

# Current Progress and Next Steps in Implementing Maryland's Blueprint for Bay Restoration

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Fall 2014 Regional WIP Workshops

# The Process for Reaching 2025

- Phase I (2010) and II WIP (2012) focus on having practices in place to achieve 60% of the necessary reductions by 2017
- The Phase III WIP (2018) will focus on 2017 to 2025 and provides opportunity for adjustments
  - Midpoint assessment – taking stock
  - Finer geography – major basins
- 2-year milestones
  - Keep us focused on near term goals
  - Accountability framework to monitor progress and evaluate pace

## ENSURING RESULTS

Develop Watershed  
Implementation Plans



Establish  
Bay TMDL

Set Two-Year  
Milestones



Monitor  
Progress

Employ  
Federal Steps if  
Inadequate  
Progress



**2-Year Milestone Evaluation: Balance of quantitative and qualitative**

**Step 1:** Achievement of statewide load reduction and pace

**Step 2:** The pace of sectors when compared to 2017 and 2025 targets

**Step 3:** Sector specific BMP progress

**Step 4:** Programmatic/capacity building

**Step 5:** Assign federal oversight status

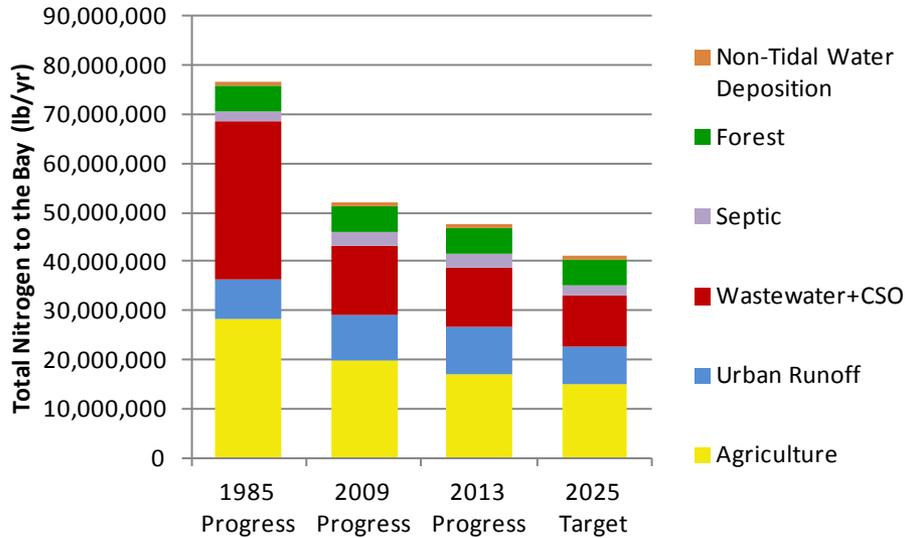
# EPA 2014 Oversight Status

## 2014 Oversight Status

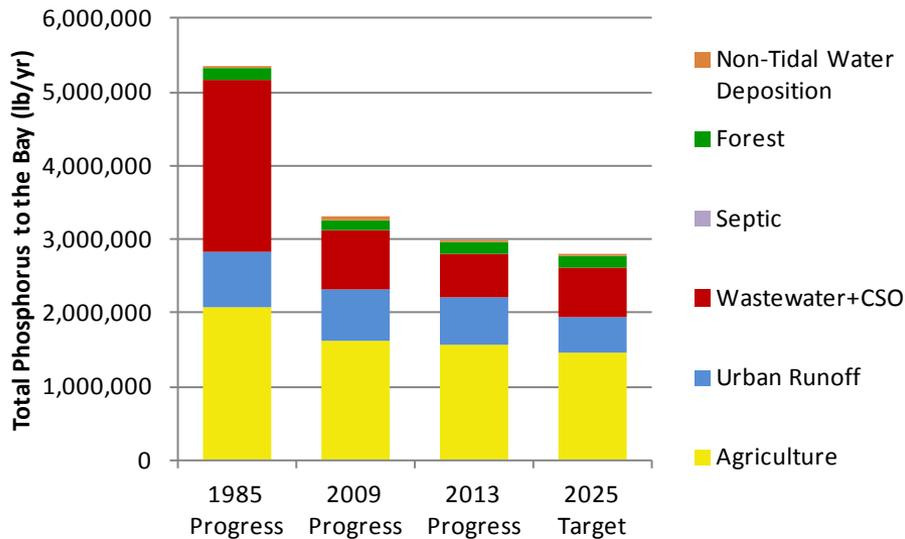
■ Ongoing    
 ■ Enhanced    
 ■ Backstop

