

Drafting The Commonwealth's Phase III Watershed Implementation Plan

*VIRGINIA'S PATH FOR RESTORING THE CHESAPEAKE
BAY AND ITS TRIBUTARIES*



Governor Northam's Goals for the Phase III WIP

- ✓ Restore the Chesapeake Bay.
- ✓ Achieve state basin planning targets for the Potomac, Rappahannock, York, and James Rivers and the Eastern Shore.
- ✓ Achieve our goals no later than December 31, 2025.
- ✓ Tackle additional pollution expected from growth.
- ✓ Tackle the impacts of climate change.
- ✓ Meet the Environmental Protection Agency's expectations.
- ✓ Continue to engage partners, including local governments, planning district/regional commissions, and soil and water conservation districts.
- ✓ Develop a plan that is practical and cost effective.
- ✓ Maximize the potential for co-benefits.

The Draft Phase III WIP – Overview of the Plan

Chapter 1. Introduction

Chapter 2. Significant Advancements
Resulting from Phase I and Phase II WIPs.

Chapter 3. Virginia's Goals for the Phase III
WIP

Chapter 4. Climate Change Mitigation
Resilience

Chapter 5. Planning Targets and Local Area
Planning Goals

Chapter 6. Phase III WIP Local Engagement

Chapter 7. State Policy Initiatives

Chapter 8. Watershed Implementation
Plans by Basin

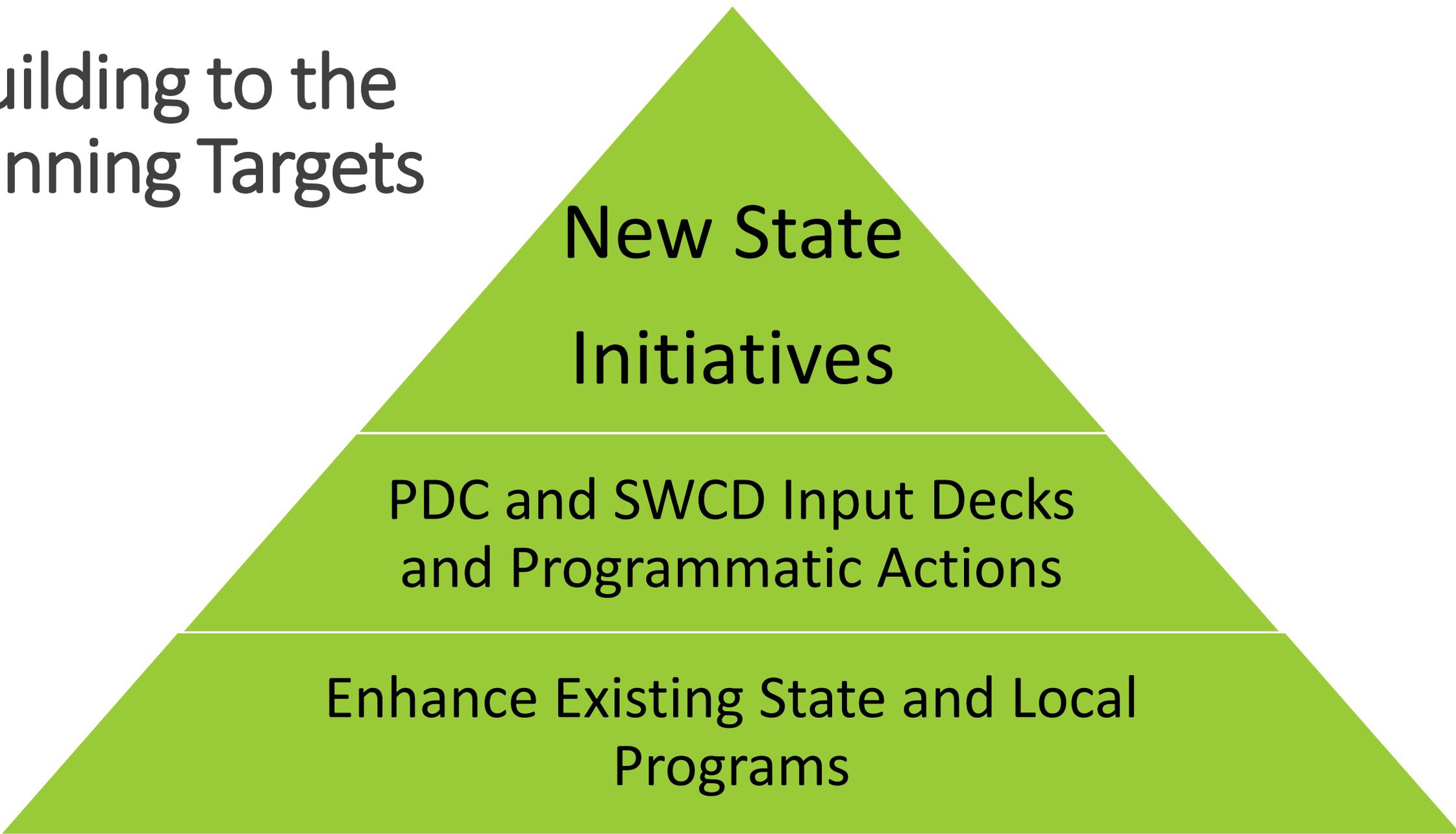
Chapter 9. Cost Estimates and Funding
Sources

