

Stormwater Project Benefits and Examples Table

Benefit Category	Benefit	Example(s)
<p>Water Quality <i>while contributing to compliance with applicable permit and/or TMDL requirements</i></p>	Increased filtration and/or treatment of runoff	<ul style="list-style-type: none"> • Bioretention facility, rain garden, green roof, bioswale
	Trash capture	<ul style="list-style-type: none"> • Program to organize community members to collect trash from streets • Low impact development project with trash capture system
	Nonpoint source pollution control	<ul style="list-style-type: none"> • Sediment reduction project at timber production site • Bioswale, rain garden, bioretention facility
	Reestablished natural water drainage and treatment	<ul style="list-style-type: none"> • Conversion of pervious surface to impervious surface • Creek restoration project to naturally filter storm water runoff
<p>Water Supply <i>through groundwater management and/or runoff capture and use</i></p>	Water conservation	<ul style="list-style-type: none"> • Rainwater collection system • Native landscaping incorporated into projects to reduce potable water needs
	Water supply reliability	<ul style="list-style-type: none"> • Storm water infiltration project
	Conjunctive use	<ul style="list-style-type: none"> • Program or project that facilitates the use of groundwater infiltration of surface storm water into a drinking water supply aquifer
<p>Flood Management</p>	Reduced sanitary sewer overflows	<ul style="list-style-type: none"> • LID style basin to mitigate volumetric overflow • LID retrofit incorporated with illegal storm water connection removal
	Decreased flood risk by reducing runoff rate and/or volume	<ul style="list-style-type: none"> • Rainwater collection system • Bioretention facility, rain garden, bioswale • Conversion of pervious surface to impervious surface

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	Increased sea level rise resiliency	<ul style="list-style-type: none"> • Tide gate installation or improvement that prevents backwatering in the storm water system • Project that increases storm water storage
Environmental	Reduced energy use, greenhouse gas emissions, or provides a carbon sink	<ul style="list-style-type: none"> • Creation of wetland with quantifiable greenhouse gas emission reduction
	Reestablishment of the natural hydrograph	<ul style="list-style-type: none"> • Conversion of pervious surface to impervious surface • Creek restoration project that removes riprap or concrete and converts river bed back to native material
	Water temperature improvement	<ul style="list-style-type: none"> • Deep media bioretention facilities that shield water from sunlight • Riparian forest restoration for infiltration of stormwater
	Environmental and habitat protection and improvement, including: - wetland enhancement/creation; - riparian enhancement; and/or - instream flow improvement	<ul style="list-style-type: none"> • Storm water treatment wetland • Channel enhancement project to reduce storm water turbidity • Replacement of undersized culvert that causes flooding and debris accumulation • Floodplain enhancement project to infiltrate storm water
	Increased urban green space	<ul style="list-style-type: none"> • Green streets project
Community	Employment opportunities provided	<ul style="list-style-type: none"> • LID project at public school • LID project with signage
	Public education	
	Community involvement	<ul style="list-style-type: none"> • Community built demonstration LID project
	Enhance and/or create recreational and public use areas	<ul style="list-style-type: none"> • Creation or enhancement of trail drainages to filter storm water runoff or wildlife areas • Installation bioswale or rain garden at existing public use area