



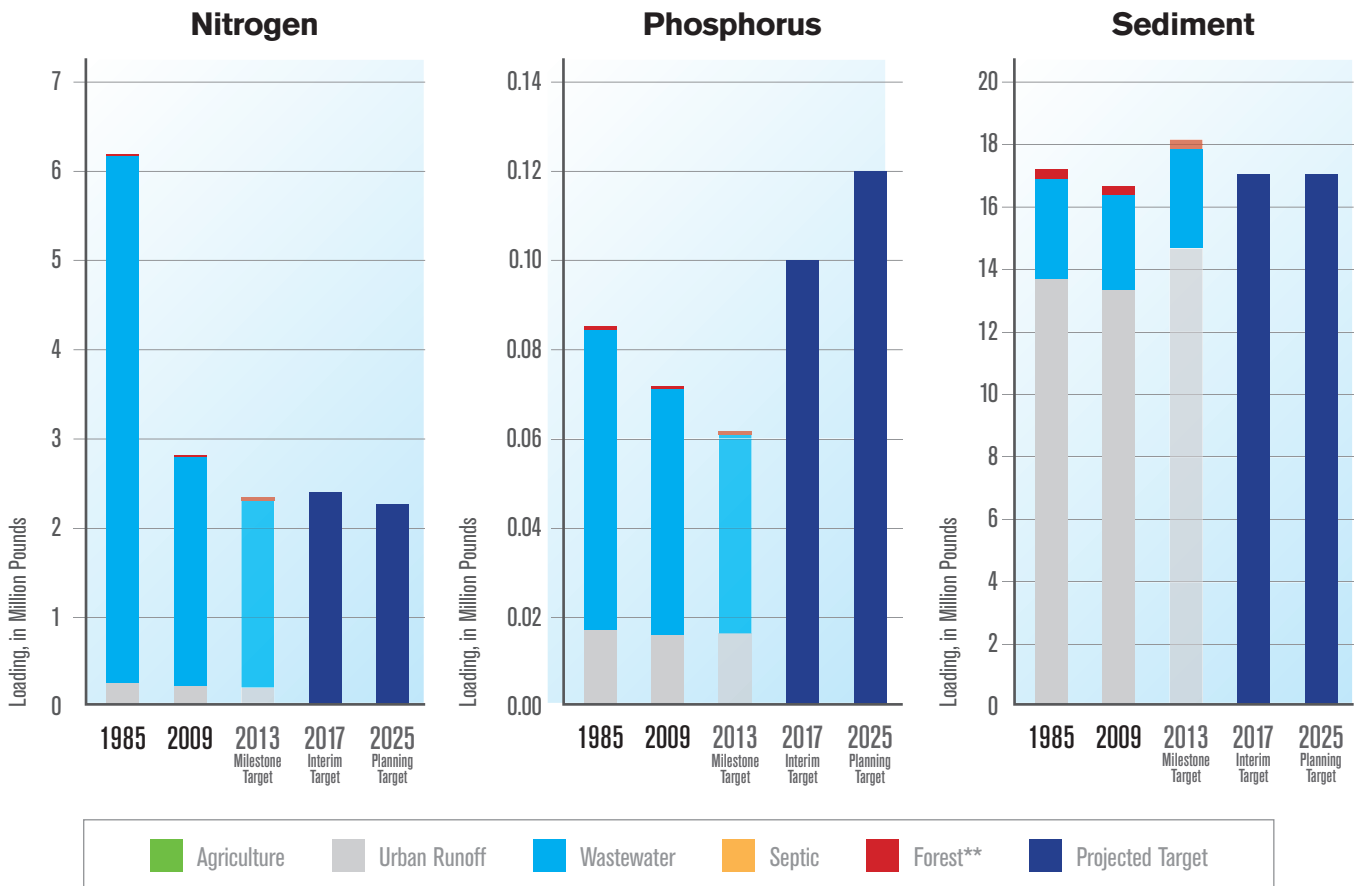
District of Columbia's 2012–2013 Milestone Commitments to Reduce Nitrogen, Phosphorus and Sediment



Overview

In 2008 the Chesapeake Executive Council charged the seven jurisdictions to develop a two-year milestone process for reducing their respective nitrogen, phosphorus and sediment contributions to the Chesapeake Bay and to track the pace of those reductions. Two-year milestones provide short-term objectives and have become part of the overall Total Maximum Daily Load (TMDL) accountability framework established in 2010 to assess progress on restoration goals. When fully implemented, the seven Watershed Implementation Plans (WIPs) will ensure that practices are in place by 2017 to reduce the load by 60 percent. By 2025, all practices necessary to meet the target loading levels will be in place. The two-year milestones allow jurisdictions the opportunity to adapt implementation strategies as outlined in their Watershed Implementation Plans as necessary to meet those goals and ultimately achieve applicable water quality standards and restore the Bay. **The District of Columbia's 2012–2013 milestone commitments are to reduce nitrogen by 394,069 pounds and phosphorus by 9,130 pounds by the end of 2013, compared to the 2009 baseline.**