Chapter 10. Next Steps to
Implementation

Chapter 11. What Can You Do?

Appendices.

Building to the Planning Targets



New State
Initiatives

PDC and SWCD Input Decks
and Programmatic Actions

Enhance Existing State and Local
Programs

The Draft Phase III WIP – Overview of New State Initiatives

Agriculture

Wastewater

Developed Lands

Septic Systems

Multiple Sectors

The Draft Phase III WIP – Overview of New State Initiatives

Agriculture

Wastewater

Developed Lands

Septic Systems

Multiple Sectors

- Update and Fully Fund the Virginia Agricultural BMP Cost Share Program; Cost Share and Technical Assistance
- Reinstate the Agricultural BMP Loan Program
- Increase Tax Credits for Agricultural BMPs and Add Technical Assistance
- Enhance Resource Management Plan Program; Pilot Long-Term Marketing Plan
- Enhance Coordination Among State and Federal Agencies Assisting Farmers
- Establish Collaborative Efforts to Document “Voluntary” BMPs

The Draft Phase III WIP – Overview of New State Initiatives

Agriculture

Wastewater

Developed Lands

Septic Systems

Multiple Sectors

- Seek 85 % Implementation of NMPs on Cropland; Pursue Legislation if Goal Unmet
- Seek NMP Certification of Contractor Applicators
- Expand Poultry Litter Transport NMP Reporting
- Pursue Legislation Establishing Deadline for Livestock Stream Exclusion
- Conduct Review of NMP Regulations, including Soil Health Benefits
- Establish Authorities for Local Governments to Set Adequate Land Area for Horses Consistent with VCE Recommendations
- Increase Grass and Forest Buffers through CREP, VEE, and other sources

The Draft Phase III WIP – Overview of New State Initiatives

Agriculture

Wastewater

Developed Lands

Septic Systems

Multiple Sectors

- Initiate Action to Achieve Additional Reductions from Significant Municipal WWTPs.

The Draft Phase III WIP – Overview of New State Initiatives

Agriculture
Wastewater
Developed Lands
Septic Systems
Multiple Sectors

- Enhance Reporting of BMP Implementation
- Fund VCAP; Fund SLAF; **Define SLAF Needs**
- Establish Long-Term Partnership with PDCs
- Expand Healthy Virginia Lawns Program
- Pilot Urban NMP for Virginia Youth
- Enhance the VDACS Certified Fertilizer Applicator Program
- Pursue Modifications to Lawn Fertilizer Sales
- Enhance DOF Presence in Urban Centers with Focus on Canopy Goals, Riparian Plantings and Community Engagement

The Draft Phase III WIP – Overview of New State Initiatives

Agriculture
Wastewater
Developed Lands
Septic Systems
Multiple Sectors

- Require Reporting of Sewer Connections by Wastewater Utilities
- Establish Wastewater Infrastructure Work Group
- Pilot Shifting Oversight of Septic Maintenance from Local Governments to Virginia Department of Health
- Designate VDH as a State Certifying Authority and Provide State Tax Exemptions
- Place Nitrogen Limits on Large Conventional Onsite Septic Systems

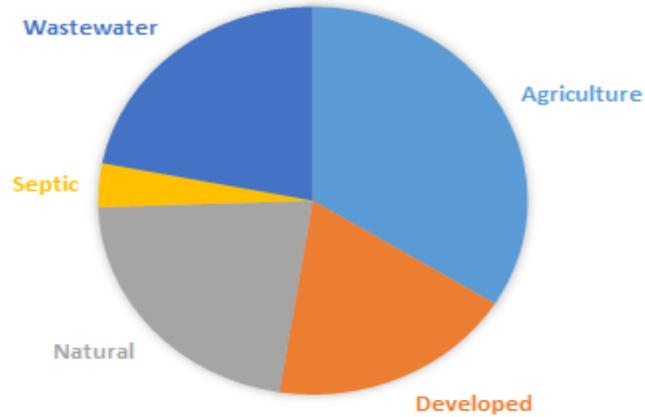
The Draft Phase III WIP – Overview of New State Initiatives

