

Agriculture in the Phase III WIPs

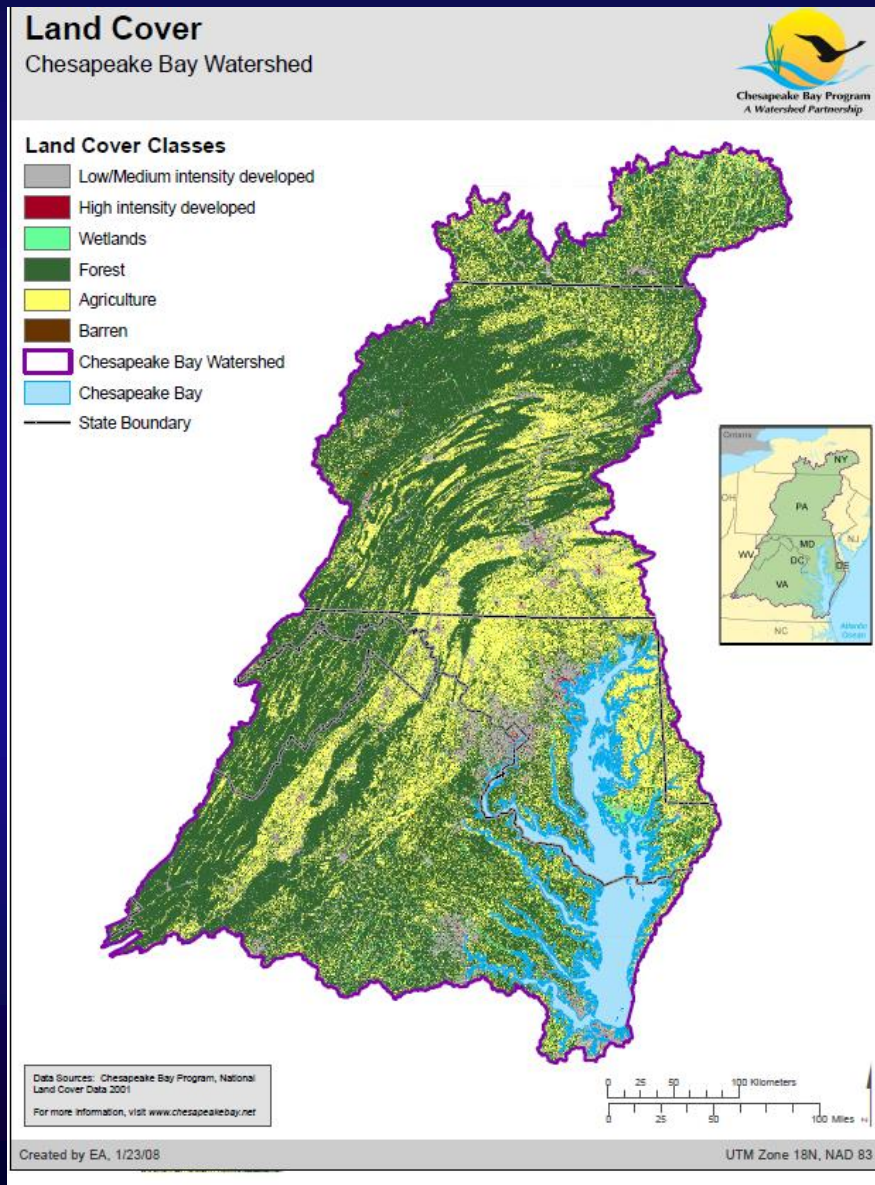
What will be Expected of Agriculture?

Chesapeake Bay Commission Meeting
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Agriculture in the Chesapeake Bay

