



Delaware's

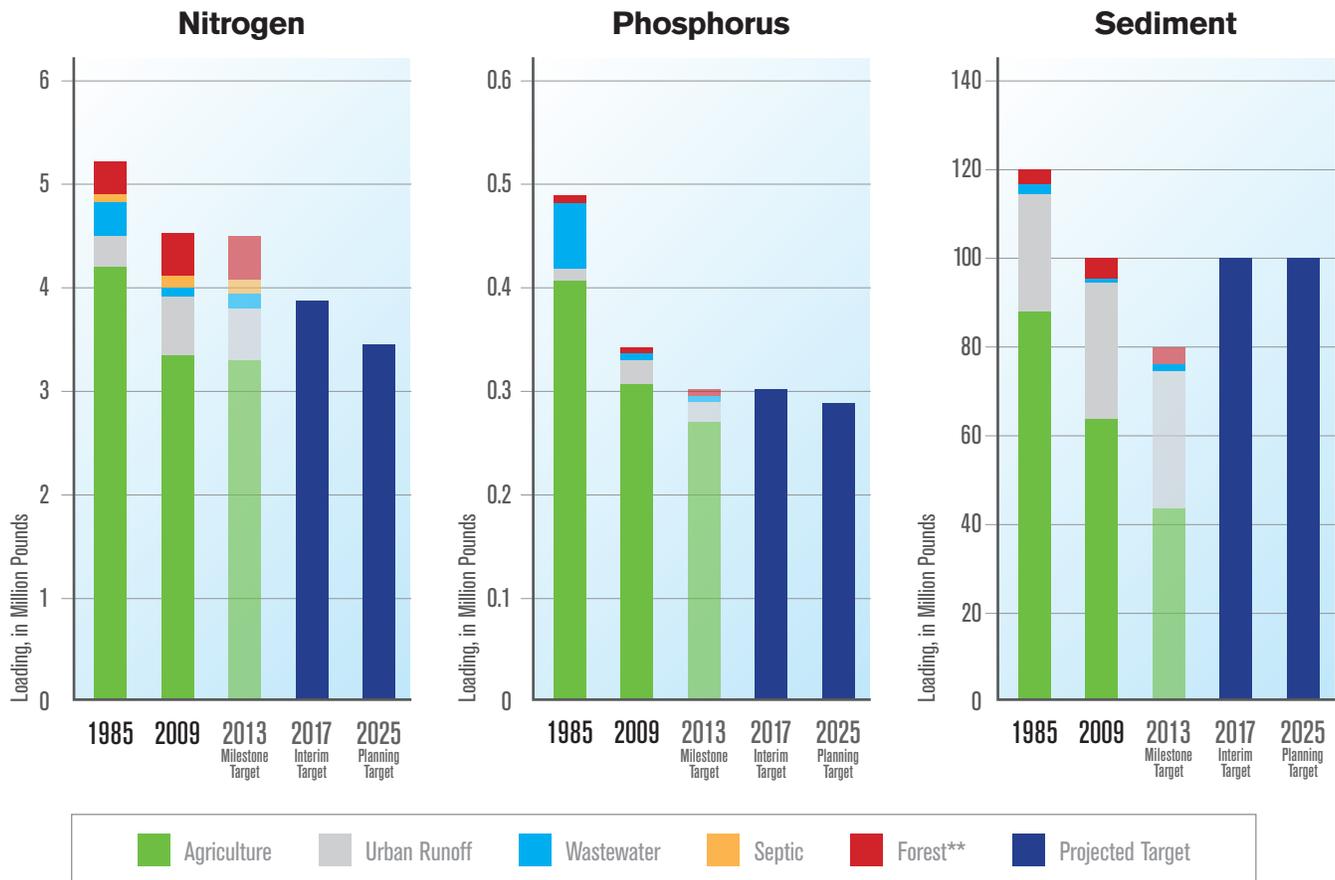
2012–2013 Milestone Commitments to Reduce Nitrogen, Phosphorus and Sediment



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. **Delaware's 2012-2013 milestone commitments reduce nitrogen by 48,149 pounds, phosphorus by 42,702 pounds, and sediment by 18,731,484 pounds by the end of 2013, compared to the 2009 baseline.**

Delaware's Pollutant Reduction Progress and Future Targets by Source Sector



** Forest includes other sources

Milestone Highlights:

Delaware's 2012-2013 Milestones continue to decrease pollutant loads so that the jurisdiction will be on track to achieve 60% of the reductions by 2017. These goals call for the increased implementation of numerous nonpoint source best management practices, especially in the agriculture sector (see below for a highlight of key numeric targets). Additionally though, the milestones assume that all of the wastewater treatment facilities will be operating at their permitted loads, so it appears the nitrogen loads may actually increase slightly. There are no plans however, for these facilities to discharge at those levels within the planned period and if they do, increases may be offset by reductions from other sectors.

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

Pollutant Controls, Practices, and Actions	Progress through 2011	2013 Targets
Agriculture		
Commodity Cover Crops	6,772 acres/yr	10,249 acres/yr
Cover Crops	41,289 acres/yr	26,560 acres/yr
Cropland Irrigation Management	0 acres	75,000 acres
Grass Buffers	743 acres	1,659 acres
Forest Buffers	2,226 acres	3,185 acres
Wetland Restoration	588 acres	1,145 acres
Urban Runoff		
Bioretention	35 acres	38 acres
Wet Ponds and Wetlands	5,750 acres	5,956 acres
Septic		
Septic Connections	1 system	477 systems
Wastewater + Combined Sewer Overflow		
Wastewater Facilities Meeting Water Quality Standards in Chesapeake Bay ¹ (Cumulative number and percentage of facilities)	0 / 0%	2 / 50%

For the full details of Delaware's target implementation milestones, please see <http://stat.chesapeakebay.net/milestones2013DE>

2012 – 2013 Commitment Highlights

- Promulgate revised and updated sediment and stormwater regulations: 2012
- Promulgate revised and updated on-site wastewater regulations: 2012
- Coordinate federal and state funding of the most effective conservation practices: 2012
- Lead efforts to correctly determine the quantity and nutrient content of Delmarva poultry litter: 2012
- Examine the best approach for a Certainty Program in Delaware: 2012
- Assess the use of "Decision Nutrient Management" for Delaware: 2012
- Establish baseline loadings and retrofit opportunities on federal lands: 2012
- Develop and implement a communications marketing plan: 2012
- Revise and renew NPDES permits for Invista and the towns of Bridgeville and Seaford: 2013
- Adopt statewide off-set regulations: December 2013
- Promulgate DDA's regulations allowing "spray on demand" disposal of treated wastewater: 2013
- Assess model credit for urban fertilizer phosphorus bans in neighboring states: 2013

For the full details of Delaware's programmatic milestones, please see <http://www.dnrec.delaware.gov/swc/wa/Pages/DE-WIP-Phase-II-Info.aspx>

¹ based on permits with effluent limits in effect that meet DO and SAV/clarity standards