Agriculture
Wastewater
Developed Lands
Septic Systems
Multiple Sectors

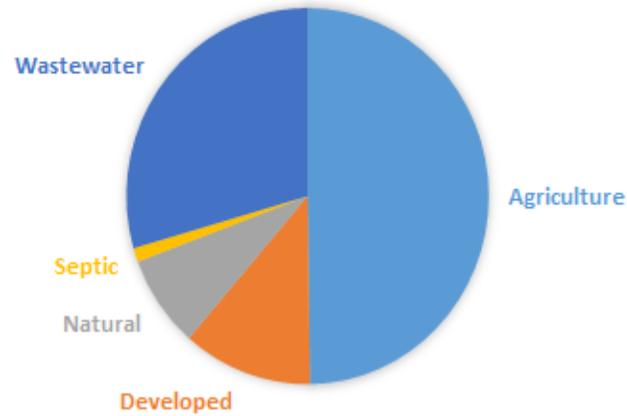
- Carbon Trading Regulations; Volkswagen Diesel Emission Mitigation Settlement
- Coastal Resilience Master Plan
- Develop a State Lands WIP
- Establish Work Group to Study Expansion of the Chesapeake Bay Preservation Act
- Support AFID Grants for Native Plant Nurseries and Oyster Aquaculture
- Implement DOF/RRBC Healthy Watershed Initiative

The Draft Phase III WIP – Overview of Reductions

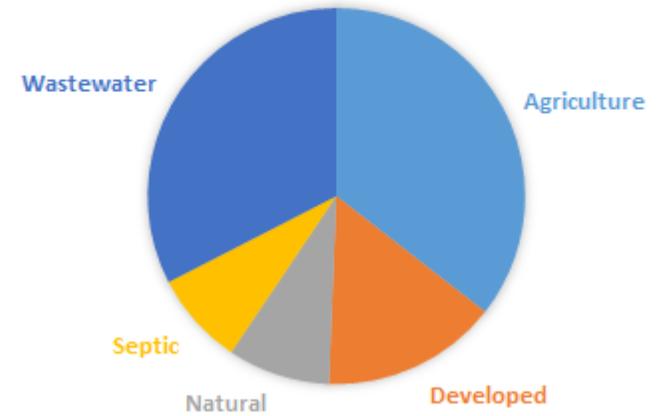
2017 N LOAD



DRAFT WIP III N REDUCTION



RELATIVE EFFORT



Basin	2017 Progress	2025 Basin Target	2017 Gap to Target	2017 Gap to Target + Climate Change
Potomac				
Nitrogen	17,109,000	16,000,000	1,109,000	1,729,000
Phosphorus	1,976,000	1,892,000	84,000	166,000
Eastern Shore				
Nitrogen	2,304,000	1,430,000	874,000	984,000
Phosphorus	174,000	164,000	10,000	15,000
Rappahannock				
Nitrogen	8,093,000	6,850,000	1,243,000	1,553,000
Phosphorus	910,000	849,000	61,000	88,000
York				
Nitrogen	6,225,000	5,520,000	705,000	905,000
Phosphorus	559,000	556,000	3,000	17,000
James				
Nitrogen	24,423,000	25,920,000	-1,497,000	-1,017,000
Phosphorus	2,503,000	2,731,000	-228,000	-169,000
Virginia				
Nitrogen	58,154,000	55,720,000	2,434,000	4,154,000
Phosphorus	6,122,000	6,192,000	-70,000	117,000

The Draft Phase III WIP – Public Comment Process

- Posting to multiple web sites including DEQ and SNR.
- Comments accepted by email and USPS from early April through June 7th.
- Two webinars -- May 13 (9 a.m. and 6 p.m.)
- Final Phase III WIP will be posted no later than August 9th on DEQ and SNR web sites.

Multiple Briefings Scheduled:

- SWCD Area Spring Meetings; VA Assoc. of SWCDs; Soil & Water Conservation Board
- Rappahannock River Basin Commission
- Watershed Roundtable Meetings
- Virginia Forestry Summit
- Associations: VWMC & CVW, VWEA

Drafting the Commonwealth's Phase III Watershed Implementation Plan
