

# Beyond Planning Targets

## Virginia's Next Steps

James Davis-Martin

Department of Environmental Quality

# Bay Program Decision Structure

## Virginia's Representation

2015 - 2017

Governor Terry McAuliffe – Chair

Secretary Molly Ward – Chair

Deputy Secretary Russ Baxter

James Davis-Martin – Chair

**Chesapeake Executive Council**

**Principals' Staff Committee**

**Management Board**

**Goal Implementation Teams**

**Sustainable Fisheries**

**Habitat**

**Water Quality**

**Maintain Healthy Watersheds**

**Fostering Chesapeake Stewardship**

**Enhance Partnering, Leadership and Management**

2018

Governor Ralph Northam

Secretary Matthew Strickler

Deputy Secretary Ann Jennings

James Davis-Martin – Co-Chair

# Virginia Major Basin Planning Targets

<b>Geography</b>	<b>Planning Target</b>	
<b>Major Basin</b>	<b>Nitrogen</b>	<b>Phosphorus</b>
Eastern Shore	1.43	0.164
James (Does not include ChIA)	25.92	2.731
Potomac	16.00	1.892
Rappahannock	6.85	0.849
York	5.52	0.556
VA	55.73	6.192

# Reductions from 2017 Progress to Planning Targets

Geography	Remaining Reductions (percent)	
	Nitrogen	Phosphorus
Major Basin		
Eastern Shore	38%	6%
James (Does not include ChIA)	-6%	-9%
Potomac	6%	4%
Rappahannock	15%	7%
York	11%	0%

# Local Area Planning Goals

- Derived from Phase 2 WIP
  - Run in new Phase 6 model
  - Run on 2025 forecasted conditions (Accounting for Growth)
- Satisfies Major Basin Planning Targets
- Developed at the Planning District Commission Scale
  - Developed Lands (non-MS4, non-federal)
  - Septic Sector
  - Natural Sector (Stream and Shoreline)
- Developed at the Soil and Water Conservation District Area Scale
  - Agriculture
  - Natural (Harvested Forest, Stream and Shoreline)

# Local Planning

- Evaluating 2017 Progress BMPs
  - Checking data reporting
  - Correcting errors and missing data
- Evaluating WIP 2 BMP Scenario
  - What has been working and what has not
- Developing WIP 3 BMP Scenario
  - Considering BMP Cost Effectiveness
  - Considering BMP Co-benefits
  - Shooting for Local Area Planning Goal loads (nitrogen)
- Developing Programmatic/Policy Recommendations
  - What is needed to see the WIP 3 scenario implemented
    - Funding and Capacity
    - Statutory Authority

# Agricultural Reductions 2017 to LAPG by Soil and Water District Area

	Nitrogen Reductions	Phosphorus Reductions
	% of Total	% of Total
<b>Agriculture</b>	<b>100%</b>	<b>100%</b>
<b>VA SWCD Area 1</b>	<b>38%</b>	<b>66%</b>
Blue Ridge SWCD	0%	0%
Headwaters SWCD	6%	13%
Lord Fairfax SWCD	9%	10%
Mountain Castles SWCD	1%	2%
Mountain SWCD	1%	2%
Natural Bridge SWCD	2%	4%
Peaks of Otter SWCD	0%	0%
Robert E. Lee SWCD	2%	2%
Shenandoah Valley SWCD	17%	34%
Skyline SWCD	0%	0%
<b>VA SWCD Area 2</b>	<b>18%</b>	<b>20%</b>
Culpeper SWCD	8%	12%
John Marshall SWCD	3%	3%
Loudoun SWCD	2%	2%
Northern Virginia SWCD	0%	0%
Prince William SWCD	0%	1%
Thomas Jefferson SWCD	4%	2%

	Nitrogen Reductions	Phosphorus Reductions
	% of Total	% of Total
<b>VA SWCD Area 3</b>	<b>32%</b>	<b>10%</b>
Colonial SWCD	2%	0%
Hanover-Caroline SWCD	5%	1%
Henricopolis SWCD	1%	0%
Monacan SWCD	2%	1%
Northern Neck SWCD	8%	0%
Peter Francisco SWCD	2%	3%
Piedmont SWCD	2%	2%
Three Rivers SWCD	8%	1%
Tidewater SWCD	2%	0%
Tri-County/City SWCD	2%	1%
<b>VA SWCD Area 6</b>	<b>12%</b>	<b>4%</b>
Appomattox River SWCD	0%	0%
Eastern Shore SWCD	9%	3%
James River SWCD	1%	0%
Peanut SWCD	2%	1%
Virginia Dare SWCD	0%	0%

# Developed/Septic Reductions 2017 to LAPG by Planning District Commission

	Nitrogen	Phosphorus	Developed Area	Septic Systems
	% of Total	% of Total	% of Total	% of Total
Accomack-Northampton	6%	4%	1.7%	2.1%
Central Shenandoah	15%	20%	10.3%	10.2%
Commonwealth	4%	4%	4.2%	4.3%
Crater	2%	2%	1.4%	1.2%
George Washington	2%	3%	7.9%	11.1%
Hampton Roads	7%	8%	6.5%	2.4%
Middle Peninsula	10%	6%	4.6%	6.2%
Northern Neck	9%	6%	3.4%	4.2%
Northern Shenandoah Valley	14%	13%	7.6%	9.9%
Northern Virginia	-3%	-1%	14.8%	9.2%
Rappahannock-Rapidan	8%	13%	8.2%	9.3%
Region 2000	5%	4%	3.5%	3.7%
Richmond Regional	12%	11%	15.7%	12.2%
Roanoke Valley-Alleghany Regional	3%	3%	2.3%	2.9%
Thomas Jefferson	5%	3%	8.0%	11.2%
<b>Grand Total</b>	<b>100%</b>	<b>100%</b>	<b>100.0%</b>	<b>100.0%</b>



# Next Steps

- Continuing Implementation and Reporting for 2018 Progress
- Continuing Implementation of Verification Protocols
- Developing Federal Agency Planning Goals
- Working with SWCDs and PDCs to refine WIP 3 BMP Scenarios
  - Considering BMP Cost Effectiveness
  - Considering BMP Co-benefits
  - Exploring Opportunities for Geographic Targeting
- Working with SWCDs and PDCs to Document Programmatic Needs