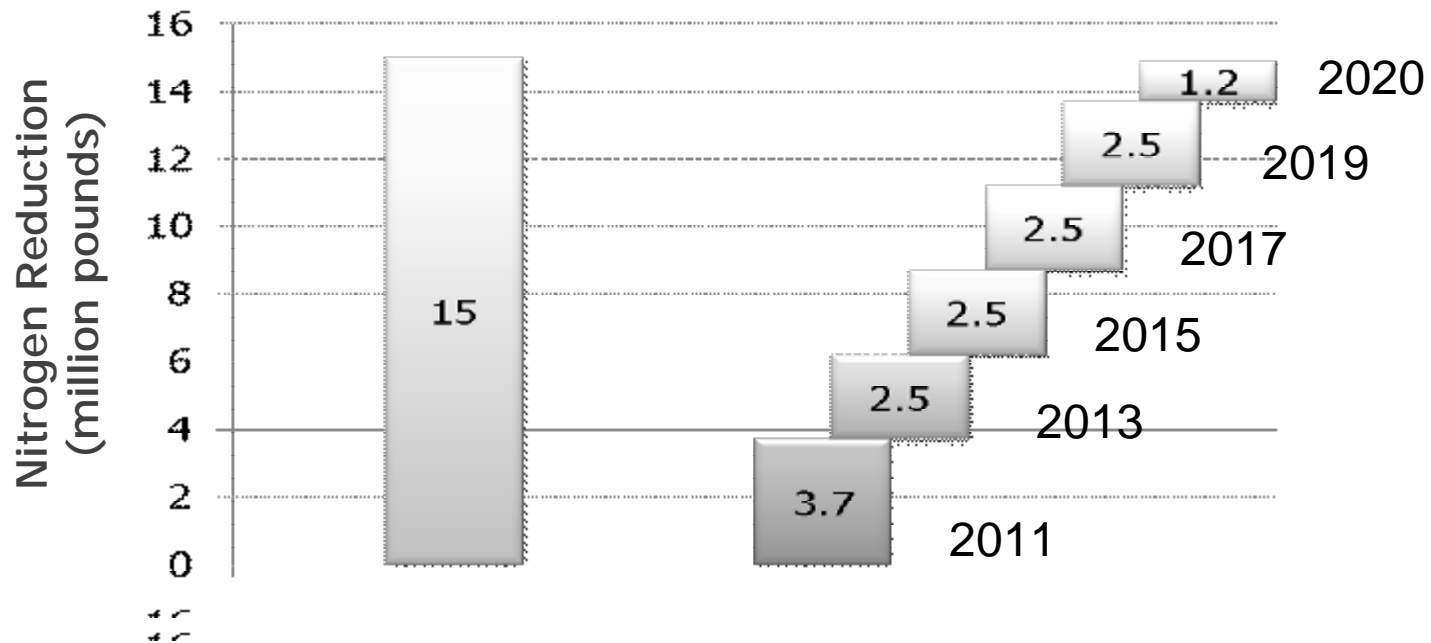




2-Year Milestone Guidance for WIP Local Teams

An Overview



Phase II WIP May Webinar
May 16, 2011



Background

- Two prior commitments for Bay Restoration were not fully achieved:
 - 1987: 40% nutrient reduction by 2000.
 - 2000: List of commitments including water quality restoration to be achieved by 2010.
- Decade-long commitments fall behind pace.
- In 2008 the Chesapeake Bay Program adopted 2-Year Milestones to ensure a steady pace of progress.