	Agriculture:	Urban/Suburban:	Wastewater:	Trading/Offsets:
<b>DE</b>	Ongoing Oversight	Ongoing Oversight	Ongoing Oversight	Ongoing Oversight
<b>DC</b>	Not Applicable	Ongoing Oversight	Ongoing Oversight	Ongoing Oversight
<b>MD</b>	Ongoing Oversight	Ongoing Oversight	Ongoing Oversight	Ongoing Oversight
<b>NY</b>	Ongoing Oversight	Ongoing Oversight	Enhanced Oversight	Ongoing Oversight
<b>PA</b>	Backstop Actions Level	Backstop Actions Level	Ongoing Oversight	Enhanced Oversight
<b>VA</b>	Ongoing Oversight	Enhanced Oversight	Ongoing Oversight	Ongoing Oversight
<b>WV</b>	Enhanced Oversight	Ongoing Oversight	Ongoing Oversight	Ongoing Oversight

# Historic Statewide Progress



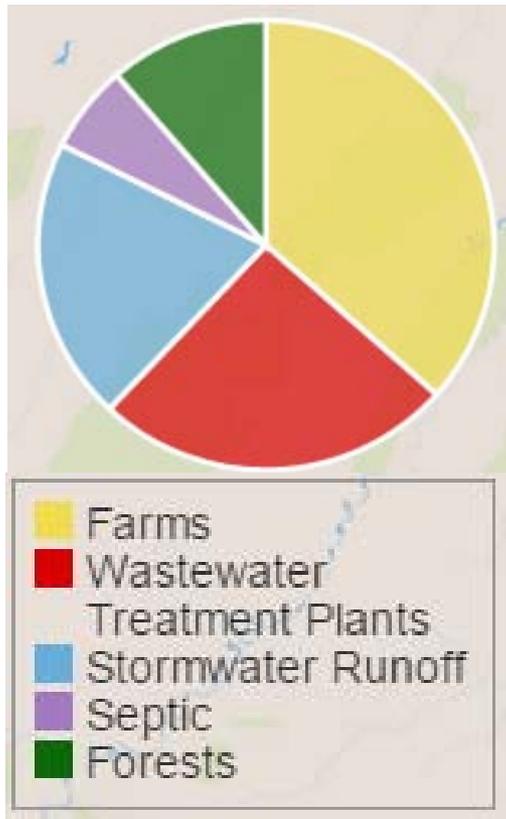
Looking back to 1985, Maryland is 84% toward the 2025 nitrogen target and 93% toward the phosphorus target



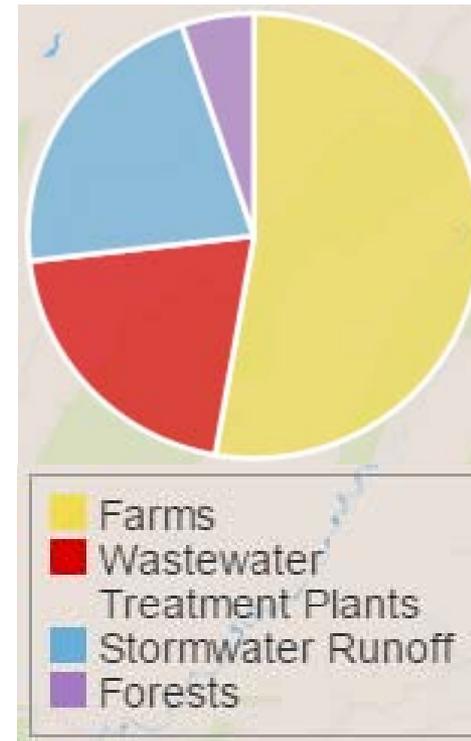
Looking back to 2009, Maryland is 41% toward the 2025 nitrogen target and 62% toward the phosphorus target

# MD Pollution Sources in 2013

## Nitrogen



## Phosphorus



# EPA Review of 2013 Programmatic Milestones

- Success
  - Wastewater/Septic - ENR upgrades, doubling BRF and BAT
  - Stormwater - Draft Phase I MS4, industrial stormwater permits, improved data quality
  - Agriculture - Nutrient management, fertilizer use act
- Shortfalls
  - Accounting for growth regulations, PMT, septic system strategy, MS4 permit issuance

# 2015 Milestone Commitments

## Wastewater

- ❖ ENR Upgrades for major WWTPs
- ❖ Upgrade Minor WWTPs



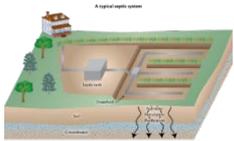
## Stormwater

- ❖ Final Phase I & II MS4s
- ❖ Improve tracking



## Septic Systems

- ❖ Septic strategy and pace
- ❖ Improved tracking



## Agriculture

- ❖ Agricultural Certainty regs
- ❖ PMT phase in
- ❖ New technologies



## Offsets and Trading

- ❖ Establishment of Accounting for Growth tracking system and rules
- ❖ Develop and research Nutrient trading options for high cost sectors

All Programmatic Milestones are available on the MDE website:

