



pennsylvania
DEPARTMENT OF ENVIRONMENTAL
PROTECTION



Bureau of Clean Water

Agriculture Initial Inspections Update

Ag Advisory Board
April 27, 2017

Tom Wolf, Governor

Patrick McDonnell, Acting Secretary

Agenda

- Past – Quick Overview
- Present – Restoration Strategy and Initial Ag Inspection Update
- Future – Data Management

Agriculture Initial Inspections

- Chapter 91 and Chapter 102 requirements
- Small Agricultural Operations
- Specific focus in the Chesapeake Bay Watershed

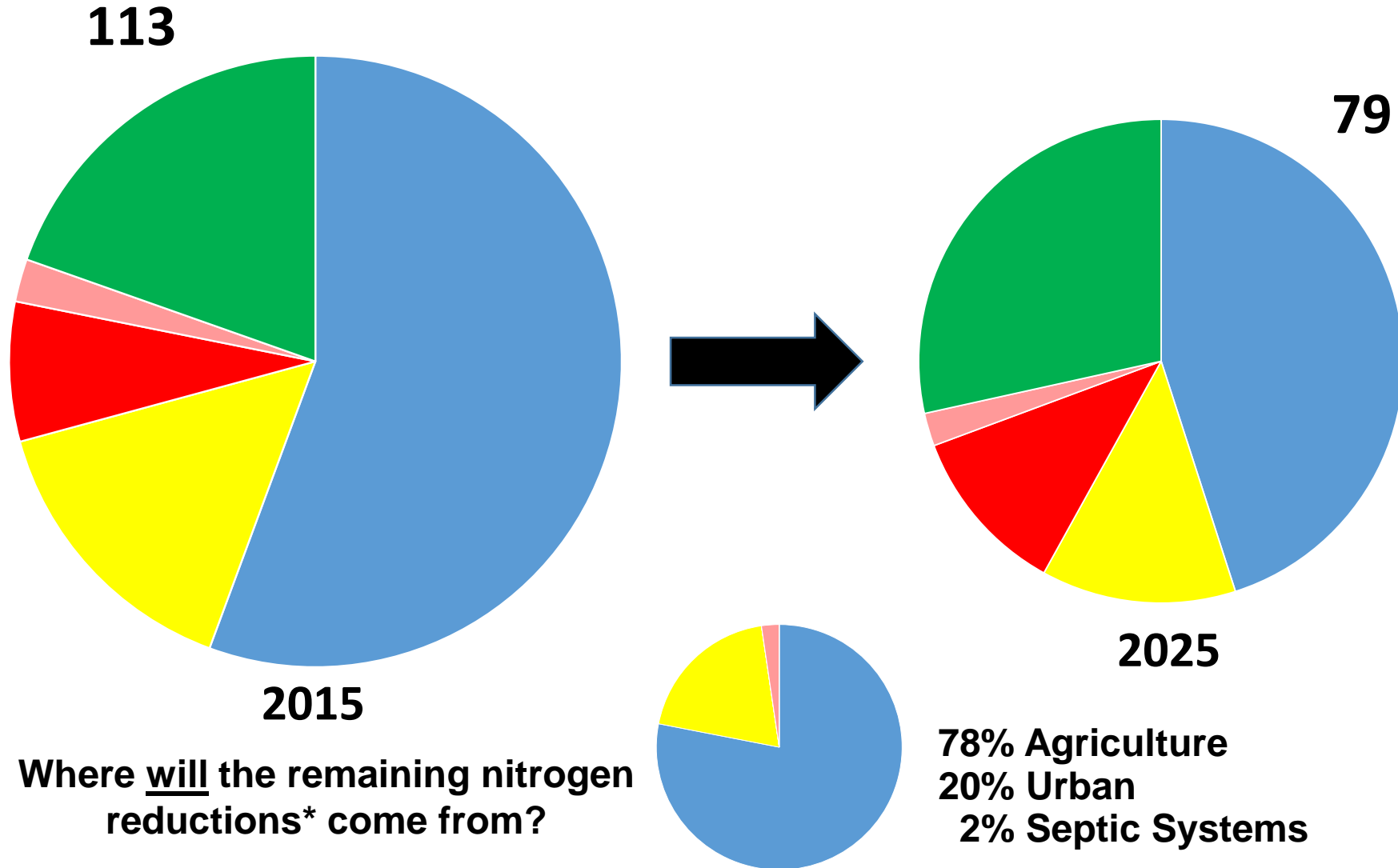