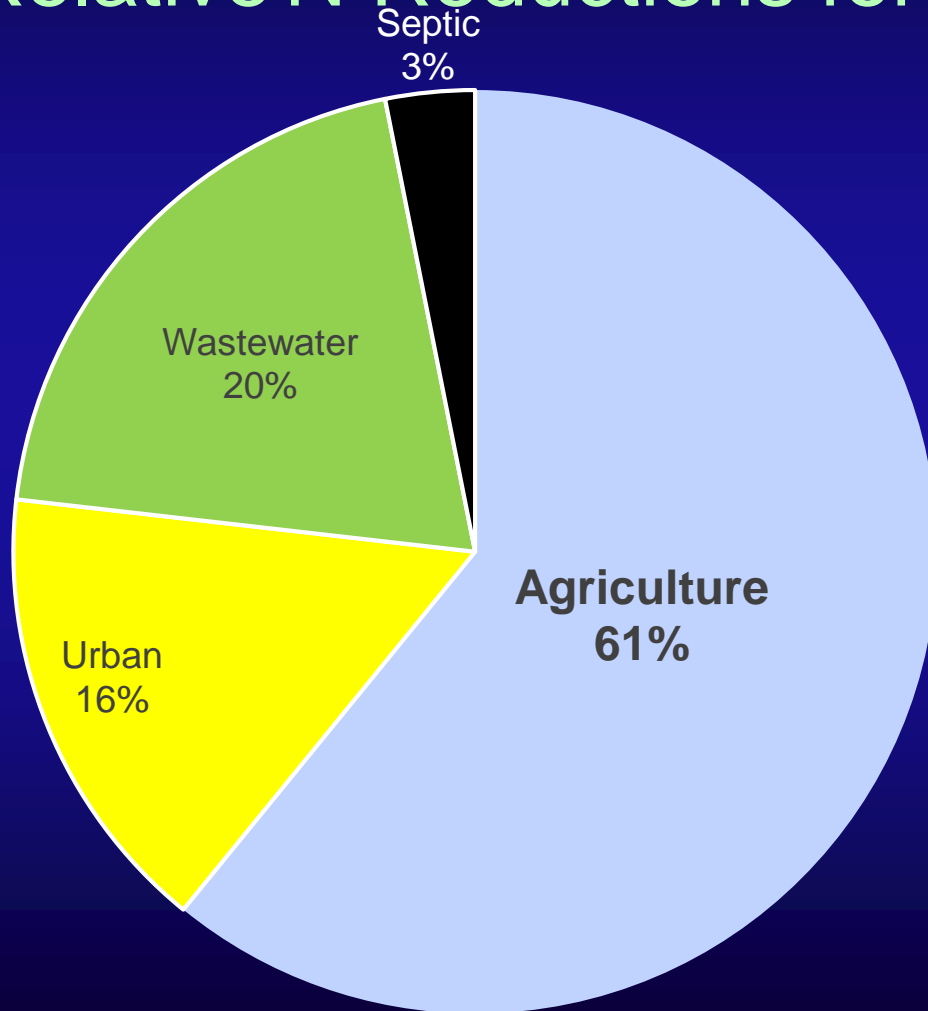


- 87,000 farms
- 8.5 million acres cropland (~ 22%)
- PA = Top 4 for dairy and eggs
- DE, MD, VA = Top 10 for broilers
- VA = Top 5 for turkeys

