

EPA Evaluation of Chesapeake Bay Two-Year Milestones (2012–13 & 2014–15)

December 4, 2014

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Overview

- ▶ What are the 2-year milestones and evaluation?
- ▶ How we conducted evaluation
- ▶ Evaluation results

Milestones Evaluation

- ▶ Milestones comprise:
 - Numeric: translate practices into load reductions and compare to long-term trajectories
 - Programmatic: Actions to build capacity to achieve necessary implementation levels
- ▶ 2012–13: Did jurisdictions and federal agencies achieve their 2012–13 commitments set 2 years ago?
- ▶ 2014–15: Are commitments strong enough to keep jurisdictions and federal agencies on track to have:
 - All practices in place by 2025 to achieve clean water in Bay
 - Practices in place by 2017 to achieve 60% of necessary reductions compared to 2009

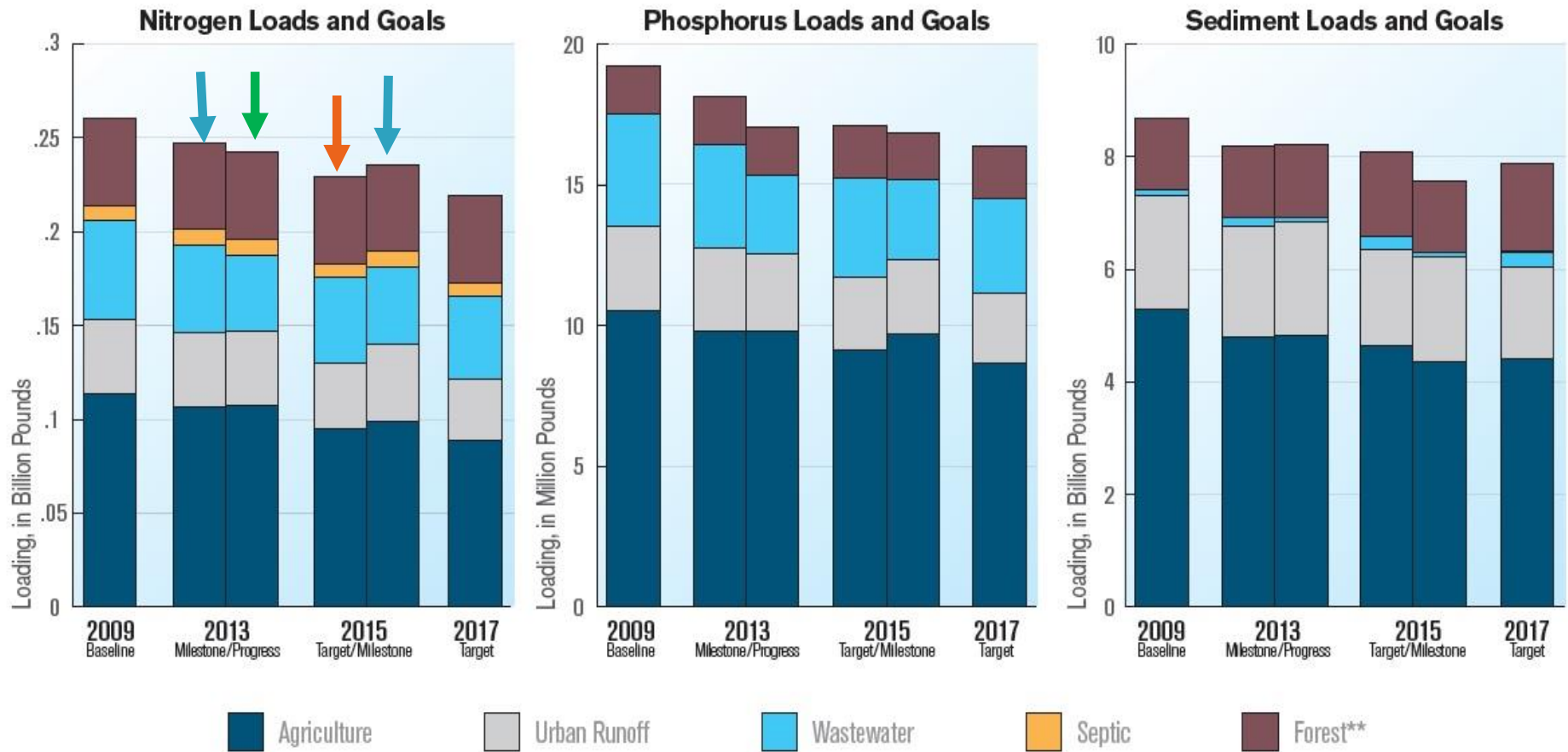
The Evaluation Team

- ▶ State WIP leads
- ▶ Sector experts
 - Agriculture
 - Urban/Stormwater
 - Wastewater
 - Trading/Offsets/Growth
 - Modeling
 - Local Engagement
- ▶ Bay Grant project officers
- ▶ Senior Managers

Overall Programmatic Progress and Goals

- ▶ Majority of 2012–13 programmatic milestones were achieved
 - Some important milestones missed, e.g. permit reissuance
- ▶ For 2014–15, the trajectory and pace of implementation to meet 2017 goals gets steeper in many instances. There are good commitments, more needs to be done to build necessary capacity
- ▶ Enhanced implementation rates and new, innovative tools are needed to meet the challenges ahead of us

Overall Numeric Progress and Goals



** Forest includes other sources

Note: 2013 milestones and 2013 progress are based on 2010 conditions. For additional information on pollution reduction progress, commitments, and BMP see <http://stat.chesapeakebay.net/milestones>

