



Restoring the Chesapeake


One Agreement at a Time

Chesapeake Bay quarterly meeting
Washington, D.C.
May 7, 2015

Ann Swanson
Executive Director
Chesapeake Bay Commission

EARLY HISTORY

The Chesapeake Bay Restoration A History of Key Events

- 
- 1960s-70s Visible decline in Bay resources
 - 1967 Chesapeake Bay Foundation established
 - 1976-1982 EPA conducts 5-year Bay study
 - 1980 Chesapeake Bay Commission established
 - 1983 **First Bay Agreement** - Bay Program created
 - 1987 **Second Bay Agreement** – Accountability
 - 1992 Amendments to Agreement – Tributary Strategies
 - 2000 **Third Bay Agreement** – Water Quality & Focus

2000

CHESAPEAKE BAY PROGRAM “born”

Governor of MD



Governor of VA



Governor of PA



Executive Council



EPA Administrator



Chair of Chesapeake
Bay Commission



Mayor of DC



VIRGINIA



Major Environmental Legislation 1983-1987

- Water and Sewer Assistance Authority ('86)
- Water Facilities Revolving Fund ('86)
- Erosion and Sediment Control ('86)
- Phosphate Detergent Ban ('87)
- Dredged Material a Priority for Beach Nourishment ('87)

PENNSYLVANIA



Major Environmental Legislation 1983-1987

ALREADY IN PLACE:

- Clean and Green Program
- Agricultural Areas Act
- Clean Streams Law
- Sewage Facilities Act
- Stormwater Facilities Act

NEW:

- Agricultural Non-point Source Abatement Program
- Agricultural Cost-Share Program (targeted 6 lower Susquehanna River Basin counties)

MARYLAND



Major Environmental Legislation 1983-1987

- Critical Areas ('84)
- Phosphate Detergent Ban ('85)
- Sediment & Erosion Control ('80, '84)
- Stormwater Control Act ('82-'86)
- Rockfish Moratorium ('85)
- Chesapeake Bay Trust ('85)
- Chesapeake Bay Fishing License ('85)

EVOLVING POLICY HISTORY

1960s



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2000

VIRGINIA



Major Environmental Legislation 1988-1999

- Chesapeake Bay Preservation Act ('88)
- Pop. Growth & Devpmt. Commission ('89)
- Striped Bass Moratorium (89)
- Ag Equipment Tax Credit ('90)
- Wetlands Enforcement ('90)
- Oil Spill Liability ('91)
- Chesapeake Bay License Plate ('92)
- Forestry Water Quality Law ('93)
- Nutrient Mgmt. Certification ('94)
- Blue Crab Fishery Mgmt Plan ('95)
- Agricultural Stewardship Act ('96)
- Ag BMP Tax Credit ('96)
- Water Quality Improvement Act ('97)
- Poultry Waste Mgmt. Act ('99)
- Land Conservation Fndn. & Fund ('99)

PENNSYLVANIA



Major Environmental Legislation 1988-1999

- Phosphate Detergent Ban ('89)
- Farmland Preservation Program ('89)
- Agricultural Nutrient Management ('93)
- Environmental Education ('93)
- Brownfields Program ('95)
- Clean & Green ('99)
- Growing Greener I ('99)

MARYLAND



Major Environmental Legislation 1988-1999

- Striped Bass Mgmt. ('88)
- Agricultural Nutrient Management ('88)
- Sewage Treatment Plant Compliance ('90)
- Chesapeake Bay License Plate Fund ('90)
- Oil Spill Liability ('90)
- Forest Conservation ('91)
- Recreational Boat Pollution ('92, '94, '99)
- Brown Fields ('97)
- Smart Growth ('97)
- Rural Legacy ('97)
- Prohibition Hydraulic Clam Dredging ('98)
- Animal Waste Technology Fund ('99)
- Blue Crab Targets and Thresholds ('99)

Major Federal Policies Following 1983 & 1987 Bay Agreements

1983-2000




and much more...