*Profitable Ag and
Clean Water!*

Agriculture is a Big Part of the Bay Restoration Solution

Relative N Reductions for Bay TMDL

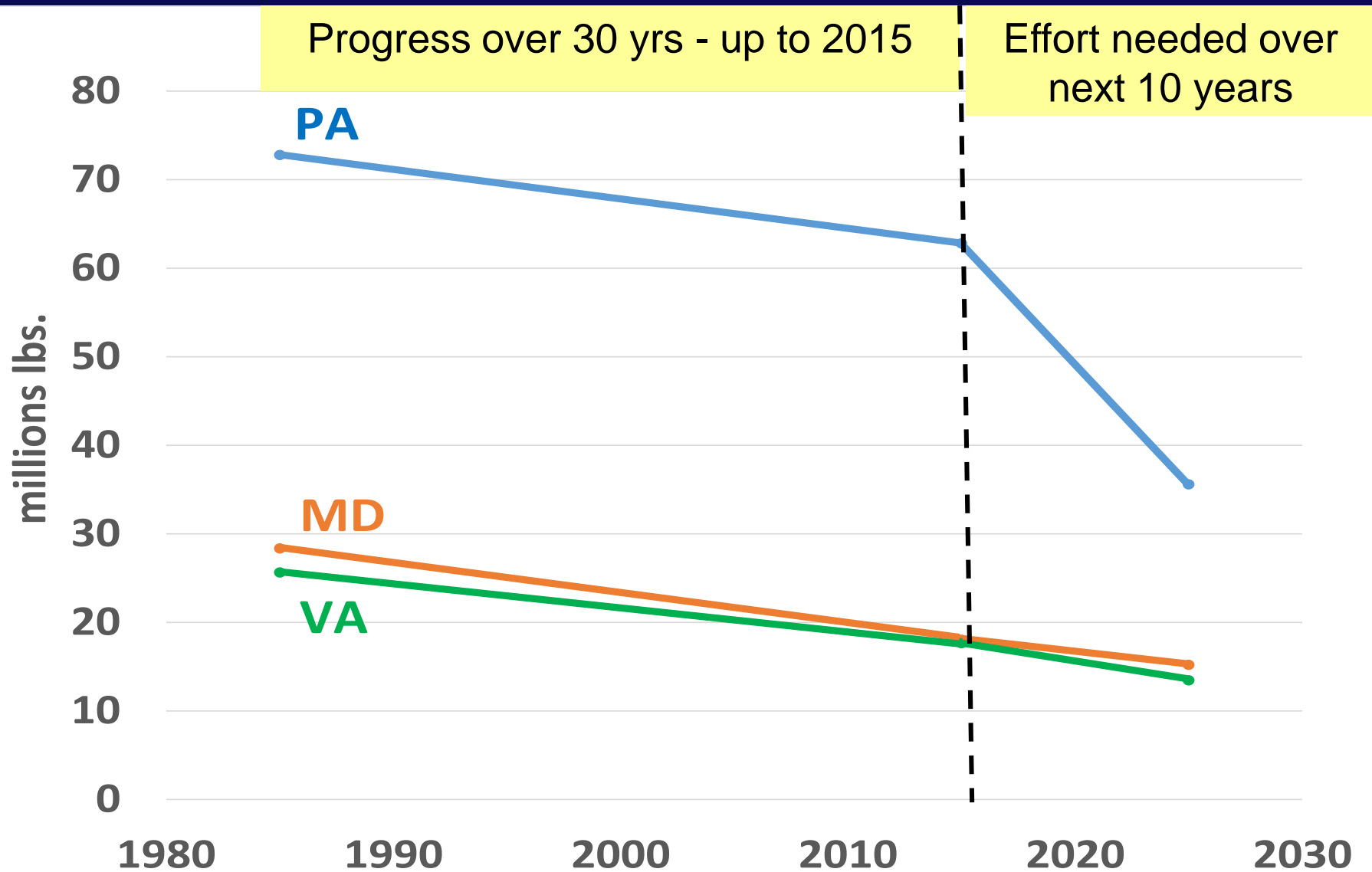


States are relying on agriculture to achieve roughly two-thirds of the necessary nutrient reductions for the Bay TMDL.

