



Call for Projects Stormwater Retrofit Program September 2011

ODOT Geo-Environmental
4040 Fairview Industrial Dr SE
Salem OR 97302



ODOT has committed \$8.4 million toward stand-alone stormwater retrofit projects from 2011 through 2014. These projects will be in urbanized areas within the Willamette Valley. Retrofit projects could include any of the following:

- Installing a new facility along a stretch of highway where no treatment currently exists;
- Upgrading an existing water quality facility that doesn't meet ODOT's standards for treatment;
- Upgrading an existing facility that isn't functioning effectively due to maintenance issues; or
- Removing and/or disconnecting impervious surface.

We encourage project nominators to think outside the box. Although a project that is required in order to achieve regulatory compliance would not be eligible for retrofit funding, expanding a project to provide treatment above and beyond regulatory requirements could be eligible. Government agencies and other non-ODOT entities are also encouraged to submit project nominations for projects that include treatment of ODOT runoff.

The deadline for submission of Stormwater Retrofit Project Nominations to the Region Selection Committees is November 30, 2011. Submit nomination forms electronically to: Nicole Peirce, Water Resources Specialist at nicole.m.peirce@odot.state.or.us.

Project screening and selection will focus on identifying projects that will have the greatest benefits to water quality and quantity relative to cost. Projects nominated for this program that are currently unfunded, underfunded, or that could use additional funding to expand treatment will be given preference. Some of the factors that will be considered in the prioritization process include the following:

1. Is the receiving waterway on Oregon Department of Environmental Quality's list of water quality limited streams (DEQ 303(d))? <http://www.deq.state.or.us/wq/assessment/assessment.htm>
2. Does the receiving waterway contain threatened or endangered aquatic species? <http://www.streamnet.org/index.html>
3. Is the highway a high average daily traffic (ADT - greater than 100,000) or medium ADT (30,000 to 100,000) road? http://www.oregon.gov/ODOT/TD/TDATA/tsm/docs/2009_TVT.pdf
4. Is there an opportunity to partner with a local agency or other entity on the project?
5. Would the project require acquisition of additional right-of-way?
6. Has any preparatory work been done on the project (e.g. scoping, preliminary design)?

The stormwater retrofit project selection process involves four steps.

1. Project proponents (including local agencies) submit nomination forms (attached)

2. Region selection committee reviews project proposals and identifies ranked project list to send to steering committee
3. Steering committee reviews projects, identifies projects for immediate implementation as well as a discretionary list of projects that each region may choose to fund based on their priorities, and evaluates potential grant funding opportunities
4. Region selection committee decides which of the discretionary projects to fund and reports back to steering committee

All proposed projects including local agency retrofit projects will be required to follow ODOT design standards unless otherwise agreed upon. The table below is from Stormwater Management Program Technical Bulletin GE09-02(B), Attachment 1: Water Quality Guidance, and should be used to determine the appropriate treatment techniques to meet water quality standards.

Treatment Mechanism - BMP Matrix		Best Management Practice																
		Pre-treatment		Infiltration					Filtration				Pool-Ponds			Space-constrained or Urban Application		
		Oil Control Structures * or ***	Sediment Control * or ***	Infiltration pond **	Bioretention pond *	Bioslope *	Porous Pavement (not stand-alone) **	Biofiltration Swale (soil amended) *	Filter Strip (soil amended) *	Biofiltration Swale (no soil amendment) *	Filter Strip (no soil amendment) *	Constructed Wetlands **	Extended Detention Dry Pond *	Wet Ponds **	Wet Vaults **	Media Filters (non-proprietary) **	Proprietary Separation ***	Proprietary Filtration ***
Treatment Mechanism	Hydrologic Attenuation			■	■	■	■	□	□	□	□	□	■	□				
	Density Separation (Sedimentation or Flotation)	■	■	□	□	□		□	□	□	□	■	■	■	■		■	
	Sorption	□		□	■	■		■	■	□	□	■	□	□		□	□	■
	Filtration	□	□	■	■	■		■	■	■	■	□	□	□		■	□	■
	Uptake/Storage ⁽¹⁾			□	■	□		□	□	□	□	■	□	□				
	Microbial Transformation ⁽¹⁾			□	■	□		□	□	□	□	■	□	□		□		□
Target Pollutant	Sediment/Particulate (suspended solids)	○	●	●	●	●	○	●	●	●	●	●	●	●	○	●	●	●
	Nutrients			●	●	●	○	○	○	○	○	●	○	○		-		
	Oil and Grease	●	○	○	○	○	○	○	○	○	○	○	○	○	○	○	●	○
	Polycyclic Aromatic Hydrocarbons (PAH)			●	●	●	○	○	○	○	○	●	○	○		○		
	Metals (particulate)	○	○	●	●	●	○	●	●	●	●	●	●	●	○	●	●	●
	Metals (dissolved)			●	●	●	-	●	●	○	○	●	○	○		○		●

- = Primary treatment mechanism for BMP
- = Secondary treatment mechanism for BMP; dependent on plant species/microbes present
- = High capability to remove target pollutant
- = Moderate capability to remove target pollutant
- = Low capability to remove target pollutant
- ⁽¹⁾ = Dependent on types of plant species or microbes (in soil or water column) present
- * = acceptable bmp with design guidance provided in the chapter appendices
- ** = acceptable bmp and design guidance under development or submit a Hydraulic Design Deviation with supporting documentation
- *** = acceptable bmp is added to Qualified Product List (QPL). BMP added to conditional product list requires construction project manager approval. Target pollutant rating above applicable for proprietary structures added to the QPL list for "Stormwater Control Facilities". Assume "low" capability to remove target pollutant for proprietary structures added to the Conditional list for "Stormwater Control Facilities".

The Steering Committee is made up of the following:

- John Raasch, Interim Natural Resources Unit Manager (503) 986-3370
- Paul Wirfs, Engineering & Asset Management Unit Manager (503) 986-3526
- William Fletcher, Water Resources Program Coordinator (503) 986-3509
- Alvin Shoblom, Senior Hydraulics Engineer (503) 986-3365
- Jeff Moore, Clean Water Program Technician (503) 731-8289
- Nicole Peirce, Water Resources Specialist (503) 986-3766
- Ted Miller, Region 1 Maintenance/Operations Manager (503) 731-8559
- Sandra Prock, Senior Project Leader/Region 1 representative (503) 731-3001
- Jerry Wolcott, Project Leader/Region 2 representative (541) 757-4164

If you have a project that you think might qualify for this program, please take the time to fill out the Project Nomination Form.

Thank you,

The Stormwater Retrofit Program Steering Committee