Phase II Municipal Stormwater Permit. The goal is to develop a system that is not reactionary, but rather proactive in managing stormwater within each city. The cities will utilize the expertise of Skillings Connolly (consultant) to develop a system that will be implemented by all four cities to efficiently detail and track data relevant to their respective annual reports. This system will provide consistent guidance and reminders for city staff. By sharing resources, each city will now have the resources to exceed the minimum permit requirements and improve their respective programs, resulting in improved regional water quality.</p>				
12	GG12018	Federal Way, City of	Federal Way Public Schools, WA DFW	Storming the Sound with Salmon
<p>This project is to develop a program and inter-governmental relationship that will allow jurisdictions to introduce stormwater education directly into the public school's science curriculum, assess how the information is being received by the students and create public involvement opportunities. The program will be designed to be highly cost effective and easily implemented by smaller jurisdictions.</p>				
13	GG12004	Clark County	Cities of Battle Ground, Camas, La Center, Ridgefield	Vacuum Truck Purchase Proposal
<p>This project is to equip Clark County with a new vacuum truck to better maintain stormwater system appurtenances. The single existing truck is unable to keep up with necessary cleaning of more than 10,502 inlets, 7,407 manholes, 1,580 drywells, 187 vaults, 209 sediment traps and 40,000+ storm pipe segments countywide. More than \$25,000.00 has been spent annually to rent a backup vacuum truck during peak periods, but maintenance of stormwater facilities lags behind what the county considers optimal to protect water quality. Significant regional benefit will be realized by sharing the new vehicle through an established equipment-sharing cooperative (the Pacific Northwest Grounds Equipment Maintenance (GEM) Cooperative). Offering smaller agencies access to this equipment and increasing the frequency of stormwater-facility maintenance will better protect regional watersheds throughout all of Clark County.</p>				

Rank	Application number	Applicant Name	Partners	Project Title
14	GG12019	King County, on behalf of partners	Seattle Public Utilities, Kitsap County, Snohomish County, Pierce County, City of	Privately Owned Flow Control Best Management Practices Program Effectiveness Study
<p>This project is to evaluate the King County FCBMP program from a regulatory and operations standpoint to determine deficiencies; recommend and implement corrections to improve the program; publish our results; and share the knowledge gained with Phase I and II Municipal Stormwater permittees. This project will evaluate the administrative effectiveness of King County's FCBMP program for requiring and ensuring the maintenance of Low Impact Development (LID) BMPs on new development and redevelopment to mitigate the stormwater runoff impacts of new and replaced impervious surface.</p>				
15	GG12017	Kitsap County Public Works	Cities of Port Orchard, Poulsbo	Expansion of Kitsap Green Sweep Program
<p>This project is to purchase a regenerative air street sweeper. The sweeper will be used on County roads as part of the County's Green Sweep Program. Additionally, a regenerative air sweeper will be available for use within the city limits of Poulsbo and Port Orchard under interlocal agreements between Kitsap County and each city. The County will conduct an analysis of city streets that have the greatest potential to impact water quality to be the basis for the sweeping routes with city limits.</p>				
16	GG12011	Spokane County	Cities of Spokane, Spokane Valley	Spokane County Regional Multimedia Outreach Program
<p>This project is to develop and launch a similar radio and television campaign that provides a common theme for stormwater awareness and behavior change within the greater-Spokane area. The elements of this proposal directly support municipal stormwater permit programs for the three subject municipalities, and will broaden the reach of stormwater messages to new audiences through forms of media that have not yet been implemented in this region.</p>				
17	GG12014	Fife, City of	City of Milton	Shared Vactor Truck for Fife and Milton
<p>This project is for the purchase of a shared Vactor Truck. The City of Fife has been identified as the lead for this grant proposal and for administration of the shared vactor. Fife will be responsible for the maintenance of the vactor truck and for disposal of all waste</p>				
18	GG12006	Walla Walla County	City of Walla Walla, Walla Walla Community College	Watershed Steward Program
<p>This project proposes to develop a Watershed Stewards program. Watershed Stewards will result in improved watershed health by empowering a body of educated volunteers to engage in water quality improvement projects and disseminate information throughout the community.</p>				
19	GG12012	Pierce County	Herrera Environmental Consultants, MGS Engineering Consultants, WSU-Puyallup	GSI (Green Stormwater Infrastructure) Sizing Tool for Western WA
<p>The main objective of the proposed project is to increase the utility and flexibility of a regional simplified sizing tool for LID stormwater BMP design in western Washington. This tool allows sizing and design of BMPs as a function of site mean annual precipitation, site soils, and contributing impervious surface area.</p>				

Rank	Application number	Applicant Name	Partners	Project Title
20	GG12007	Asotin County	Cities of Asotin, Clarkston	Asotin County Regional Stormwater Program Cooperative Equipment Purchase
<p>The purpose of this project is to improve water quality for the Asotin County Region by purchasing equipment that will provide data for more accurate stormwater mapping and illicit discharge detection in accordance with the Phase II Permit requirements. Grant funds will be used to purchase a P350 Flexitrax Tractor Camera, or camera of similar quality (Tractor Camera) with a pipe locator system that will improve the accuracy of mapping the MS4 system.</p>				
21	GG12010	Bellingham, City of	Lake Whatcom Education Team, WWU	Low Phosphorus Impact Development Demonstration and Interpretive Exhibit
<p>The project would create an interactive and comprehensive outreach and education exhibit targeting nutrient pollution in stormwater runoff, to be displayed in public areas adjacent to (or public events regarding) water bodies impacted by excess nutrient loading. The project would specifically focus on the impacts of phosphorus discharges both into stormwater systems and directly into receiving waters.</p>				
22	GG12009	Mukilteo, City of	Cities of Gold Bar, Mill Creek, Sultan	Purchase of Vactor Truck
<p>This project is for the purchase of a vactor truck. The City currently rents a vactor truck and/or contracts with a vactor truck company for services. An interlocal agreement will be set up between the applicant and the partner municipalities.</p>				
23	GG12013	Pierce County	\$0.00	Pierce County Surface Water Management Hazardous Waste and Toxics Management Technical Assistance
<p>Pierce County proposes to develop a hazardous and toxic waste reduction training component to increase staffs expertise and enhance our existing program. This training component would include developing written training materials for stormwater inspectors and developing a BMP specifically for municipal operations on Pollution Prevention and Hazardous waste reduction.</p>				
24	GG12022	Skagit County	Cities of Mount Vernon, Anacortes, Burlington, WA DOT	Skagit County Regional Decant Facility
<p>Skagit County proposes to retrofit an existing building for use as a regional street waste decant and disposal facility. The building is located at the Skagit Transfer Station, which is easily accessible to municipalities and private businesses throughout Skagit County.</p>				
25	GG12023	Walla Walla, City of	Walla Walla County	IDDE Investigation Equipment Purchase
<p>The City of Walla Walla and Walla Walla County will work to further enhance their collaborative stormwater management efforts with the purchase of equipment and materials for the purpose of conducting illicit discharge tracing investigations pursuant to the respective NPDES Phase II Permit requirements of each agency.</p>				