- Clean Water Act –
 - Reauthorization of Bay Program
- Striped Bass Management
- Recreational Boating
- Ballast Water
- Farm Bill
- Establishment of Federal Offices
 - EPA
 - NOAA
 - Forest Service
 - National Park Service
- Recreational Boat Pump-out
- Appropriations
 - EPA
 - USFWS
 - USDA

MORE POLICY HISTORY

The Chesapeake Bay Restoration A History of Key Events

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 - 1983 [First Bay Agreement](#) - Bay Program created
 - 1987 [Second Bay Agreement](#) – WQ Goals
 - 1992 Amendments to Agreement – Tributary Strategies
 - 2000 [Third Bay Agreement \(C2K\)](#) – Precursor to TMDL
 - 2008 Water Quality Impairments Acknowledged
 - 2010 Chesapeake Bay TMDL established

2011

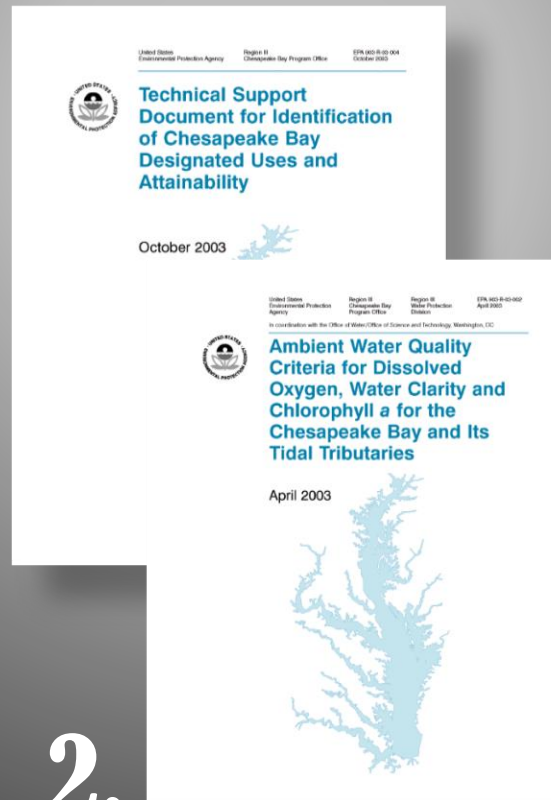
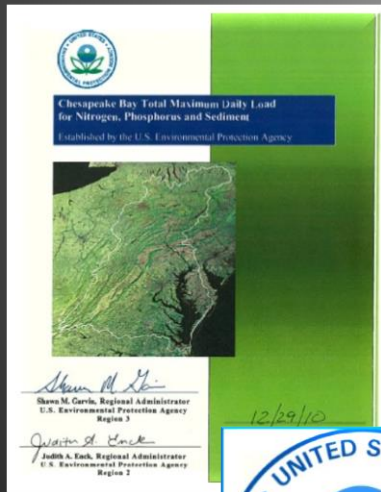
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C2K Game Changers

Threat of Regulatory
Bay-wide TMDL

Water Quality
Standards

Rising Costs &
Recession



1.

2.

3.

TMDL applies
WATERSHED-WIDE

4. C2K
begins to bring
in the
headwater
states:

- ✓ New York
- ✓ Delaware
- ✓ West Virginia



Legislation Post C2K (2000-2010)

Virginia

- Land Preservation Tax Credit ('00)
- Stormwater Program Consolidation ('05)
- Nut. Credit Exchange ('05)
- Major Point Source Upgrades ('05)
- Crab Dredging Ban ('08)
- Phosphate Detergent Ban ('08)

Pennsylvania

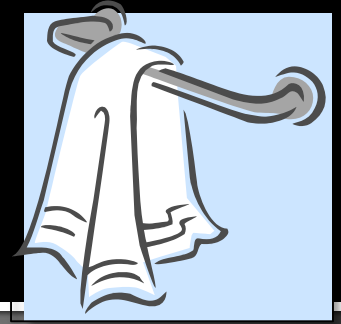
- MPC Omnibus Amdts. ('00)
- Growing Greener ('02)
- Chesapeake Bay Watershed Education Program ('04)
- Water & Wastewater Treatment Bond ('04)
- Manure Hauler & Broker Certification ('04)
- Growing Greener II ('05)
- REAP (Ag. Trans. Tax Credit) ('07)
- Phosphate Detergent Ban (08)
- H₂O PA ('08)