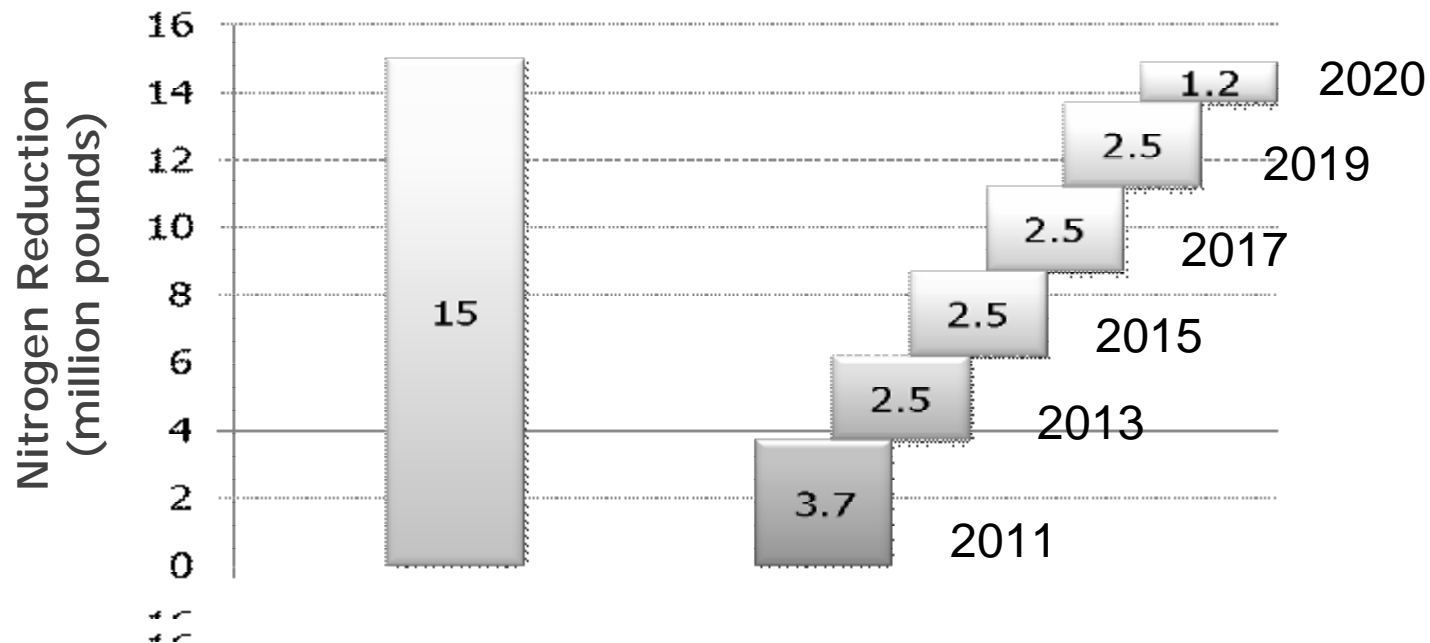


2-Year Milestones are part of the Federal “Accountability Framework”

- Clean Water Act: Bay TMDLs
- Watershed Implementation Plans
- 2-Year Implementation Milestones
- Tracking & Evaluating Progress
- Federal “Consequences”

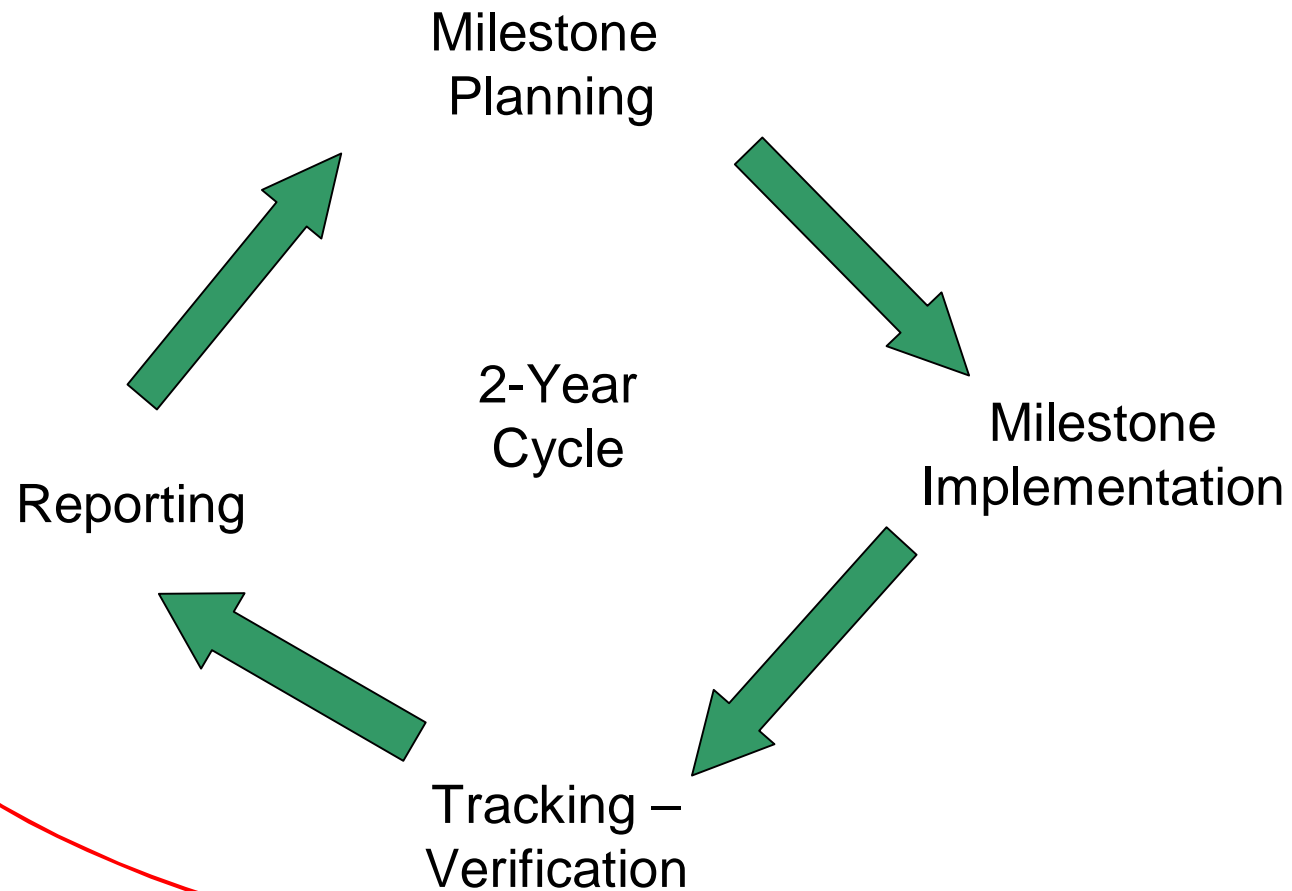
Background (Con't)