- MD 41%*
- VA 45%*
- PA 75%*

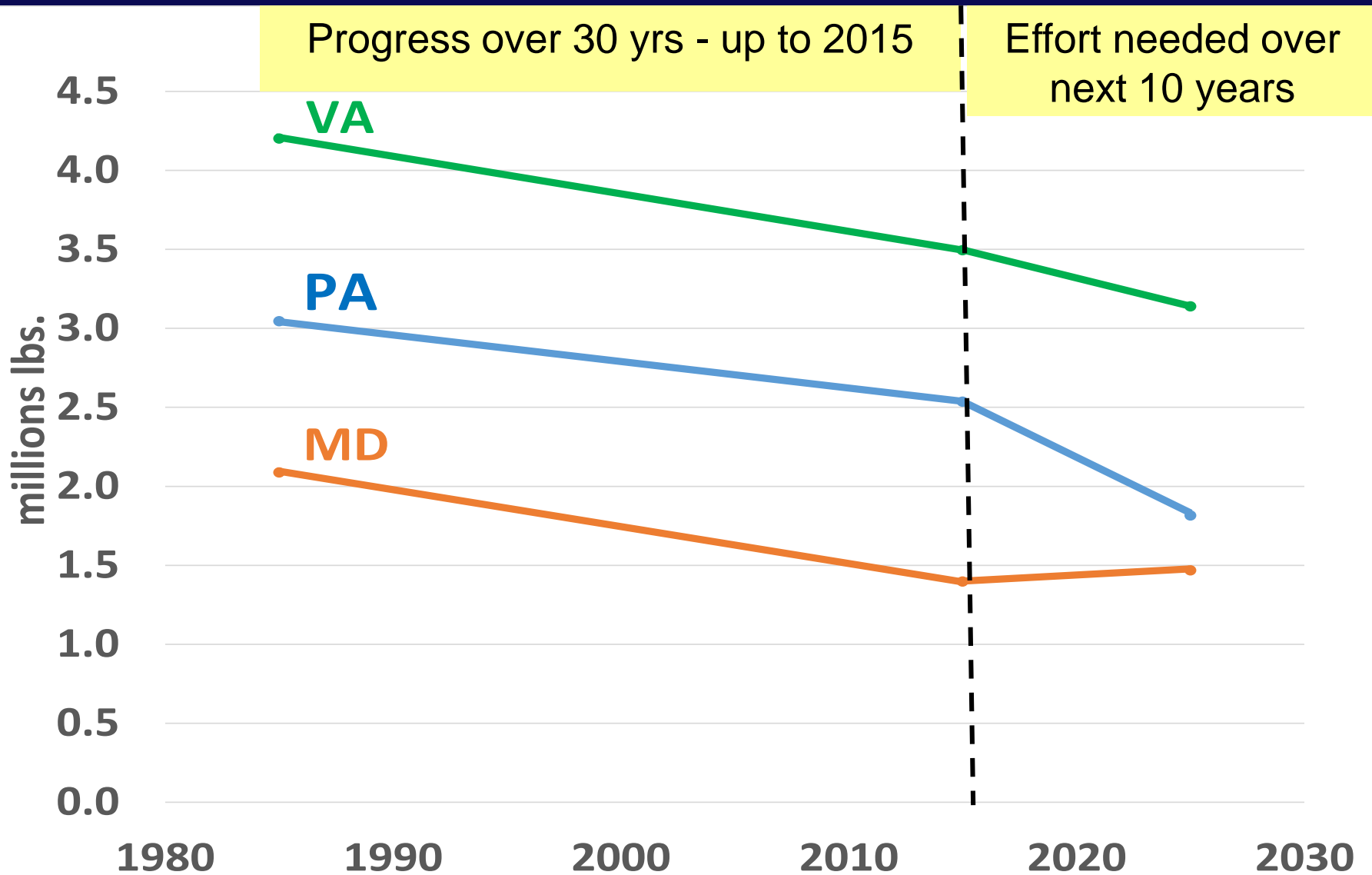
Agricultural Nitrogen Loads

Historic and Planned



Agricultural Phosphorus Loads

Historic and Planned



The Challenge

- States' heavy reliance on ag
- Low hanging fruit picked
- Limited funding – for practices and TA
- Goals get tougher

How to better target funding & people we have?

How to engage more producers in baseline and higher levels of conservation?

3 Key Ingredients to Successful State Agriculture Programs

- **State ag cost share programs**
 - Significant annual funding levels
 - Target priority practices & watersheds
- **Regulatory Programs**
 - Good coverage, practices, compliance
- **Voluntary incentive programs**
 - To supplement regulations