Maryland

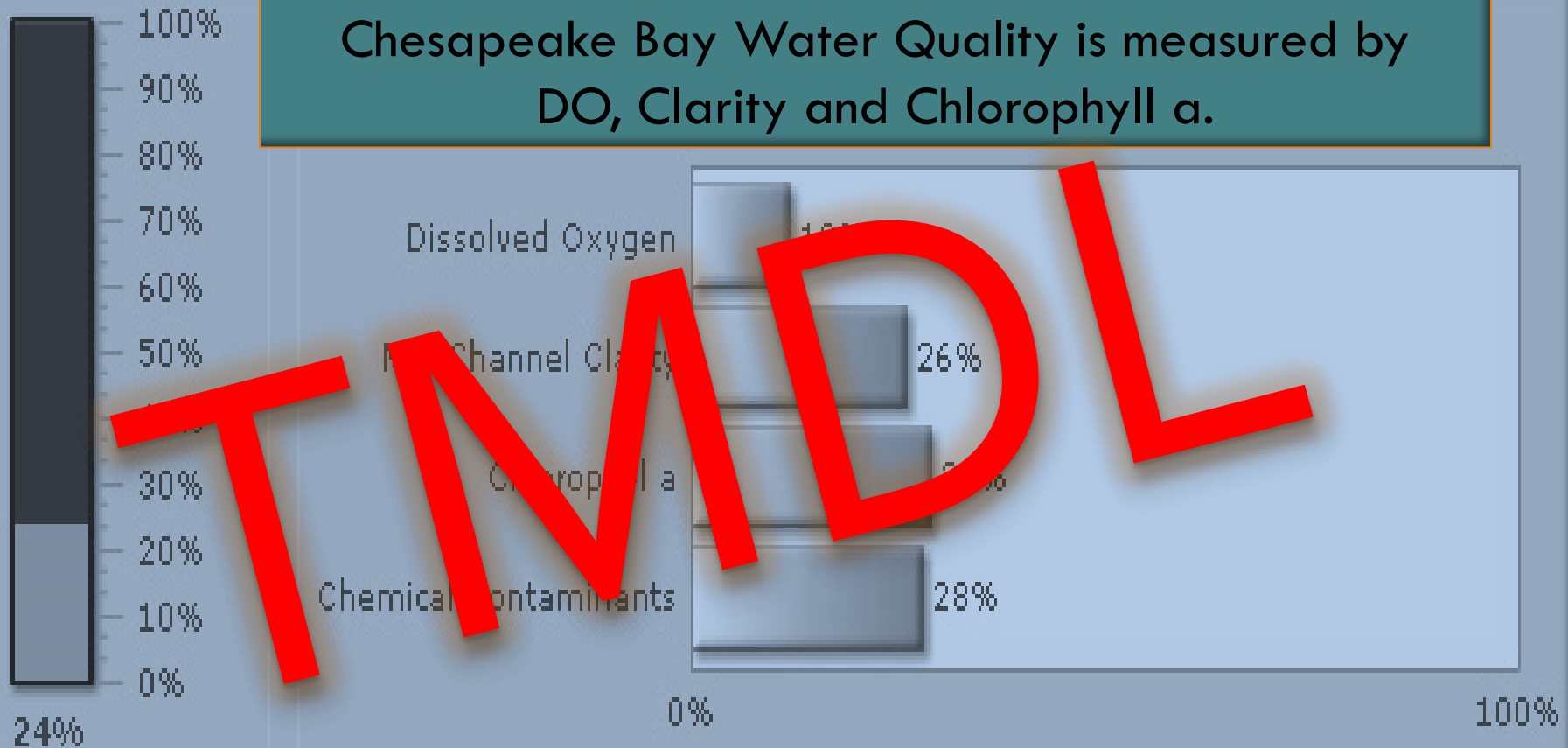
- Green Print ('01)
- Intro Non-native Species ('01)
- Smart Growth ('01)
- Bay Restoration Fund('04)
- P Detergent Ban ('06)
- Chesapeake and Coastal Bay Trust Fund ('07)
- Stormwater Mgmt('07)
- Clean Cars ('07)
- Forest Preservation Act (08)
- Living Shorelines ('08)
- Septic Tanks ('09)

2008 WATER QUALITY:

Inadequate by any measure



Chesapeake Bay Water Quality is measured by
DO, Clarity and Chlorophyll a.