- First Set of Milestones Runs Through 2011
- Next Set of Milestones Covers 2012-2013
- Milestone Commitments Continue into Future



Note: These numbers may change after Bay watershed model is refined in early summer 2011

Milestone Cycle



Update Analytical Tools

Background (Con't)

Pollution Reduction Actions by End of 2011

Agriculture

1	Cover Crops	460,000 acres/year
	Nutrient Management Plan Enforcement	100,000 acres
	Soil Conservation and Water Quality Plans	257,049 acres
	Manure Transport	10,000 tons/year
	Heavy Use Poultry Area Concrete Pads	400 farms
	Livestock Waste Structures	145 structures
	Water Control Structures	200 structures
	Dairy Manure Incorporation Technology	2,500 acres/year
	Stream Protection with Fencing	3,000 acres
	Poultry Manure Incorporation Technology	2,500 acres/year
	Poultry Waste Structures	53 structures
	Stream Protection without Fencing	3,000 acres
	Runoff Control Systems	75 systems

Wastewater

2	Wastewater Treatment Plants ENR	39,000 fewer lbs. P
		740,000 fewer lbs. N
4	Blue Plains BNR Upgrade	190,000 fewer lbs. N

Urban/Suburban

Stormwater Runoff Management Retrofits	90,000 acres
Required septic retrofits (inside Critical Area)	1,080 systems
Voluntary septic retrofits (non-Critical Area)	1,920 systems

Natural Filters - Private Land

Streamside Grass Buffers	7,000 acres
Streamside Forest Buffers	3,000 acres
Wetland Restoration	700 acres
Retire Highly Erodible Land	1,800 acres

Natural Filters - Public Land

Streamside Grass Buffers	1,000 acres
Streamside Forest Buffers	2,100 acres
Wetland Restoration	1,000 acres
Retire Highly Erodible Land	2,000 acres

