



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Chesapeake Bay Program Office

Pennsylvania's Progress: Meeting Our Goal

Phase 3 WIP State Team
July 20, 2020

Tom Wolf, Governor

Patrick McDonnell, Secretary

Welcome

Secretary McDonnell, DEP

Secretary Dunn, DCNR

Secretary Redding, PDA

Agenda

- Phase 3 WIP Implementation Strategy
- Water Quality Monitoring Report
- Partners Share Progress
- Communication and Engagement
- Local Action
- Conowingo Watershed Implementation Plan Update
- Action Items and Timelines
- Public Comment

CBO Phase 3 WIP Strategic Direction

1. What is our current **PROGRESS**?
2. What are our current **CHALLENGES**?
3. How do we **MOVE FORWARD** toward successful implementation?

Programmatic Actions



- Continuing to provide support to conservation districts
- Finalization of *2020 Climate Change Impacts Assessment*
- Permitting
 - Watershed Permitting
 - SCRO holding weekly pre-app meetings with Tier 1 Counties
 - “Pennsylvanians’ Guide to Permitting Watershed Improvement Projects”
- Compliance, Inspection, and Enforcement
 - Chesapeake Bay Ag Inspection Program – Phase 2 Pilot

Reporting

- Final 2020-2021 Programmatic and Numeric Milestones were submitted to EPA
- Working with PennDOT to report BMPs
- Working on acquiring credit for practices historically not counted or not accurately counted:
 - Streams and wetlands restored through compensatory mitigation
 - Urban and non-urban stream restoration
 - Acid Mine Drainage and Abandoned Mine Land Reclamation

Data Management

- Data Tools Review Team will be finalizing the review of FieldDoc for use by counties for tracking and reporting progress
- Developing additional enhancements and features for PracticeKeeper and Model My Watershed



Water Quality Monitoring Report

Dustin Shull – DEP Bureau of Clean Water

Partner Share Progress Updates

- Name
- Role in the Phase 3 WIP
- Progress Report – Last 6 Months
- Future – Next 6 Months



Communication and Engagement

Deborah Klenotic – DEP Communications Office

Local Action

- Working with Tier 1 and Tier 2 County Coordinators on planning and implementation support, developing education and outreach materials and data and reporting tools
 - Additional information sharing and trainings through “Webinar Wednesdays”
 - Guest speakers, County updates
 - Closing the Deal, Social Skills for Social Media, Making the Connection
- DEP Regional Offices and CBO collaborating to provide outreach to Tier 3 and 4 counties



Local Partners Update Cumberland County

Elizabeth Grant – Planning Specialist

Cumberland County Planning Department

Erin Letavic, P.E. – HRG, Inc.

Clean Water Coordinator, Cumberland and Centre Counties

Conowingo WIP

- The goals of the Conowingo WIP is to reduce and additional 6 million pounds of nitrogen, due to the infill at the Conowingo Dam.
- Multi-jurisdictional approach, with Steering Committee co-chaired by Maryland and Pennsylvania
- Cost-effectiveness and sector equity are key elements
- Geographic scale primarily based in Susquehanna River Basin and nitrogen-effective basins
- Seeking Principal Staff Committee (PSC) decisions to proceed
- Draft may be released for public comment this Summer

Moving Forward



Action Items and Next Steps

2020-2021 Milestone Commitments

- 2-year Numeric and Programmatic Milestones
- Published to the CBO Website here:
 - [DEP](#) > [Businesses](#) > [Water](#) > [Pennsylvania's Chesapeake Bay Program Office](#) > Track Pennsylvania's Progress

2020-2021 Numeric Milestone Commitments

60% Reduction in Nitrogen	Best Management Practices
	Nutrient Management - Core Nitrogen
	Soil Conservation and Water Quality Plans
	Cover Crop - Rye, Normal, Drilled (Traditional)
	Cover Crop - Rye, Normal, Drilled (Traditional with Fall Nutrients)
	Tillage Management - Continuous High Residue Management (>60% Residue)
	Animal Waste Management Systems
	Grass Buffers
	Forest Buffers
	Forest Buffers with Streamside Exclusion Fencing
10-fold Increase in Implementation	Grass Buffers with Streamside Exclusion Fencing
	Prescribed Grazing
	Manure Incorporation/Injection
	Urban Stream Restoration
	Urban Nutrient Management
	Bioswales
	Grey Infrastructure - Illicit Discharge Detection and Elimination (IDDE)
Additional BMPs	Conservation Tillage (30%-60% residue)
	Wetland Restoration
	Non-urban Stream Restoration
	Land Conservation Policy

Actions Steps and Timeline

Completed –

- Finalize and release Healthy Watersheds, Healthy Communities Story Map (C&E)
- Review and finalize 2020-2021 Programmatic and Numeric Milestones (Reporting)
- EPA acceptance of PA BMP Verification Program Plan (ver. 8/2019) (Implementation and Reporting)
- Stimulate discussion and elicit support from WQGIT for joint remote sensing BMP verification project with other jurisdictions (Implementation and Reporting)
 - Chesapeake Bay Program Partnership - BMP Verification Ad Hoc committee was formed in May 2020. PA will have three primary and at least one secondary representative on this committee

Actions Steps and Timeline

Present – July 2020

- Release of PA Clean Water Tool (Data Management and Reporting)
- Selection of entity(ies) for Center for Water Quality Excellence (Implementation)
- Draft Phosphorus Index revision for Nutrient Management (Programmatic)
- Ag Inspection Program – Phase 2 Pilot (Programmatic and Implementation)
- Conservation Excellence Grant – Pilot (Implementation)
- Conowingo WIP Draft Release (Programmatic and Implementation)
- Action Leaders Quarterly Meeting and State Team Leader Semi-Annual Meeting (Implementation)
- Initiate Pennsylvania’s Agriculture Conservation Stewardship Program statewide (Implementation)

Actions Steps and Timeline

3 Months – October 2020

- Tier 3 and 4 County Outreach and initiate CAP Planning (Local Action and C&E)
- Manure Management and Ag E&S Planning Training (Programmatic and Implementation)
- MS4 Annual Reports (Data Management and Reporting)
- Stormwater BMPs implemented in various DEP and State Agency Programs (Data Management and Reporting)
- Compilation and integration of all Pennsylvania data begins for 2020 Annual Progress Reporting (Data Management and Reporting)

Actions Steps and Timeline

6 Months – January 2021

- Wastewater Plant Performance Technical Assistance (Implementation)
- Collaborate with CBP Partnership and EPA to further credit BMPs (Data Management and Reporting)
- Collaborate with CBP Partnership and EPA to establish creditable practice or combination of practices for implementation of advanced soil health strategies in the CB Watershed Modeling tools (Data Management and Reporting)
- Install additional monitoring stations on the Susquehanna River (Monitoring)
- State Agency Action Plans with nutrient reduction goals from state-owned lands (Programmatic)
- Completion of PRP/TMDL Plan Reviews for MS4s (Programmatic)

Actions Steps and Timeline

9 Months – April 2021

- Engage with other jurisdictions regarding interstate trading and cross-jurisdictional financing (e.g. Conowingo WIP)
- Investigate the potential for and implementation of short-term, low-interest, loans and other financing streams for agricultural projects
- Develop funding opportunities for turf conversion programs
- Continue to work with Tier 1 and 2 counties on CAP Implementation
- Continue to work with Tier 3 and 4 counties on CAP Development



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