District of Columbia's Pollutant Reduction Progress and Future Targets by Source Sector



** Forest includes other sources

Milestone Highlights:

The nitrogen chart above shows a dramatic decline in nitrogen between 1985 and 2009. This decrease is due to the hard work by DC Water in upgrading the Blue Plains Advanced Wastewater Treatment Plant. The District is below its allocated amount of phosphorus and the amount will continue to decline slightly over time; not increase as the above phosphorus graph illustrates. Sediment was added to the District's current load during the most recent updates to the Chesapeake Bay Program Partnerships Watershed model, which can be seen in the above graph. The District is an urban environment and is continuing to implement BMPs which will slowly decrease the amount of sediment entering the Chesapeake Bay Watershed.

Pollutant Reduction Controls, Practices and Actions in 2012-2013 Milestone Target Highlights

Pollutant Controls, Practices, and Actions	Progress through 2011	2013 Targets
Expand Urban Tree Canopy		
Plant 4,150 trees (30 acres) per year	14,740 trees planted 2009-2011	23,040 trees
Increase urban tree canopy coverage by 5 percent (from 35% to 40%, which translates to 8600 trees per year) in 25 years	57 % of 2011 goal obtained	31,940 trees
Low-Impact Development (LID) Practices		
RiverSmart Homes: Install 600 rain gardens	122 installed 2009-11	722 rain gardens
Install 1,500 rain barrels	975 Rain barrels installed 2009-11	2475 rain barrels
Plant 1,000 shade trees	Not previously reported, 531 trees in 2010	1000 trees
RiverSmart Schools: Retrofit 4 schools with LID practices	Not previously reported, previously worked with 11 schools since 2009, 45 in total	Retrofit 4 schools with LID practices
RiverSmart Washington demo project: retrofit 22 acres with LID [to Max extent practical]	Not a previous milestone, first time project	Retrofit 22 acres with LID [to Max extent practical]
Build Green Roofs: Install 140,000 sq ft of green roofs	1,300,000 sq feet	1,440,000 sq feet of green roofs
Retrofit 500,000 sq ft of DDOT impervious surfaces	Not previously tracked	500,000 sq ft of additional impervious surfaces retrofitted by DDOT
Habitat Restoration		
Restore 800 ft of Nash Run and 1,800 ft of Springhouse Run for a total of 2,600 linear feet of stream restoration	8,976 linear ft in 2009-11	11,576 linear feet of stream restoration
Install 4 first order stream restoration projects	Not previously reported	Will result in additional linear feet of stream restoration
Daylight 1,600 ft of stream in Broad Branch	Not a previous milestone, first time project	1,600 linear feet of stream daylighted
Restore 2 acres of wetland in Springhouse Run	Not a previous milestone	2 additional acres of wetland restoration

For the full details of District of Columbia's target implementation milestones, please see <http://stat.chesapeakebay.net/milestones2013DC>

2012 – 2013 Commitment Highlights

- Create citywide online stormwater tracking tool
- Inspect all Municipal Separate Storm Sewer System (MS4) outfalls once every five years
- Inspect all known automotive repair shops, dry cleaners, car washes, maintenance facilities, and local and federal facilities which generate large quantities of hazardous waste within the MS4 once every two years
- Perform follow-up inspections within the MS4 at all facility types for compliance with good housekeeping measures as outlined as areas for improvement in the facility's inspection report
- Distribute educational pollution prevention posters/flyers to automotive facilities and maintenance yards within the MS4 during inspections; and hold educational workshops.
- Respond and investigate all illicit discharge complaints and referrals within five days, and ensure compliance with all Water Pollution Control Act regulations
- Conduct 2 pollution prevention workshops for District municipal employees
- Implement a Stormwater Fee Discount program
- Strengthen pet waste program by installing 100 metal ('pick up') signs at parks and schools, and deliver 1,000 educational brochures to renters, homeowners, and school, community & outreach events

For the full details of District of Columbia's programmatic milestones, please see http://www.epa.gov/reg3wapd/pdf/pdf_chesbay/2yearmilestones/DC2012_13ProgrammaticMilestonesFinalMay2012.pdf