Air

Maryland Healthy Air Act	305,882 less N
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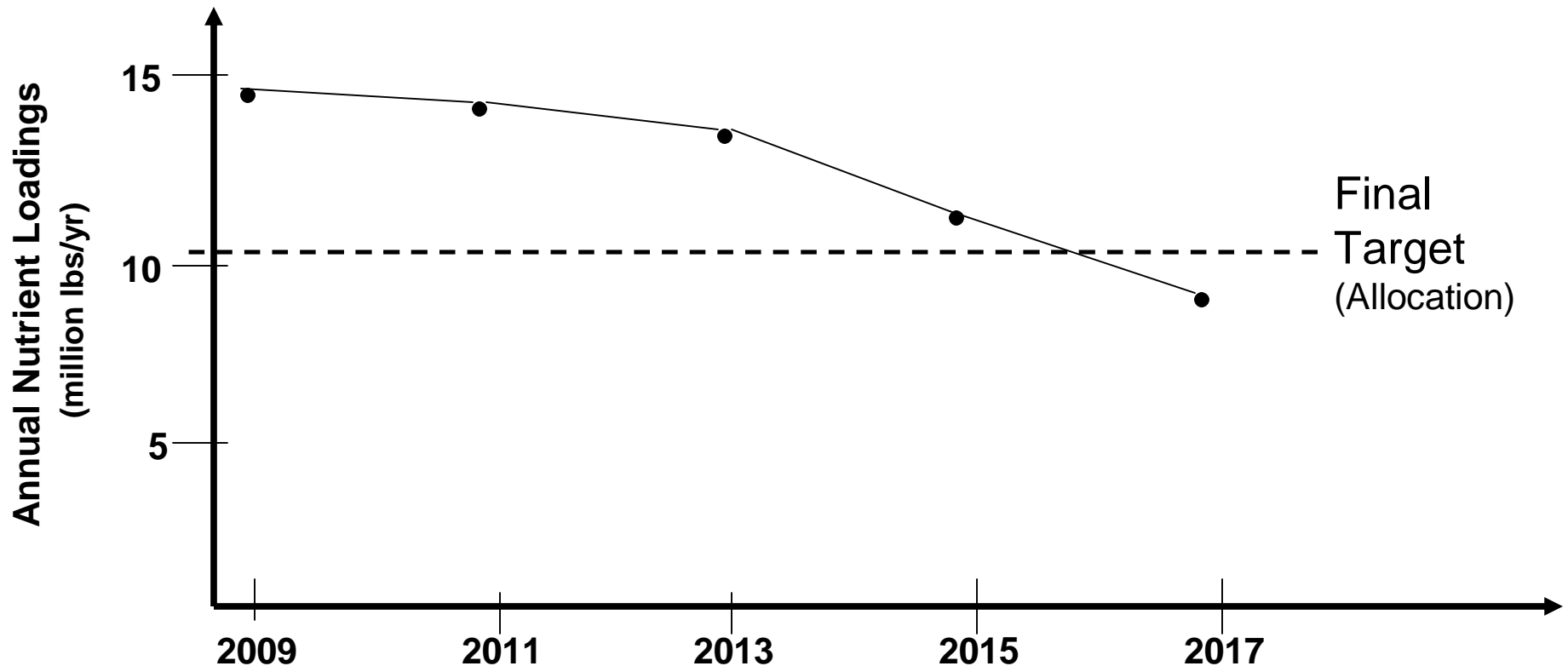
2-Year Milestones and Phase 2 WIP

- 2013 Milestones are a Key Focus of Phase II WIP:
 - Near-Term Tangible Commitments
 - Less Dependent on Uncertainties than long-term Targets
 - Basis of EPA's Statewide Evaluation of Progress
- Two Categories of Milestone Commitments:
 1. Accelerated Implementation Actions
 2. Program Enhancement Actions
- Key Dates for Local Teams:
 - Mid-Sept, 2011 – 1st Draft milestones due to State
 - Mid-Oct, 2011 – Final Draft milestones due to State
 - Nov-December – Final Refinements, time permitting