Blue arrows – Milestone targets

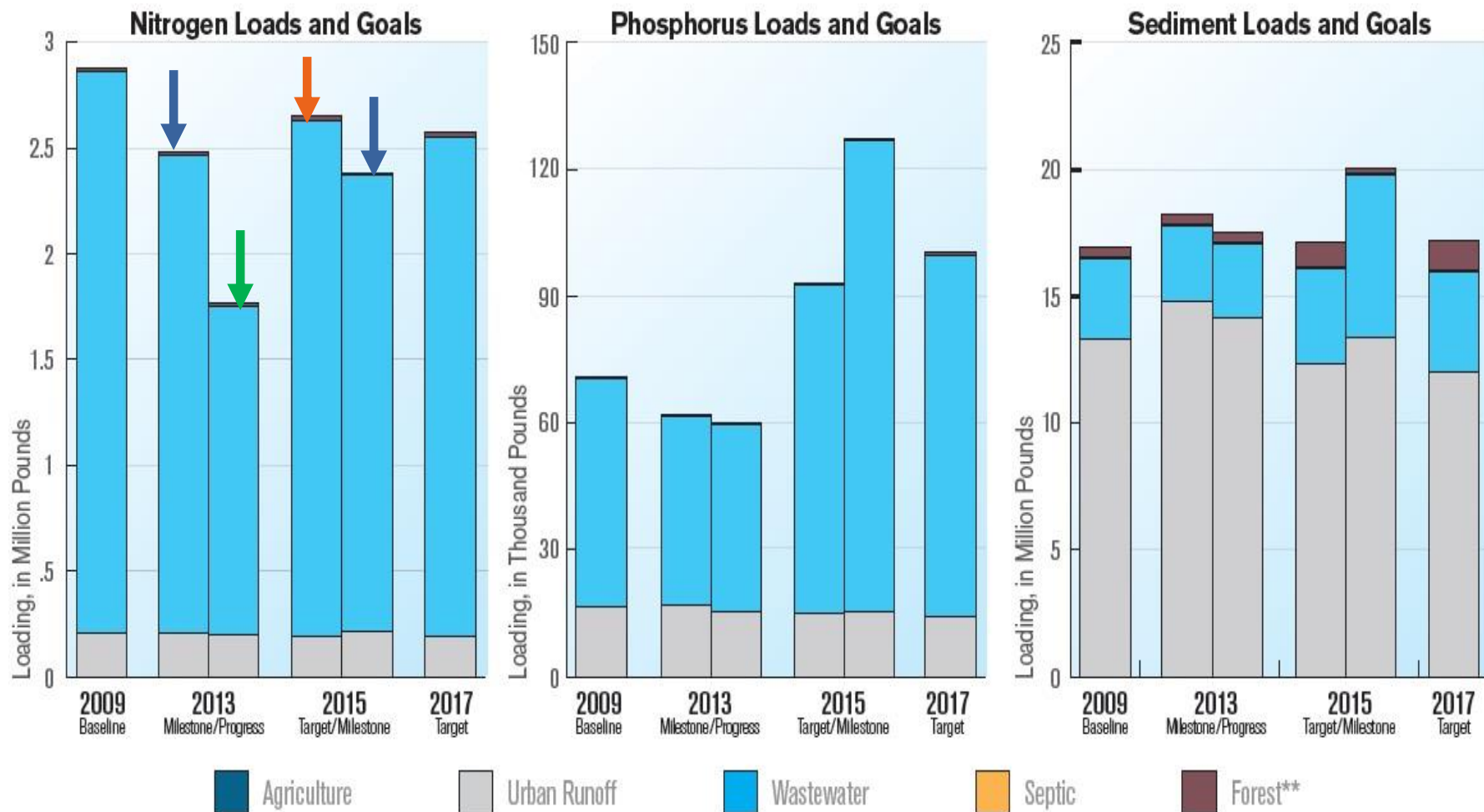
Green arrow – actual progress

Orange arrow – reflect being “on track” to 2017

2014 Oversight Status

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

District of Columbia Progress and Goals



** Forest includes other sources

Blue arrows – Milestone targets

Green arrow – actual progress

Orange arrow – reflect being “on track” to 2017