[http://www.mde.state.md.us/programs/Water/TMDL/TMDLImplementation/Pages/MD\\_Milestone\\_Goals\\_2014-2015.aspx](http://www.mde.state.md.us/programs/Water/TMDL/TMDLImplementation/Pages/MD_Milestone_Goals_2014-2015.aspx)

# Continued Local Engagement

- Focus on short term goals
  - Local milestones and evaluation
  - County SCD goals and milestones
- Survey of local jurisdictions needs
- Regional workshops
  - Partnerships
  - Resources (Watershed Assistance Collaborative, Environmental Finance Center, Grants, RFPs)
- Technical webinar series

# The 2017 Midpoint Assessment

- Three parts – allow for midpoint adjustments
  - EPA review of progress towards meeting the 2017 60% interim target & 2025 Bay TMDL goal
  - Bay Partnership gathers, reviews and incorporates new data and science into the partnership’s decision support tools to support policy decisions
  - States submit Phase III WIP to EPA in 2018 which will provide a blueprint for how we will reach our 2025 goals

# Summary

- Maryland achieved its 2012 – 2013 milestones, set 2015 milestones and is on a path to reach 2017.
- Midpoint assessment provides opportunity for adaptive management and midpoint adjustments
- Near term is to continue to focus on addressing short term milestone goals in all sectors and identify strategies for the Phase III WIP.
- MD's blueprint for restoration, a combined plan across all sectors:
  - *Will result in continued reduction of nutrient pollution to the Chesapeake Bay and its tributaries*
  - *Is necessary for a restored and resilient Bay and is part of a comprehensive seven jurisdiction strategy for Bay restoration*
  - *Positions Maryland for sustainable and smart growth*

For more information  
visit our new website!  
[www.mde.state.md.us](http://www.mde.state.md.us)

## DON'T BLAME THE RAIN

### LESS POLLUTION IS THE SOLUTION

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**Maryland's Blueprint for Bay Restoration**

Our action plan to restore and protect the Bay and its tributaries

**Marcellus Shale Safe Drilling Initiative**

Looks at whether and how gas drilling and production can be done safely

**Climate Change Maryland**

Learn more about Maryland's plan to Act on Climate Change

**Lead Poisoning Prevention**

Working toward our goal of no children with lead poisoning

**MDEStat Accomplishments**

MDE's successful, award-winning management accountability system

**Reclaim the Bay**

MDE and its partners are committed to working together toward Bay restoration. Learn how you can "Reclaim the Bay."



## Maryland's Blueprint for Bay Restoration

[View this page as a .pdf file](#)

### BAY 101

- ★ [Bay 101 Video](#)
- ★ [Maryland's Action Plan for Bay Restoration](#)
- ★ [Accountability Framework](#)

### GOALS AND PROGRESS

- ★ [Tracking Maryland's Progress](#)
- ★ [Tracking Progress by All States](#)
- ★ [Two Year Milestones](#)

### EDUCATION AND OUTREACH

- ★ [Bay Restoration News](#)
- ★ [Reclaim the Bay](#)
- ★ [Stormwater 101](#)
- ★ [Local Partner Engagement](#)

### RESOURCES

- ★ [UMD Environmental Finance Center](#)
- ★ [Chesapeake & Atlantic Coastal Bays Trust Fund](#)
- ★ [State Revolving Loan Fund](#)
- ★ [319 Nonpoint Source Fund](#)
- ★ [Bay Restoration Fund](#)
- ★ [Watershed Assistance Collaborative](#)
- ★ [Agricultural Cost-Share Program](#)

### THE BLUEPRINT

- ★ [Phase I Watershed Implementation Plan](#)
- ★ [Phase II Watershed Implementation Plan](#)
- ★ [Local Blueprints](#)

### DATA AND TOOLS

- ★ [MDE TMDL Data Center](#)
- ★ [Maryland Assessment and Scenario Tool \(MAST\)](#)
- ★ [Maryland Smart Green and Growing](#)
- ★ [ChesapeakeStat](#)
- ★ [USGS Water Quality Loads and Trends in the Chesapeake Bay Watershed](#)
- ★ [DNR Eyes on the Bay](#)

### KEY INITIATIVES

- ★ [Nutrient Trading](#)
- ★ [Accounting for Growth](#)
- ★ [Maryland Nutrient Management Program](#)
- ★ [Sustainable Growth and Agricultural Preservation Act Implementation](#)
- ★ [Phosphorus Management Tool](#)
- ★ [Lower Susquehanna River Watershed Assessment](#)

### QUICK LINKS

- ★ [The Chesapeake Bay Watershed Agreement](#)
- ★ [Chesapeake Bay TMDL](#)
- ★ [Approved TMDLs](#)
- ★ [TMDL Stormwater Implementation Resources](#)
- ★ [TMDL Maps](#)
- ★ [Governor's 'Accelerate Bay Restoration' Goal](#)
- ★ [Bay Stat](#)
- ★ [Quick Links A-Z](#)

# Thank You!!!

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