2-Year Milestones and Pace of Load Reductions

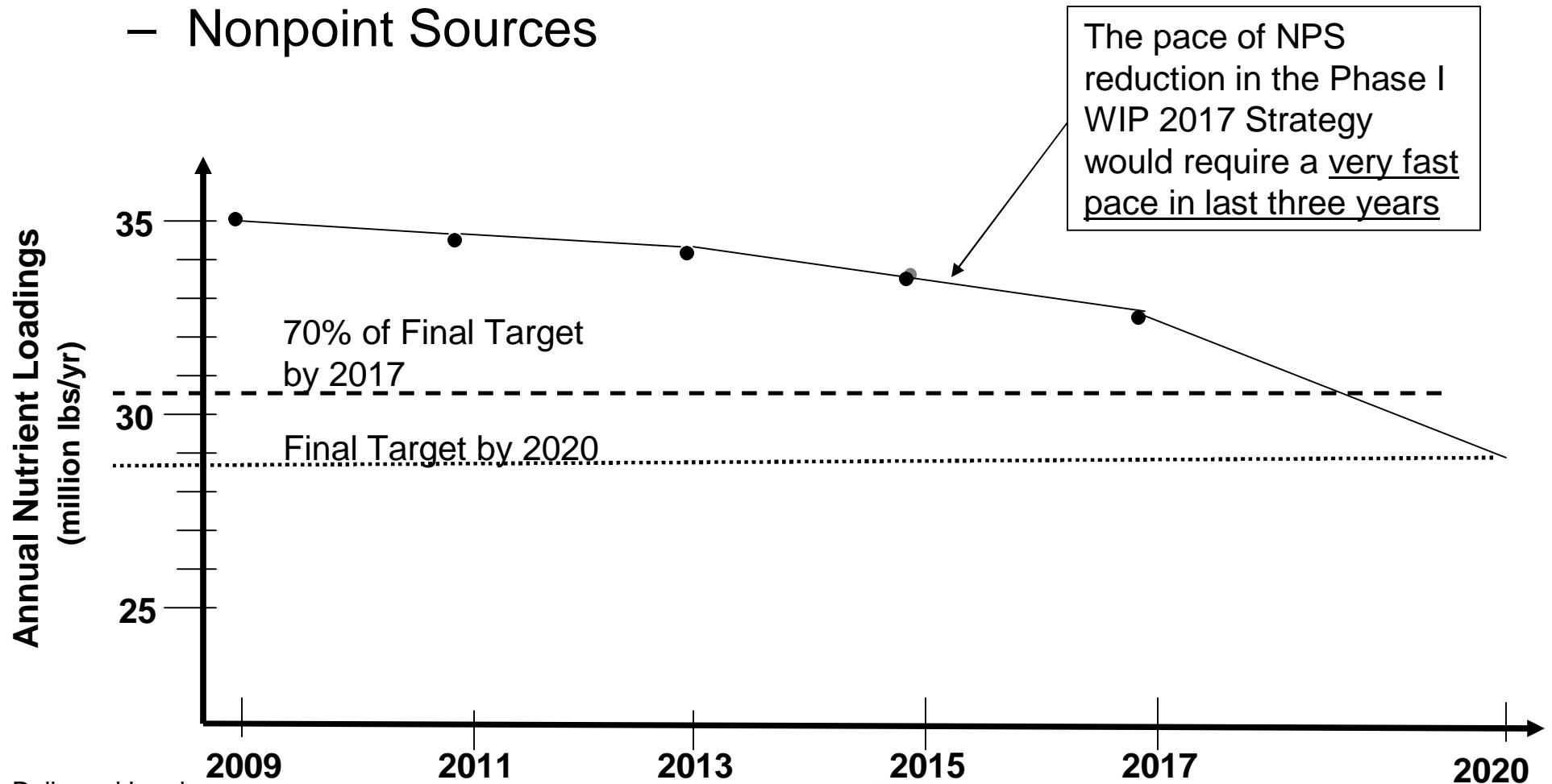
- 2013 Milestones in Context of Future Reduction Target:
 - **Point Source Milestones:** Driven primarily by ENR upgrades



Delivered Loads

2-Year Milestones and Pace of Load Reductions (Con't)

