Healthy Waters, Healthy Communities
County-Level Participation in Pennsylvania’s Phase 3 Chesapeake Bay Watershed Implementation Plan
July 10, 2018

Dial-in number for audio: 1-650-479-3208
Access code: 648 890 795

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Introductions

Patrick McDonnell, Pennsylvania Environmental Protection Secretary

Nicki Kasi, Director, DEP Chesapeake Bay Program Office

Lisa Schaefer, Director of Government Relations, County Commissioners Association of Pennsylvania

Marcus Kohl, Director, DEP Northcentral Regional Office

Dan Zimmerman, Manager, Warwick Township, Lancaster County
1. Brief Overview of Phase 3 Watershed Implementation Plan Process – Secretary McDonnell
3. Customized Community Clean Water Toolbox – Lisa Schaefer
4. County Support Teams – Marcus Kohl
5. Local Planning Success Story – Dan Zimmerman
6. Q&A
What’s the Phase 3 Watershed Implementation Plan?

- Presents detailed steps to reduce nutrient and sediment pollution in local waters.
- Required to meet the pollution reduction goals set by EPA in the Chesapeake Bay Total Maximum Daily Load, or Bay TMDL.
- While your local water conservation practices can benefit your own community...
- They can also be credited toward these goals.
New Level of Collaboration on Plan Framework

Steering Committee
- Secretaries of DEP, DCNR, and PDA
- Chesapeake Bay Commission
- Workgroup Co-Chairs
- Susquehanna River Basin Commission
- State Conservation Commission – Conservation Districts
- Pennvest
- Interstate Commission on the Potomac River Basin

Workgroups
- Agriculture
- Stormwater
- Forestry
- Wastewater
- Local Area Goals
- Funding
- Communications and Local Engagement
Water Quality Story

Phosphorus Delivered to Bay with Stream Impairments & Station Trends
- Nutrients and Siltation
- Aquatic Life Assessment Category

Total Phosphorus
- High
- Low

Annual Flow Normalized Yields Conestoga

- TN
- TP
- SS

Degrading
Improving

Localized at County Level

From SRBC
Where Should Efforts Be Targeted?

Tier 1 - First 25% of Reductions
Tier 2 - Second 25% of Reductions
Tier 3 - Third 25% of Reductions
Tier 4 - Last 25% of Reductions

Source: Matt Johnston, University of Maryland
Estimated Reductions in Lbs of Nitrogen Delivered to PA Streams as of 2016, and Additional Reductions Needed by 2025 (Numbers Draft)

- **Tier 1 (First 25% of Reductions)**
- **Tier 2 (Second 25% of Reductions)**
- **Tier 3 (Third 25% of Reductions)**
- **Tier 4 (Final 25% of Reductions)**

**Purpose of the Phase III WIP**

- to describe programs and policies that will eliminate the green bar in each county (or geography of choice).

**Source:**

Matt Johnston, University of Maryland
Countywide Plan Development – Steps

Pennsylvania Countywide Pilot Planning Process
Phase III WIP

- Convene Countywide Action Team Members
- Identify Water Quality and Other Goals
- Identify Local Resources
- Select and Report Actions
- Implement Actions and Continue to Report Actions
Countywide Plan Development – 5 Month Process

• Month 1 and 2 –
  • Convening – Local Leaders Define Members and Process

• Month 2 and 3 –
  • Background and Information Gathering
  • Identify Local Initiatives to Add

• Month 3 and 4 –
  • Define action steps and potential reductions
  • Define Local Priorities
  • Refine Scoping Scenarios
  • Identify existing and needed resources

• Month 4 and 5 –
  • Draft Action Plan for Submittal to DEP by October

• Implementation Team Meetings
  • Follow Up Meetings as Needed as the Action Plan is Implemented
Timeline – Local Engagement

• **May through October**
  - Pilot Process in 3 to 4 counties – Lancaster, York, Franklin, Adams

• **October/November**
  - Finalize process for remaining counties based on lessons learned

• **Spring 2019**
  - Begin implementation of planning process for remaining counties

• **Continued public engagement and input**
  - Fact Sheets, Program Updates, Website
  - Forums, Regional Meetings – **May through October 2018**
  - Public Review and Comment Period on Draft WIP Plan – **April 12, 2019**

• **Final Phase 3 WIP – August 2, 2019**
• County Specific Data
• List of Resources and Contacts
• Community Outreach Tools
• Templates for Use in Completing the Action Plan
Local Initiatives

Potential progress with new and existing state agency programs + Local Initiatives

Progress from 1985 through 2016

Reductions Already Made

Permitting, Compliance and Enforcement Initiatives

Technical and Financial Assistance and Outreach Initiatives

Customized Partnership by County

Difference #3 – Recognition of importance of local engagement … “bottom up approach”

Hypothetical journey to a county goal (nitrogen)
County Support Teams

• Support Team
  • DEP Staff Person from Chesapeake Bay Office
  • Regional Office
  • Member of Technical Support Team – SRBC, ICPRB
  • Members, as needed, of the Steering Committee Workgroups

• Coordination and Implementation
  • Joe Adams, SCRO Regional Director
  • Marcus Kohl, NCRO Regional Director
  • Mike Bedrin, NERO Regional Director
Local Success Story

Santo Domingo Watershed Restoration Efforts

June 2015
1 inch = 4,285 feet

PENN TOWNSHIP
WARWICK TOWNSHIP
MANHEIM TOWNSHIP

Legend
- Municipal Boundary
- City for Watershed
- Parks
- Bridges
- Natural
- in-stream Habitat
- Conservation Reserve Enhancement Program (CREP)
- Wetlands
- Riparian Buffer
- Schools
- Farms
- Ponds with Stormwater BMPs and Wetland Creation
- Ponds with Agricultural BMPs

Proposed Stream Improvements:
- Roadside Improvements
- Proposed Ag/Bio BMPs
- Additional Wetland/Upstream Improvements
Local Success Story

Stormwater Management Facility (site & regional) - 17 acres

Warwick Township Municipal Campus Bio-basin
Questions?
Please share!
If you have further questions about Phase 3 WIP planning in your county, please contact:

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For a recording of this webinar, visit: [www.dep.pa.gov/chesapeakebay/phase3](http://www.dep.pa.gov/chesapeakebay/phase3)