

District of Columbia

2011 Milestones to Reduce Nitrogen & Phosphorus

Final Progress Assessment

June 2012



Introduction

During the 2009 Chesapeake Executive Council meeting, the mayor of the District of Columbia set short-term goals to reduce pollution to the Bay and dramatically accelerate the pace of restoration. A final assessment of progress follows.

Final Progress (hypothetical for mock-up purpose)

Pollution Control Practices Included in 2009-2011 Milestone Commitments

	2009-2011 Commitment	Achievement (7/1/08- 6/30/11)	% Achieved (7/1/08- 6/30/11)
Urban/Suburban:			
Downspout Connections (connections)	300	1,463	488%
Green Roofs* (square feet)	2,500,000	1,950,000	78%
Litter Trap Installation Demo Projects (pounds trash diverted)	6,800	10,200	150%
Rain Barrels (barrels)	250	1,463	585%
Rain Gardens (gardens)	100	138	138%
Retrofit Catch Basins for Trash Control (catch basins)	100	300	300%
Sanitary Sewer Replacement (miles)	1.5	0.57	38%
Storm Drain Marker Installation (markers/yr)	1,000	1,500	150%
Stream Restoration, 2.7 miles of Watts and Pope Branches (linear feet)	14,256	5,346	38%
Tree Canopy Expansion (percent increase)	5	**	67%
Tree Planting, 4150 trees (30 acres) per year	30	45	150%
Wastewater:			
Wastewater Nitrogen (N lbs reduced)	159,000	1,443,412	908%

* Unfortunately, the number for this 2 year milestone was miscalculated and this goal will not be met. Currently 1.95 million sq. ft. of green roof are approved for construction on 192 buildings through spring 2013. The goal is to install 2.5 million sq. ft. by 2017.

** DC's tree canopy expansion commitment was 5% in 25 years, therefore 0.5% in 2.5 years for this milestone. Commit: 0.5% or 21,500 trees; progress through 2011 is 14,430 trees

Pollution Control Practices D.C. Substituted for Original 2009-2011 Milestone Commitments (i.e. "Contingencies")

	Amount Completed
Wastewater Phosphorus (P lbs reduced)	22,896

Programmatic Controls in 2009-2011 Milestone Commitments

	Status
ENR – Award Contract for design by June 1, 2009	Completed
ENR – Award contract for construction by December 31, 2011	Completed
CSO reductions – completion of nine minimum control projects in May 2009	TBD
Create new tree box standards to allow for better tree growth	TBD
Develop lot-level residential stormwater detention/retention through RiverSmart Homes incentive program	TBD
Train federal facilities on new stormwater requirements	TBD
Implement a program to control discharges from District and federally owned facilities	TBD
Strengthen auto repair shop education campaign in Hickey Run (pilot)	Completed
Inspect all auto repair shops, laundromats and dry cleaners at least once every five years	Completed
Develop and implement a pet waste strategy	TBD
Mandate installation and use of pumpout stations at all District marinas	Completed
Complete a DPW street sweeping study and implement long-term enhanced street sweeping and fine particle removal	Completed
Implement and promote new stormwater regulations that require LID construction as a first option and mandate training for site managers	TBD
Implement an impervious area-based stormwater fee	Completed
Review and update zoning regulations to encourage green building	TBD
Determine the type of trash control devices that would be the most effective in retaining large debris and sediment in hot-spot areas identified by a trash survey	TBD
Incorporate LID into 24 percent of all District DOT projects	Completed

Progress Highlights

TBD

Shortfalls (Example based on hypothetical information listed on page 1)

DC fell short of original commitments for green roofs, sanitary sewer replacement, stream restoration and tree canopy expansion. However, they offset those shortfalls by exceeding original commitments for many pollution control practices. Shortfalls were also offset with new pollution control practices substituted for original commitments.