- 2013 Milestones in the Context of Future Targets:
 - Nonpoint Sources

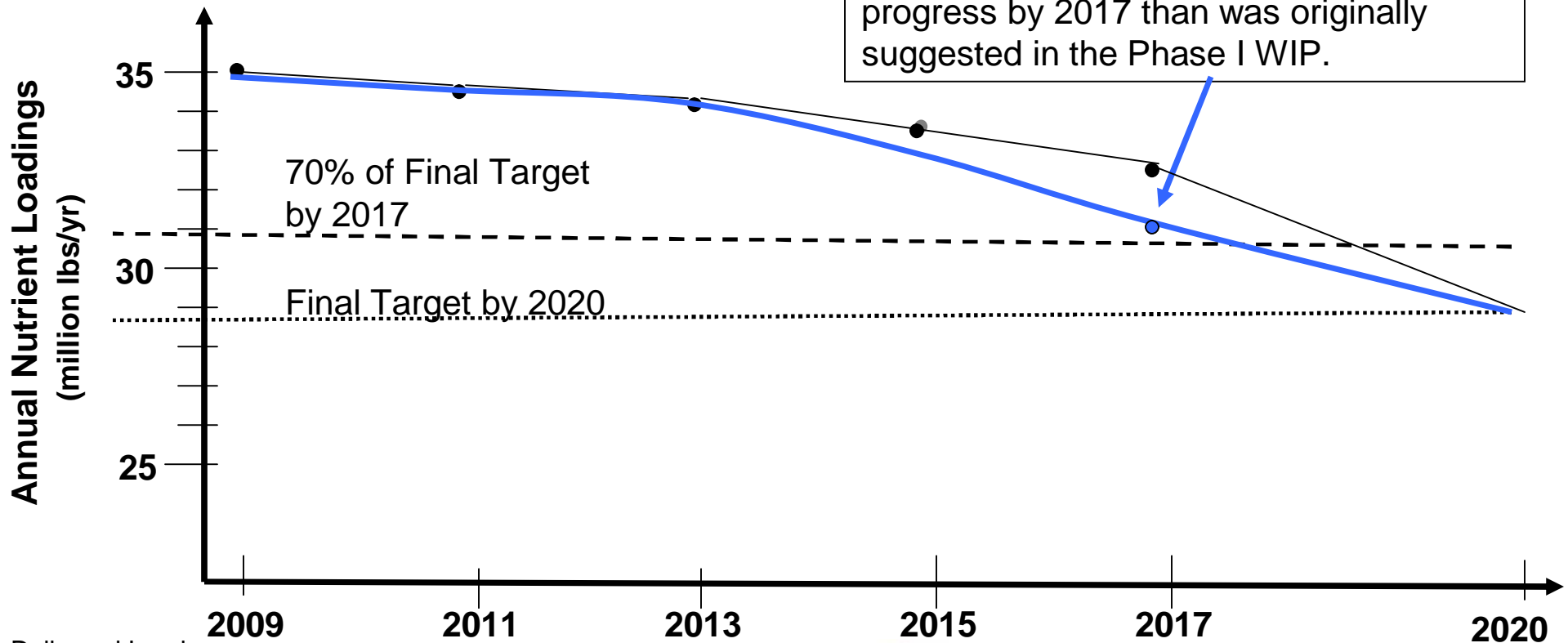


Delivered Loads

2-Year Milestones and Pace of Load Reductions (Con't)

- 2013 Milestones in Context of Future Targets:
 - Nonpoint Sources

A more rapid pace of NPS reduction sooner would help assure we meet the 2020 Target. This implies making greater progress by 2017 than was originally suggested in the Phase I WIP.

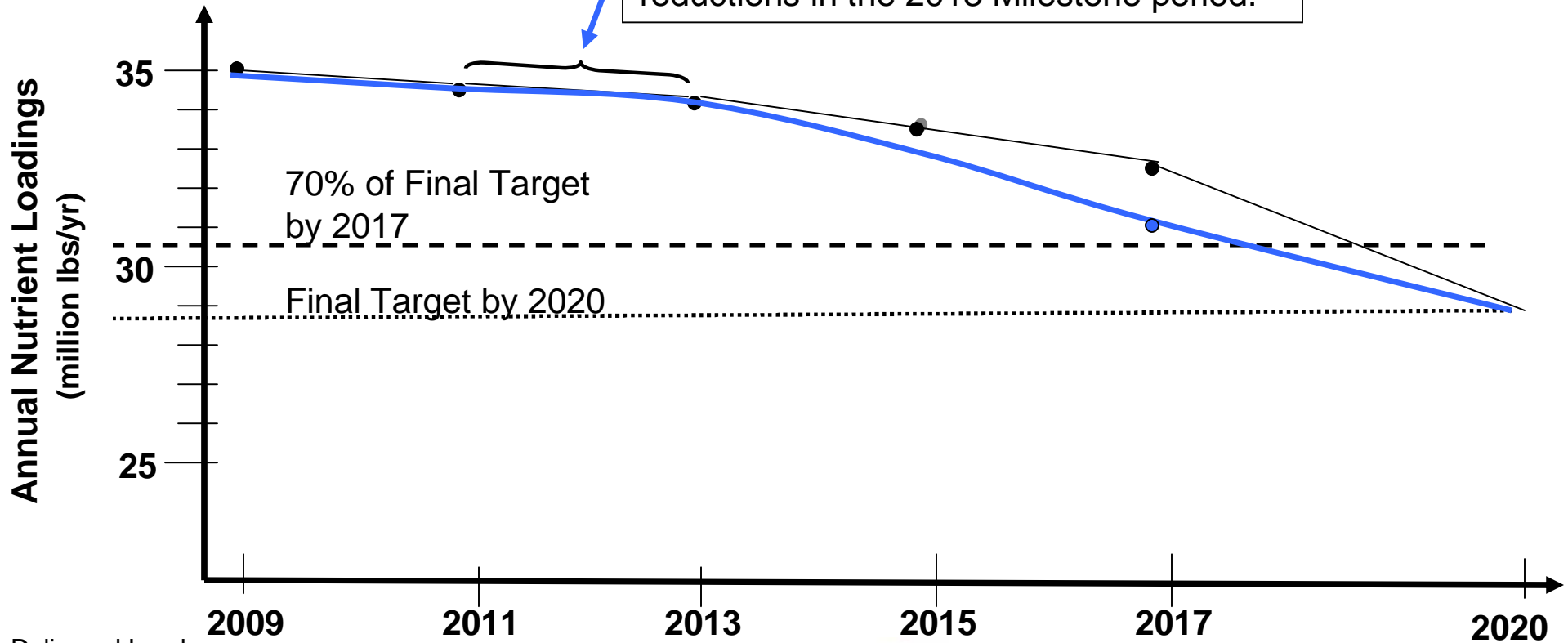


Delivered Loads

2-Year Milestones and Pace of Load Reductions (Con't)

