

I. G. Two-Year Milestones Overview

Background and Overview: The two-year milestones are implementation commitments, which are part of the Chesapeake Bay Program restoration framework. Maryland and other Bay states are striving to meet the first set of milestones by the end of 2011. The next set of two-year milestones cover 2012-2013 (2013 Milestones). Maryland’s two-year milestones are key elements of the Governor’s BayStat accountability framework.

The Bay states have made implementation commitments in the past as part of the Chesapeake Bay Agreement’s Tributary Strategies for nutrient reductions. These have typically been 10-year implementation goals, which have lapsed without success. The shorter 2-year commitment period is designed to improve accountability.

The 2013 Milestones will address two areas of commitment: Implementation actions and program development actions. The first area of commitment addresses units of implementation, like ‘acres implemented.’ With assistance from the Chesapeake Bay Watershed Model, these actions will be translated into pounds of pollution reduced. The second area addresses the means for implementation (e.g., funding, authorities, enhancing existing programs, designing and establishing new programs, etc.).

Summary of Maryland’s key 2-Year Milestones for 2011:



	Practice	lbs Reduced	Cost
1.	Cover Crops	1.37 M	\$41.6 M
2.	Waste Water	740,000	\$80 M (BRF Funding)
3.	CREP - Private Natural Filters	242,874	\$9 M
4.	Blue Plains	190,000	\$23 M
5.	Public Land Natural Filters	125,192	\$6 M

NOTE: These figures are slightly dated. See Maryland BayStat web site for most current information.





Pollution Reduction Actions by End of 2011

Agriculture		Urban/Suburban	
Cover Crops	460,000 acres/year	Stormwater Runoff Management Retrofits	90,000 acres
Nutrient Management Plan Enforcement	100,000 acres	Required septic retrofits (inside Critical Area)	1,080 systems
Soil Conservation and Water Quality Plans	257,049 acres	Voluntary septic retrofits (non-Critical Area)	1,920 systems
Manure Transport	10,000 tons/year	Natural Filters - Private Land	
Heavy Use Poultry Area Concrete Pads	400 farms	Streamside Grass Buffers	7,000 acres
Livestock Waste Structures	145 structures	Streamside Forest Buffers	3,000 acres
Water Control Structures	200 structures	Wetland Restoration	700 acres
Dairy Manure Incorporation Technology	2,500 acres/year	Retire Highly Erodible Land	1,800 acres
Stream Protection with Fencing	3,000 acres	Natural Filters - Public Land	
Poultry Manure Incorporation Technology	2,500 acres/year	Streamside Grass Buffers	1,000 acres
Poultry Waste Structures	53 structures	Streamside Forest Buffers	2,100 acres
Stream Protection without Fencing	3,000 acres	Wetland Restoration	1,000 acres
Runoff Control Systems	75 systems	Retire Highly Erodible Land	2,000 acres
Wastewater		Air	
Wastewater Treatment Plants ENR	39,000 fewer lbs. P	Maryland Healthy Air Act	305,882 less N
	740,000 fewer lbs. N		
Blue Plains BNR Upgrade	190,000 fewer lbs. N		

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Additional Background and Information:

Maryland BayStat 2-Year Milestone Webpage:
<http://www.baystat.maryland.gov/milestones.html>

EPA Chesapeake Bay Program Summary of 2011 2-Year Milestones, watershed-wide and by state (large PDF file):
http://archive.chesapeakebay.net/pressrelease/EC_2009_allmilestones.pdf