Agriculture Initial Inspections

- Chapter 91 - Manure Management Plan Requirements
- Chapter 102 - Ag E&S Requirements
- Education and Outreach
 - Education and Outreach Visits
 - Manure Management and Ag E&S Workshops
- Planning Assistance
 - Technical Assistance
 - Funding

Chesapeake Bay Watershed Pennsylvania Nitrogen Loads: 2015-2025

From Rich Batiuk, EPA

■ Agriculture ■ Urban Runoff ■ Wastewater+CSO ■ Septic ■ Forest+

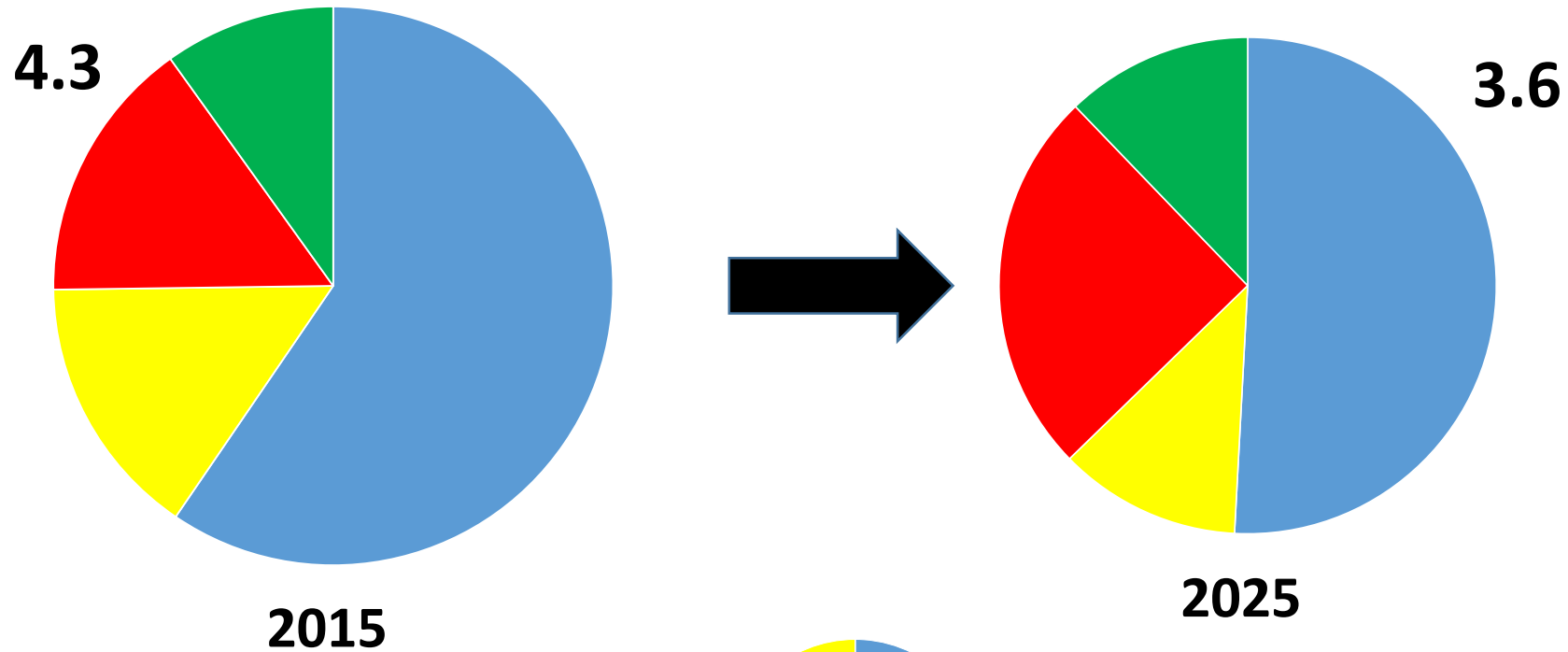


*Based on the jurisdictions' Phase II WIPs.