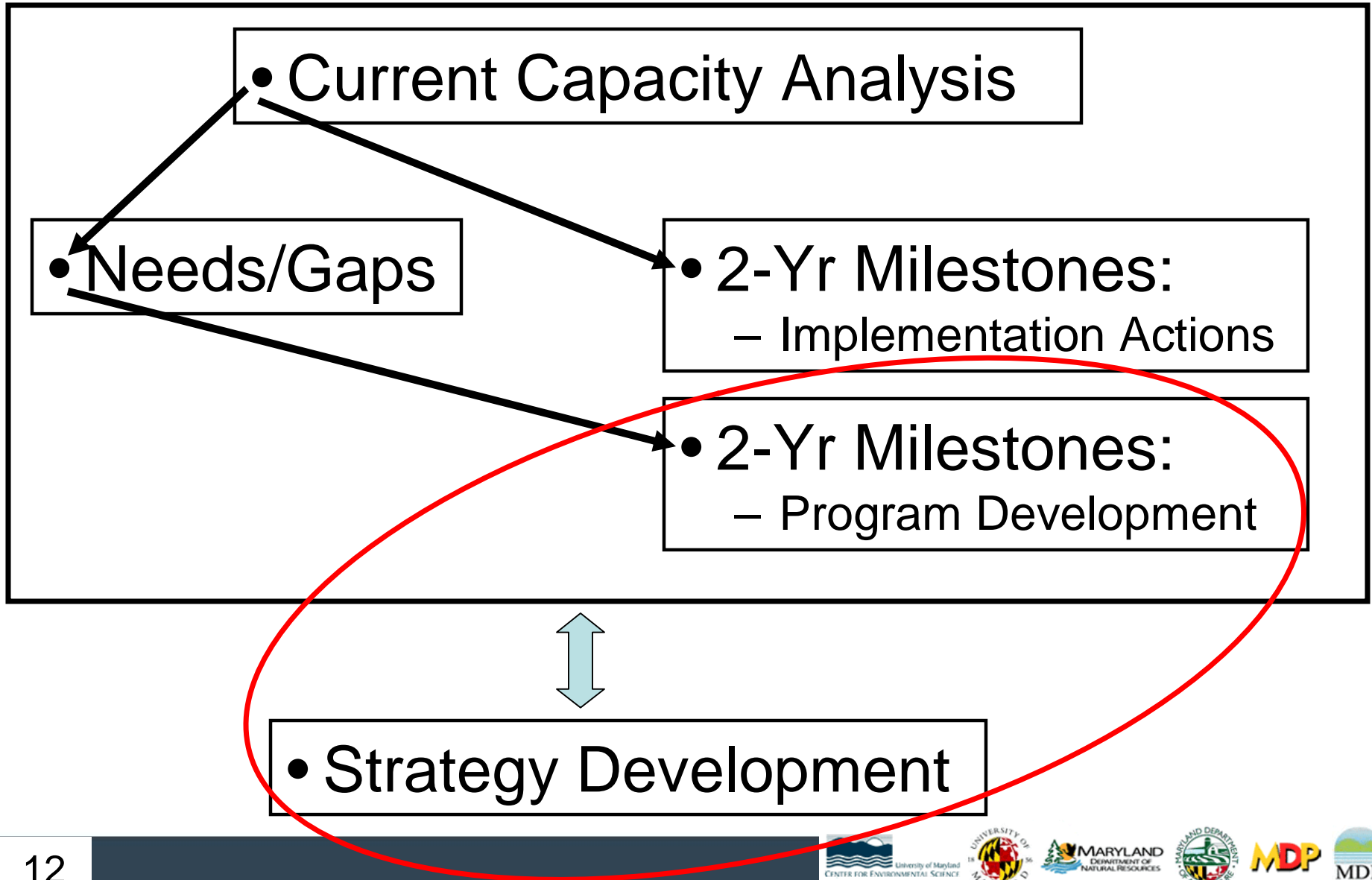
- 2013 Milestones in Context of Future Targets:
 - Nonpoint Sources

We acknowledge there is limited current capacity to accelerate NPS load reductions in the 2013 Milestone period.



Delivered Loads

Near-Term Emphasis on Program Capacity Development



Phase 2 WIP Strategies and 2-Year Milestones

- Septic System Upgrade Strategy (Example):

Strategy: Upgrade systems in targeted areas equaling 18% of all systems by 2017.