Need Dedicated Ag Cost Share Funding that is TARGETED



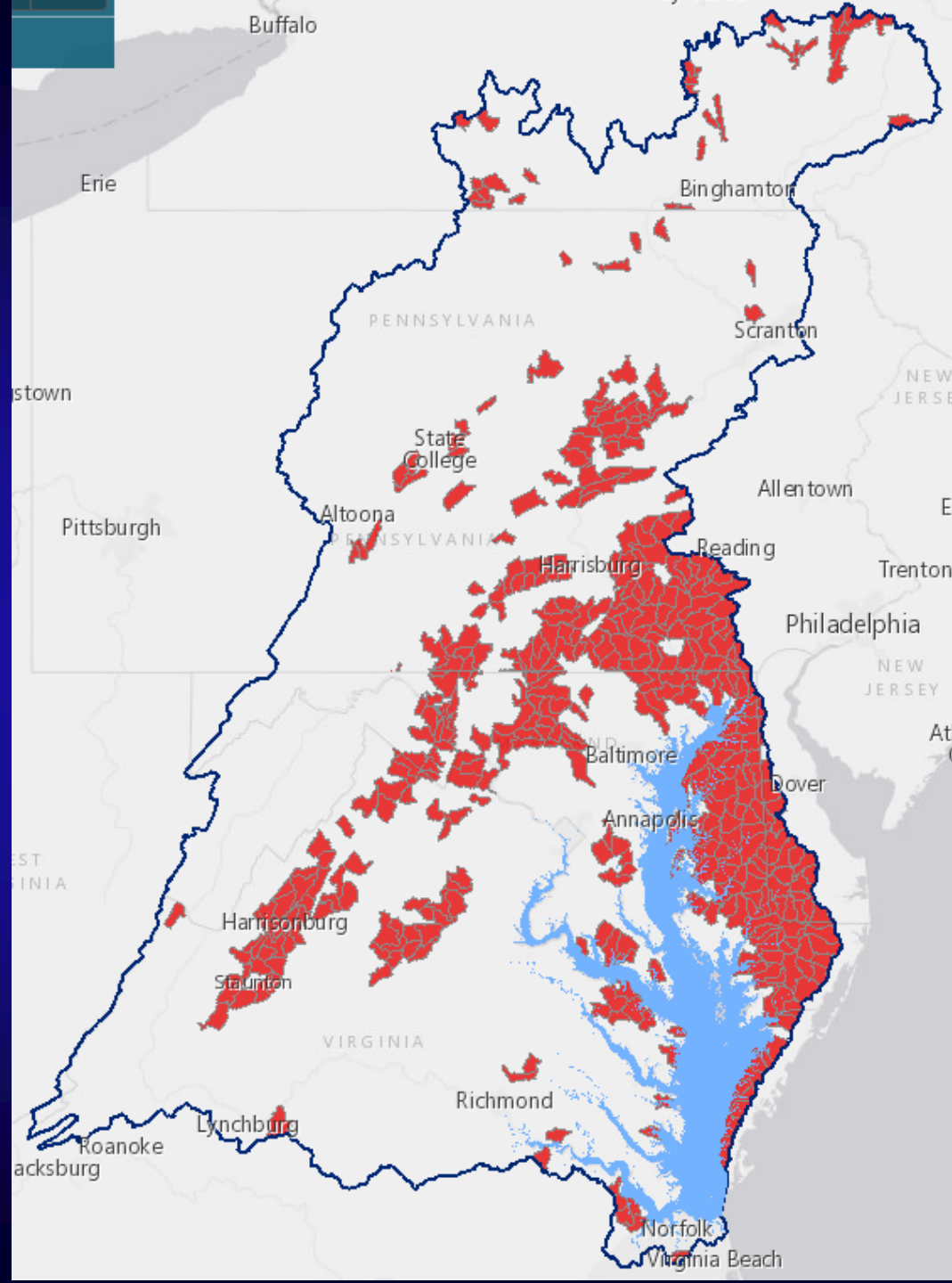
PSU study can inform
Phase III WIPs

“... results show that significant cost savings can be realized through better BMP selection and spatial targeting.”

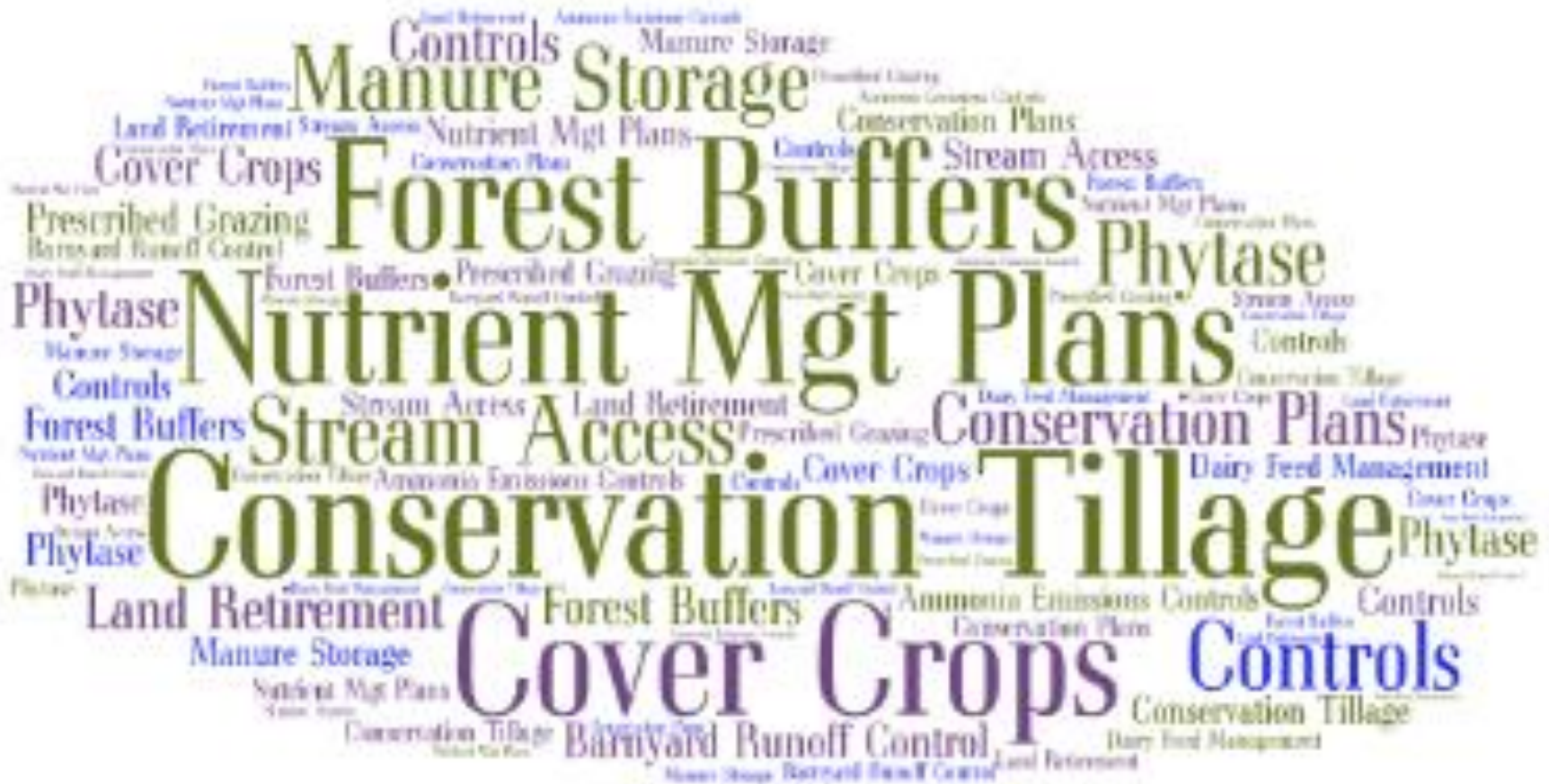
“...reductions in the tens of millions of dollars annually in nearly every state while simultaneously meeting or exceeding TMDL pollution reduction targets.”

