

## Green Streets Policies in the National Capital Region

Jurisdiction	Green Streets Policy?	Summary of policy
Washington D.C.	Implemented	<a href="#">The Green Streets program</a> is part of several programs <a href="#">including the LID Action Plan for SW management, Great Streets, and Sustainable DC Plan</a> . The Complete Streets Policy includes Green Streets principles such as <a href="#">creating more green space in transportation, improving pedestrian environment, and environmental enhancement</a> .

Maryland
<p>State <a href="#">Stormwater Management Requirements</a> for Roads and Highways:</p> <p>1. New</p> <p>At a minimum, runoff from 1 inch of rainfall must be treated with environmental site design.</p> <p>2. Reconstructed.</p> <p>Environmental site design must be implemented to the <i>maximum extent practicable</i> to provide water quality treatment for the first 1 inch of rainfall for a minimum of 50 percent of the existing impervious area within the limit of disturbance.</p> <p><b>Additional Information</b></p> <ul style="list-style-type: none"> <li>The <a href="#">Stormwater Management Act of 2007</a> defines ESD as "...using small-scale stormwater management practices, nonstructural techniques, and better site planning to mimic natural hydrologic runoff characteristics and minimize the impact of land development on water resources."</li> <li>Maryland State Highways Administration is a leading partner in the <a href="#">Green Highways Partnership</a>. MD SHA has become involved in a number of demonstration projects promoting innovative stormwater management practices, including low impact development strategies and water quality banking.</li> </ul>

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Bowie, MD	Environmental Infrastructure Action Plan / Implemented	Plans and objectives include: <a href="#">Increased tree canopy coverage</a> , and <a href="#">more trees planted on streets (150 annually)</a> , <a href="#">LID stormwater management</a> including bio-retention cells instead of retention ponds in their <a href="#">Environmental Infrastructure Action Plan</a>
Charles County, MD	Not Implemented	<a href="#">Stormwater Management Retrofit</a> : Dry swales, Bio-retention systems, and shallow wetlands. <a href="#">Street Tree Planting</a> . Comprehensive plan includes state-required <a href="#">Green Infrastructure</a> elements. Developed <a href="#">LID/ESD Design Manual</a> .
College Park,	Not Implemented	No clear overarching local policy. Some work related to the

MD		<a href="#">Green Infrastructure Master Plan Coordination and Implementation for the Anacostia River Watershed</a> , which applies to all jurisdictions in the watershed. Energy-efficient street lights are among the <a href="#">Green Initiatives</a> .
Frederick County, MD	Implemented	County has a <a href="#">Green Infrastructure Plan</a> , which includes items such as revitalizing natural resource gaps, supporting development patterns, and land use planning to meet water quality standards by EPA TMDL. The plan includes <a href="#">Storm Water Action Items</a> , with a goal to 'Incorporate the use of non-structural stormwater management, including vegetated swales and bio-retention.' The <a href="#">Sustainable Action Plan</a> includes energy efficient lighting.
City of Frederick	Not Implemented	The 2009 <a href="#">Sustainable Practice Action Plan</a> calls for exploring an LID stormwater management policy employing bioretention facilities, filter/buffer strips, grassed swales, and rain barrels. This action plan also calls for implementation of Energy Efficient lighting. Later, <a href="#">ESD Treatment Practices</a> were approved in 2010 to follow environmental site design to the maximum extent practical.
City of Gaithersburg	Implemented	<a href="#">Gaithersburg Master Plan Process</a> contains several green street policies including: Green Infrastructure, green stormwater management, street trees, and increased street light efficiency. The city's ESD <a href="#">stormwater policies</a> include: bio-retention swales and curb inlets, enlarged sidewalk tree boxes, and green roofs and facades.
Montgomery County, MD	Implemented	<a href="#">Very intensive LID program including</a> : Bioretention, bioswales, curb extensions, tree boxes, rain gardens, and pervious sidewalks. Numerous <a href="#">implemented projects</a> throughout the county.
Prince George's County, MD	Implemented	<a href="#">Countywide Green Infrastructure Functional Master Plan</a> supports street planters, curb extensions, tree box filters, bioswales and bioretention.
City of Rockville, MD	Not Implemented	<a href="#">Implemented the Street Tree Master Plan.</a>
Takoma Park, MD	Not Implemented	At least <a href="#">two Green Street projects</a> in progress.

## Virginia

### [State Requirements for Stormwater Management for Roads and Highways:](#)

1. New

Technology approach: Determine the required best management practice to treat the entire post construction impervious area within the right of way plus permanent easement area per outfall.

2. Reconstructed.

Performance approach: Design the best management practice for a water quality volume based on net increase in impervious area plus 10% of pre-construction impervious area. The goal is to determine the best management practice that would remove pounds of phosphorus to 10% less than existing loading

#### **Additional Information**

Currently DCR has no published credits for LID practices in meeting water quality requirements. However, such practices are being requested as a means to improve water quality. Language in the VDOT Subdivision Street Acceptance Policies is encouraging LID practices, even to the allowance of such inside VDOT right of way. For those items inside the right of way, maintenance provisions are agreed upon either through VDOT or the Locality.

VDOT holds an MS4 permit for facilities located in 13 urbanized areas in Virginia. VDOT's [Watershed Implementation Plan](#) includes a provision to encourage LID where appropriate.

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City of Alexandria, VA	In Progress	Alexandria has an <a href="#">Eco-City Charter</a> and an <a href="#">Environmental Action Plan</a> that incorporate green street principles. Green streets concepts are included in <a href="#">City Master Plan and associated small area plans</a> ; and <a href="#">Transportation Master Plan</a> . Implemented several green infrastructure and Low Impact Development projects, including a <a href="#">pervious trail</a> .
Arlington County, VA	Implemented	Large <a href="#">Green Streets project</a> . Several green stormwater management projects in progress and implemented. See <a href="#">FAQ page</a> for green streets. Also has an <a href="#">efficient streetlight</a> program.
City of Fairfax, VA	Implemented	The city has several <a href="#">green infrastructure projects</a> . The <a href="#">Watershed Management Plan</a> includes describes the duties of the Green Infrastructure Planning sub-department. Department of Environmental Services implements <a href="#">LID projects</a> .
Loudoun County, VA	Implemented	A <a href="#">Green Infrastructure Strategic Plan</a> includes green stormwater management. <a href="#">Stormwater Management Plan</a> , details BMPs.
City of Manassas, VA		Urban tree canopy plan and efficient streetlight are part of <a href="#">sustainability plan</a> . Green infrastructure included in the Old Town <a href="#">street plan</a> .
Fairfax County, VA	In Progress	<a href="#">Comprehensive Plan</a> contains several ecological and water resources objectives and policies to support stormwater treatment through Low Impact Development. Environmentally-sensitive streetscaping concepts have been implemented in several <a href="#">neighborhood stormwater improvement projects</a> and incorporated in design guidelines for Tysons Corner.

Prince William County, VA	Not Implemented	The County's <a href="#">stormwater management program</a> lists Low Impact Development among its methods.
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