District of Columbia Oversight Status

Agriculture:

Not Applicable

Urban/Suburban:

Ongoing Oversight

Wastewater:

Ongoing Oversight

Trading/Offsets:

Ongoing Oversight

Strengths

Continued upgrades to Blue Plains WWTP; will have enhanced nutrient removal in place by October 2014

Shortfalls

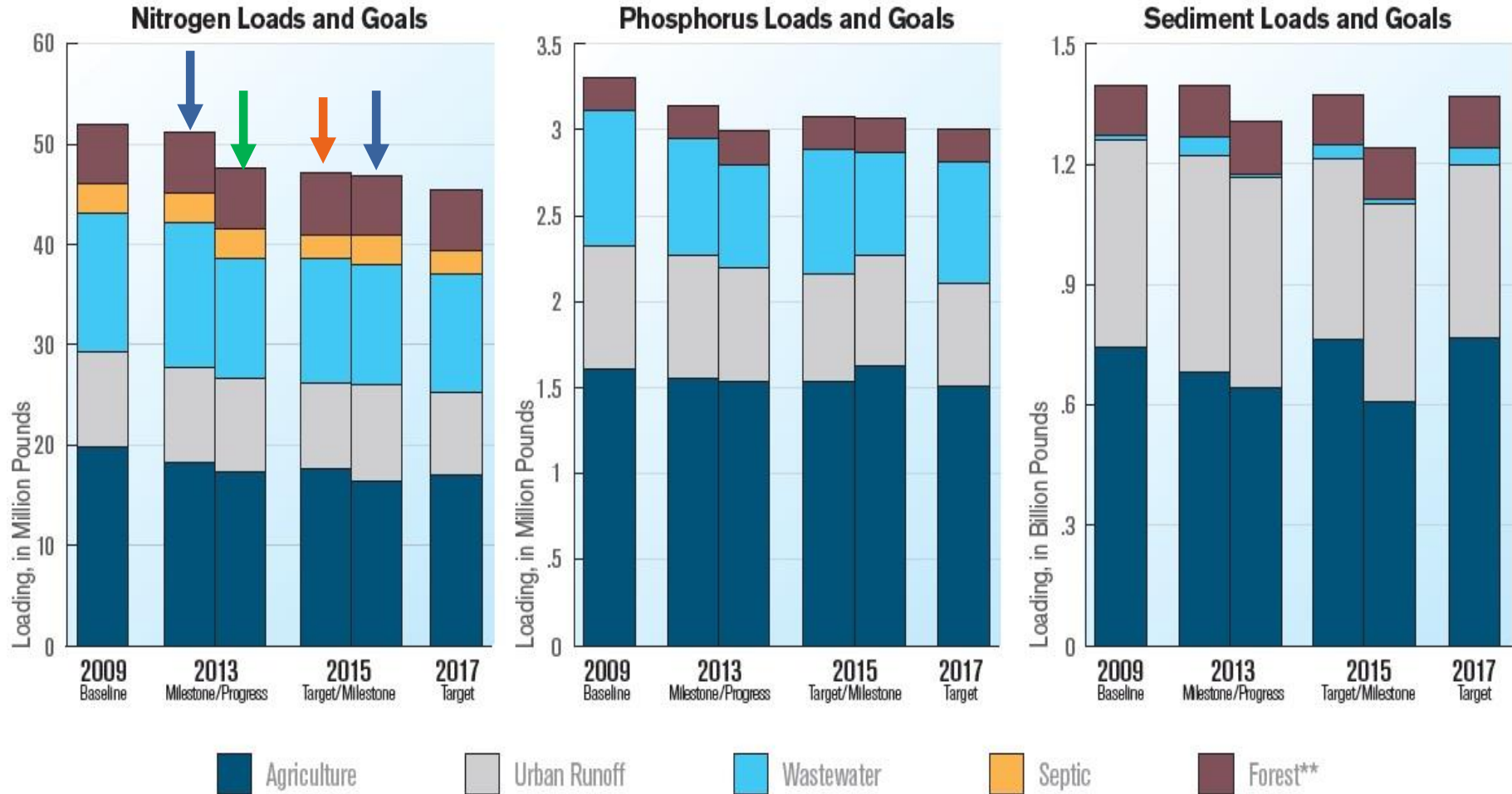
Did not complete citywide online stormwater tool by 2013