Target Priority Ag Watersheds

- Greatest N loadings to tidal Bay.
- Target practices & Technical Assistance in these watersheds.



Target Priority Ag Practices






TA: translate practices into context of “whole farm plan”







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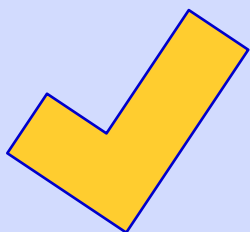



Implement Regulatory Programs & Know the Gaps

State	Coverage	Practices	Compliance
MD			
VA			
PA			



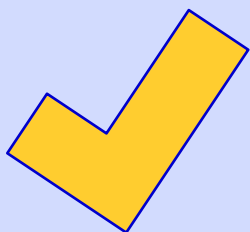


Implement Regulatory Programs & Know the Gaps

State	Coverage	Practices	Compliance
MD	Implement Nutrient Mgt Regulations: PMT, winter spreading ban, stream exclusion measures. MD Ag Cost Share.		
VA			
PA			

Implement Regulatory Programs & Know the Gaps

State	Coverage	Practices	Compliance
MD			
VA	Ramp up participation in voluntary programs and implement “Plan B” if can’t keep pace. VA Ag cost share.		
PA			

Implement Regulatory Programs & Know the Gaps

State	Coverage	Practices	Compliance
MD			
VA			
PA	Enforce regs. Launch voluntary incentive-based approaches and/or additional regs. Increase & target state ag cost share.		

Implement Voluntary, Incentive-Based Programs

How do we move producers from feeling like they “have to “do something to “wanting to do more”?’ - PA Secretary Russell Redding, 2016 PA in the Balance Conferences, paraphrased.

EPA additional funding to support ag-led and market-based efforts in FY17.

Incentive-Based Programs - Carrots

■ Financial Incentives

- VA Stream Exclusion Incentives
- MD Cover Crops Cost Share

■ Business Sense Incentives

- Good for business and local WQ
- PA No Till Alliance – Soil Health

■ Regulatory Incentives

- VA and MD Ag Certainty Programs
- MN Ag WQ Certification Program



Incentive-Based Programs – Carrot Sticks



- Build performance expectation into current business.
- Tax Credits – PA Clean & Green
- Building Permits - PA Warwick Township
- Food Supply Chain – corporate sustainability goals, consumer demand.

Ag in the Phase III WIPs – Get Local

- Local plans will clean up local waters.
- Farmers want to know what to do.
 - VA RMP – example of articulating what is needed.
- Local engagement = local planning goals = local ownership & solutions.
- Municipal/county engagement is important.
- Targeting is key – best practices in best places at best cost.

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