Funding: Fund by combination of system-owner expense, and other sources including financing support, tax rebates, grants and other methods to be determined.

Schedule:

- 2012: Identify Initial Target Areas, Evaluate funding options, Develop ordinance(s).
- 2013: Select funding options, Adopt ordinance(s).
- 2014: Begin implementation

2013 Program
Development Milestones

Phase 2 WIP Strategies and 2-Year Milestones

- Urban Retrofit Strategy (Example):

Strategy: Retrofit 20-30% of land developed without sufficient stormwater controls, or achieve equivalent nutrient and sediment reductions, by 2017.

Funding: Capital Improvement Project (CIP) Funds, Grants, Loans, and the creation of a system of fees (e.g., stormwater utility or system of charges available to localities since 1991).

Schedule:

- 2012: Assess and identify initial retrofit project sites, or equivalent nutrient/sediment reductions; plan and budget funding through CIP, Grants, Loans, or Utility.
- 2013: Begin project designs.
- 2014: Complete project designs.
- 2015: Bid and initiate projects

2013 Program
Development Milestones



State and Local Government Milestones

- EPA will evaluate Maryland according to statewide milestones.
- If statewide milestones are not achieved, EPA may investigate why and press the State to oversee local programs more rigorously.
- Ideally, the statewide milestones will incorporate local government milestones, plus others (state/federal facilities, etc.)
- However, the State will backstop locally proposed milestones if they do not set a sufficient pace to meet targets.



Federal Milestones

- Federal Milestones support the implementation of state's milestones.
- Federal Milestones are submitted to EPA at the same time as state's milestones.
- EPA encourages federal agencies and states to coordinate prior to these submissions to ensure consistency among milestones.

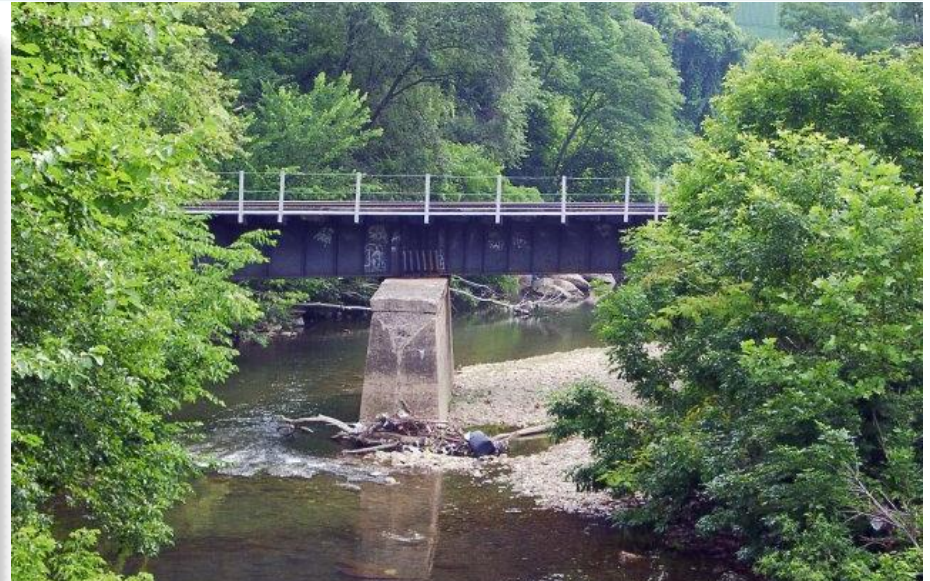


2013 Milestone Schedule

- April-May:
 - Background Orientation,
 - Consider range of options
 - Receive Milestone Guidance
- June-July:
 - Consider Program Development Milestones in context of reviewing Phase I WIP strategies and MAST training
 - Brief Senior Local Officials
- August-September: (One Month to Develop Preliminary Milestones)
 - Develop 2013 Milestones in context of WIP strategy development
 - Mid-September: Submit Draft 2013 Milestones to State via WIP Liaison
- October:
 - Receive Feedback on Sept Submittal, Revise if Necessary
 - Brief Senior Local Officials
 - Mid-October: Submit Final Draft 2013 Milestones to State via WIP Liaison
- November-December:
 - Make Final Refinements if time permits



Questions?



Chesapeake Bay Retriever

Group: Sporting
Origin: USA
AKC: 1878



Breed Trait:
The Chesie, as he is called, is known for his prowess in rough & icy waters.

Temperament:

With a cheery attitude, he displays seriousness when it comes to his work, bold, strong & active, he needs plenty of exercise.