Issues to Address

Increase implementation of tree plantings and redevelopment projects at 1.2 inch retention standard to meet Urban Stormwater projections



Maryland Progress and Goals



** Forest includes other sources

Blue arrows – Milestone targets

Green arrow – actual progress

Orange arrow – reflect being “on track” to 2017

Maryland Oversight Status

Agriculture:

Ongoing Oversight

Urban/Suburban:

Ongoing Oversight

Wastewater:

Ongoing Oversight

Trading/Offsets:

Ongoing Oversight

Strengths

- Implemented revised agricultural nutrient management regulations and homeowner fertilizer act
- Doubled Bay Restoration Fund fee—funds to complete ENR upgrades at 67 major and 5 to 10 minor wastewater treatment plants by 2017

Shortfalls

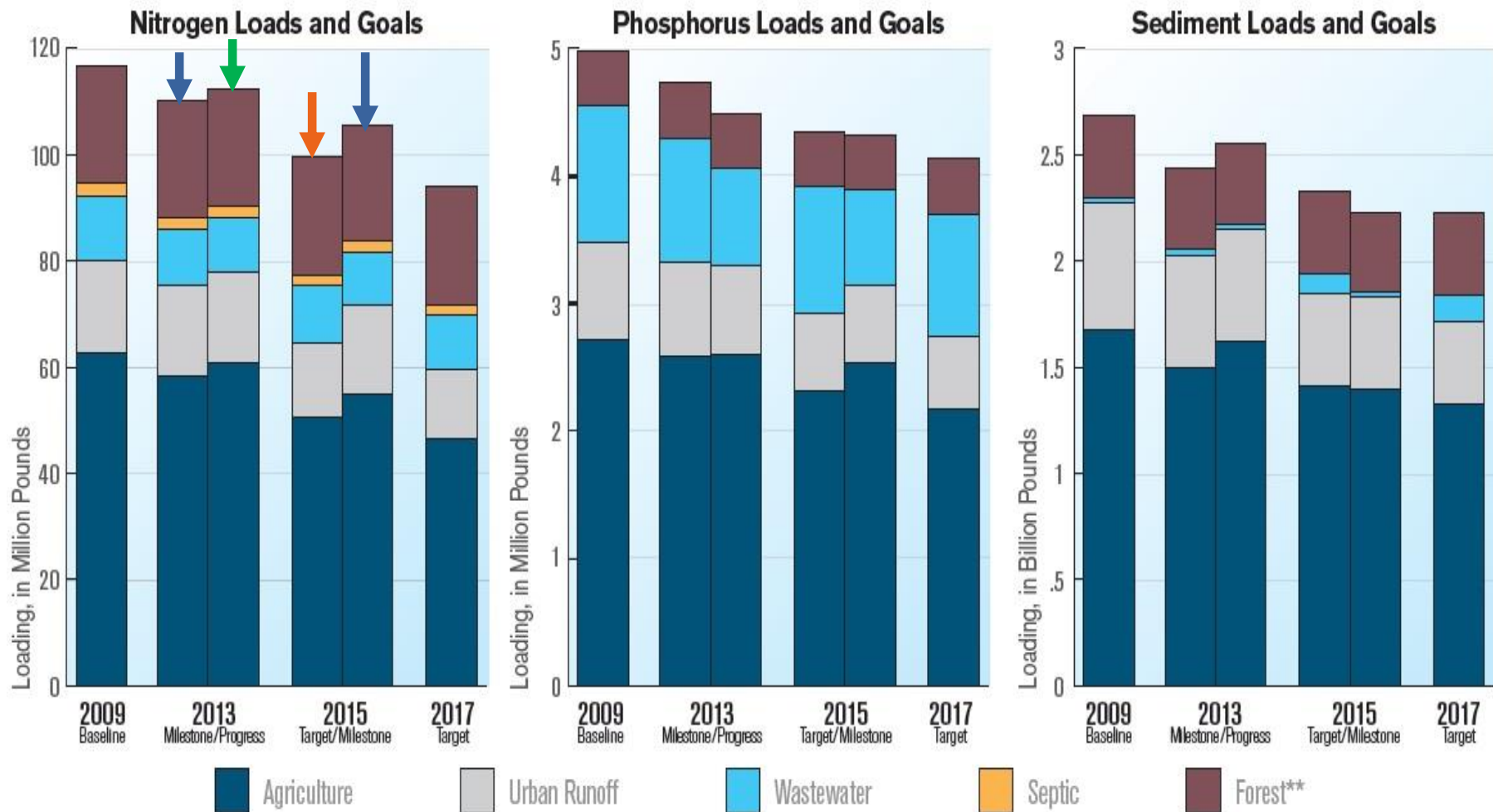
Phosphorus Management Tool regulations not completed as specified; committed to implementing in 2014

Issues to Address

Issue remaining, expired MS4 permits and construction general permit by agreed upon schedule



Pennsylvania Progress and Goals



** Forest includes other sources

Blue arrows – Milestone targets

Green arrow – actual progress

Orange arrow – reflect being “on track” to 2017

Pennsylvania Oversight Status

Agriculture:

Backstop Actions Level

Urban/Suburban:

Backstop Actions Level

Wastewater:

Ongoing Oversight

Trading/Offsets:

Enhanced Oversight

Strengths

Committed to performing 450 agricultural compliance inspections and 100 compliance actions during the 2014–2015 milestone period