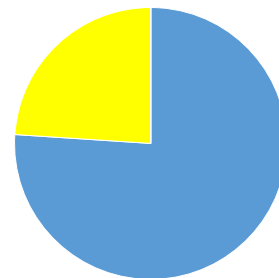
Chesapeake Bay Watershed

Pennsylvania Phosphorus Loads: 2015-2025

■ Agriculture ■ Urban Runoff ■ Wastewater+CSO ■ Forest+



Where will the remaining phosphorus reductions* come from?



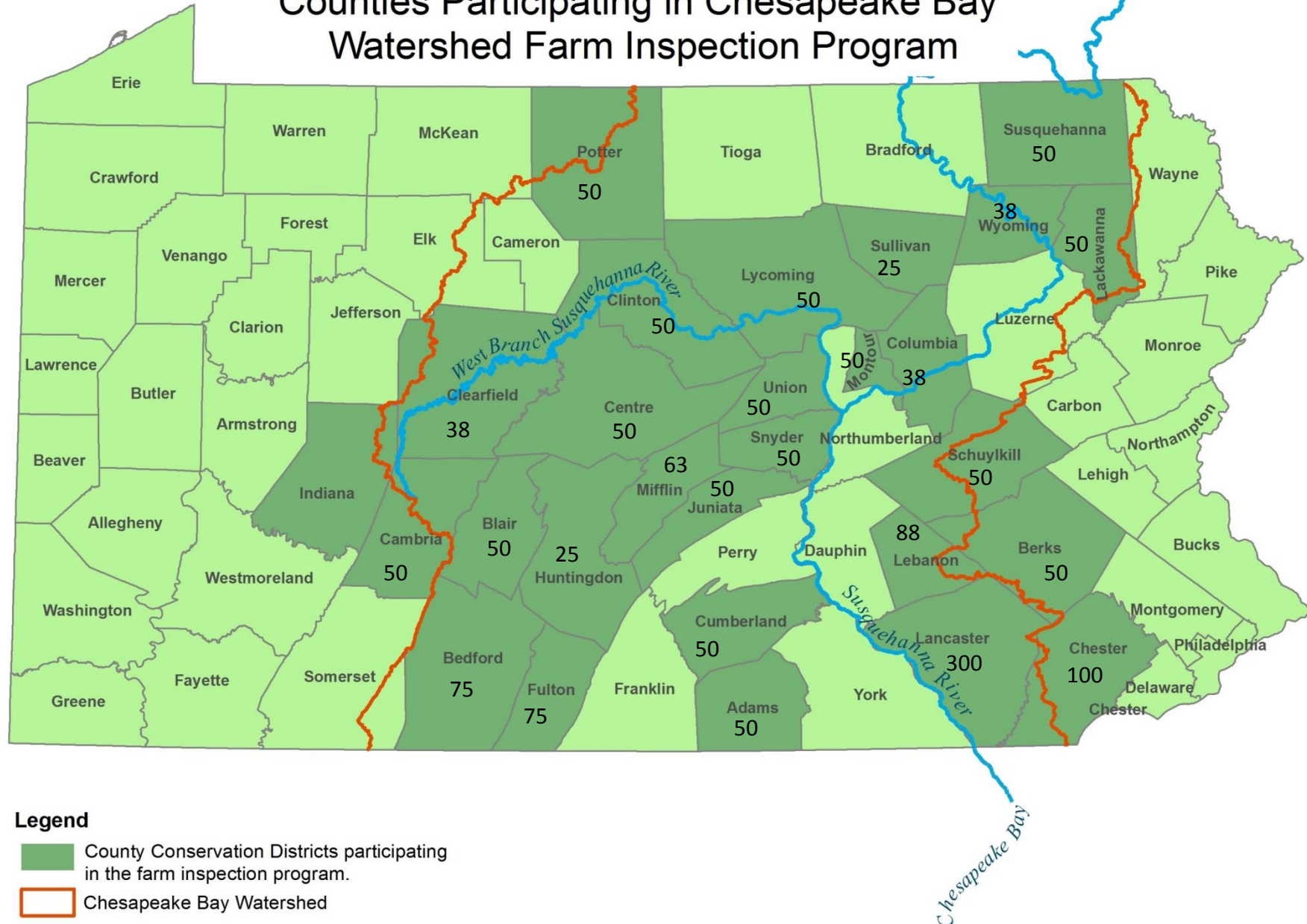
76% Agriculture
24% Urban

*Based on the jurisdictions' Phase II WIPs.

➤ Restoration Strategy: Six Elements

- 1) **Address Pollutant Reduction**
- 2) Quantify & Multiply BMPs
- 3) Improve Record-keeping
- 4) Identify Needed Changes
- 5) Establish a DEP Chesapeake Bay Office
- 6) Seek New Resources

Counties Participating in Chesapeake Bay Watershed Farm Inspection Program



Legend

- County Conservation Districts participating in the farm inspection program.
- Chesapeake Bay Watershed

➤ Agricultural Inspection Initiative

- DEP began inspections **August 29, 2016**
- Districts began inspections **October 3, 2016**
- Preliminary Results (as of December 31, 2016):
 - Over 500 Inspections Completed (29,400 + acres)
 - Over 326 by Conservation Districts
 - Over 177 by DEP

➤ Agricultural Inspection Initiative

- Pre-inspection notice
- Inspection performed by Conservation District or DEP staff
 - Time frame to achieve compliance, if non-compliant
- Follow-up activities and measures
- Referral to DEP
 - Referral is made when the inspection is completed by CD and the operation remains in non-compliance

➤ Agricultural Inspection Initiative

- Manure Management – 273 out of 326 inspected by Districts were required to have MMP
 - 195 farms reported having animals; 78 farms importing manure
 - 175 farms have administratively complete Manure Management Plan (64% initial compliance)
 - 71 farms (26% of those with planning requirement) reported using assistance to develop plans; the rest were developed by the farmer
 - 167 farms (95% of farms with planning requirement) self-reported as implementing the plan
 - 179 farms (66% of farms with planning requirement) self-reported following required application setbacks
 - 144 farms (82% of farms with planning requirement) self-reported the completion of required application records

➤ Agricultural Inspection Initiative

- Agricultural Erosion and Sediment Control (Ag E&S) Plan – 256 out of 326 inspected by Districts were required to have Ag E&S Plan
 - 155 farms (60% initial compliance) have administratively complete Ag E&S Plan
 - 148 farms (95% of those with planning requirement) reported using assistance to develop plans
 - 150 farms (97% of farms with planning requirement) self-reported as implementing the plan

➤ Agricultural Inspection Initiative

- Referrals (December 31, 2016 to April 1, 2017)
 - 11 operations were referred to DEP for follow-up enforcement action due to lack of required MMP, Ag E&S Plan, or both
 - NOVs have been sent to 6 operations

➤ Agricultural Inspection Initiative – Future

- Updating SOP and Inspection Form
 - Workgroup comprised of:
 - 4 county conservation districts (Clinton, Union, Cumberland, Lancaster);
 - 4 DEP Regional Offices (NCRO, NERO, SCRO, SERO)
 - DEP Central Office (Operations Division, Bureau of Clean Water)
- Continue on course for inspecting 10% of agricultural operations per year

Agricultural Inspection Initiative -- Future

- Worldview Development
 - Used the existing database design that was created for five Pennsylvania county conservation districts and Virginia Department of Environmental Quality
 - Submitted 2016 Progress Data Using the new Database Software
- PracticeKeeper Software Launch to ALL Districts in July, 2017
 - 6 Modules – Nutrient Management, E & S Planning, Watershed Projects, Complaints and BMPs
 - DEP staff and 9 Districts pilot testing starting now
 - Inspection Module forthcoming
- Hardware for PracticeKeeper
 - Funding Distributed for tablets for in-the-field data collection
 - Tablets will also be used for completion of inspections



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