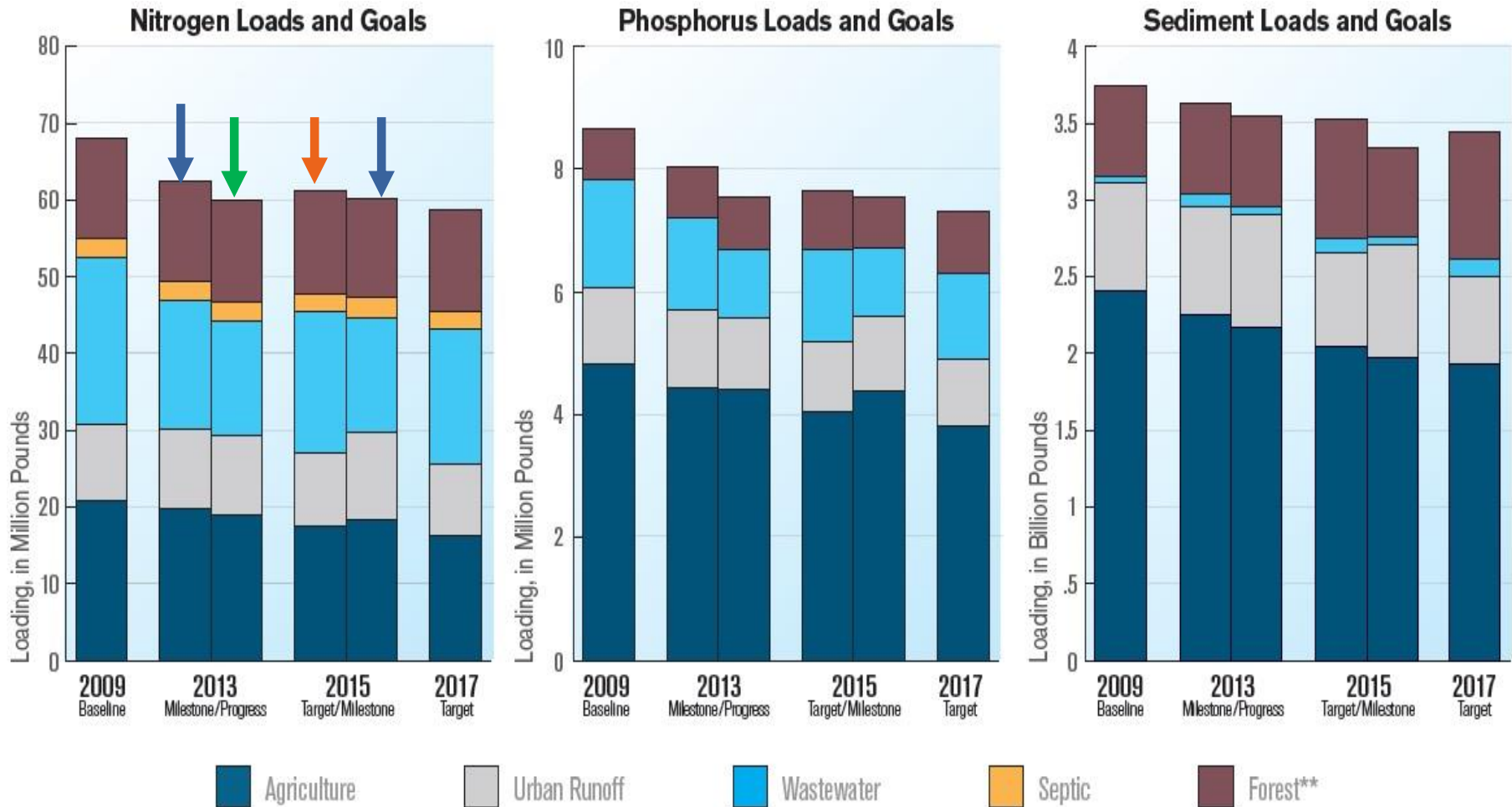
Shortfalls

Did not meet 2013 reduction targets in agriculture and did not meet implementation targets for critical BMPs the Commonwealth is relying on heavily to meet nutrient and sediment reduction targets

Issues to Address

- Increase progress in agriculture and stormwater to get on track to meet nitrogen targets for 2015, with focus on highest priority water quality BMPs

Virginia Progress and Goals



** Forest includes other sources

Blue arrows – Milestone targets

Green arrow – actual progress

Orange arrow – reflect being “on track” to 2017

Virginia Oversight Status

Agriculture:

Ongoing Oversight

Urban/Suburban:

Enhanced Oversight

Wastewater:

Ongoing Oversight

Trading/Offsets:

Ongoing Oversight

Strengths

- Launched the Virginia Enhanced Conservation Initiative; \$4.8 million in cost-share funds and reimbursing farmers up to 100% to install stream fencing systems
- Approved bond authorization including \$101 million to fund grants for wastewater plant upgrades and up to \$75 million for Combined Sewer Overflow control projects

Shortfalls

Did not issue 10 remaining, expired Phase I MS4 permits—not on track to have practices in place by 2025 to meet TMDL allocations for stormwater within Phase I localities

Issues to Address

Demonstrate more aggressive implementation of BMPs to manage stormwater, including infiltration and filtration

Federal Agencies

Federal Lands and Facilities

Chesapeake Bay Watershed



Strengths

Developed the planning tool Bay Facility Assessment Scenario Tool (BayFAST) to allow federal agencies to estimate current loads and pollutant reductions from various BMP scenarios

Shortfalls

EPA deferred revisions to national stormwater rule; alternatively will develop proposals to strengthen stormwater program in 2014–2015

Issues to Address

Improve BMP progress reporting by federal facilities through BayFAST in 2014

Questions?

www.epa.gov/chesapeakebaytmdl