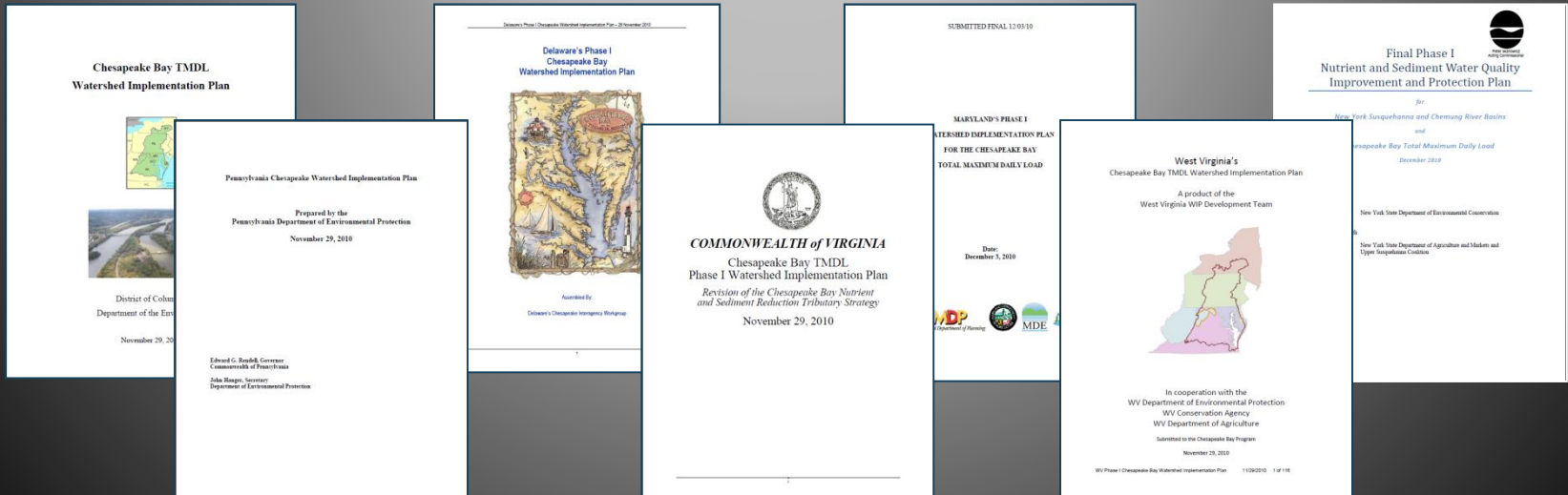
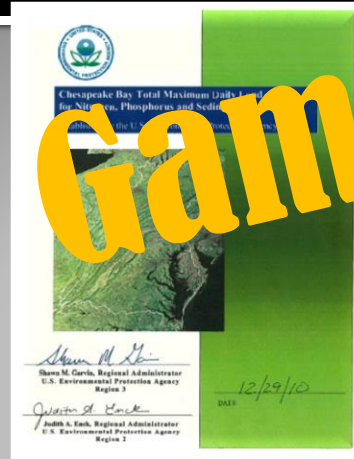


Watershed Implementation Plans (WIPs):

Game Changer

Two-year Milestones
measure progress

*Balancing
effectiveness with
equity, verification
and affordability.*



AGRICULTURE

VA Resource Mgmt. Planning ('11)
VA BMP Tax Credit Refund ('11)
MD Animal Waste Technology Fund ('12)
MD Nutrient Management Regs ('12)
MD Ag Certainty ('13)
MD Phosphorus Mgmt. Tool ('15)
PA Manure Management Update ('11)

SEPTICS

VA Alt On-Site Sewage Systems ('11)
VA Local Loan Pgm. Authorization ('13)
MD Sust. Growth & Ag Preservation ('12)
MD Bay Rest'n Fund Expansion ('14)

Post-TMDL: Legislation Zeroes in on Water

WASTEWATER


VA Nutrient Upgrade Bonds ('13)
MD Bay Restoration Fund ('12)
MD P-ban Comm. Dish Detergent ('11)

STORMWATER

VA Lawn Fertilizer ('11, '12)
VA Local SW Assistance Fund ('13)
VA SW Programs Consolidation ('13)
MD Bay Restoration Fund ('12)
MD Stormwater Utilities ('12, '15)
MD Lawn Fertilizer ('11)
PA Stormwater Authorities ('13)
PA MS4 Permit Updates ('11)

1960s

The Chesapeake Bay Restoration : A 50-Year History with a future

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 - 2014 **Fourth Bay Agreement** – Measurable & Flexible
 - 2017 60% of TMDL implemented
 - 2025 TMDL practices fully implemented

2025

2014 Agreement By The Numbers

9 Signatories

10 Goals

31 Outcomes

1800 Local
Governments

17.5 m
residents

2017/2025



What's New?

FOCUS

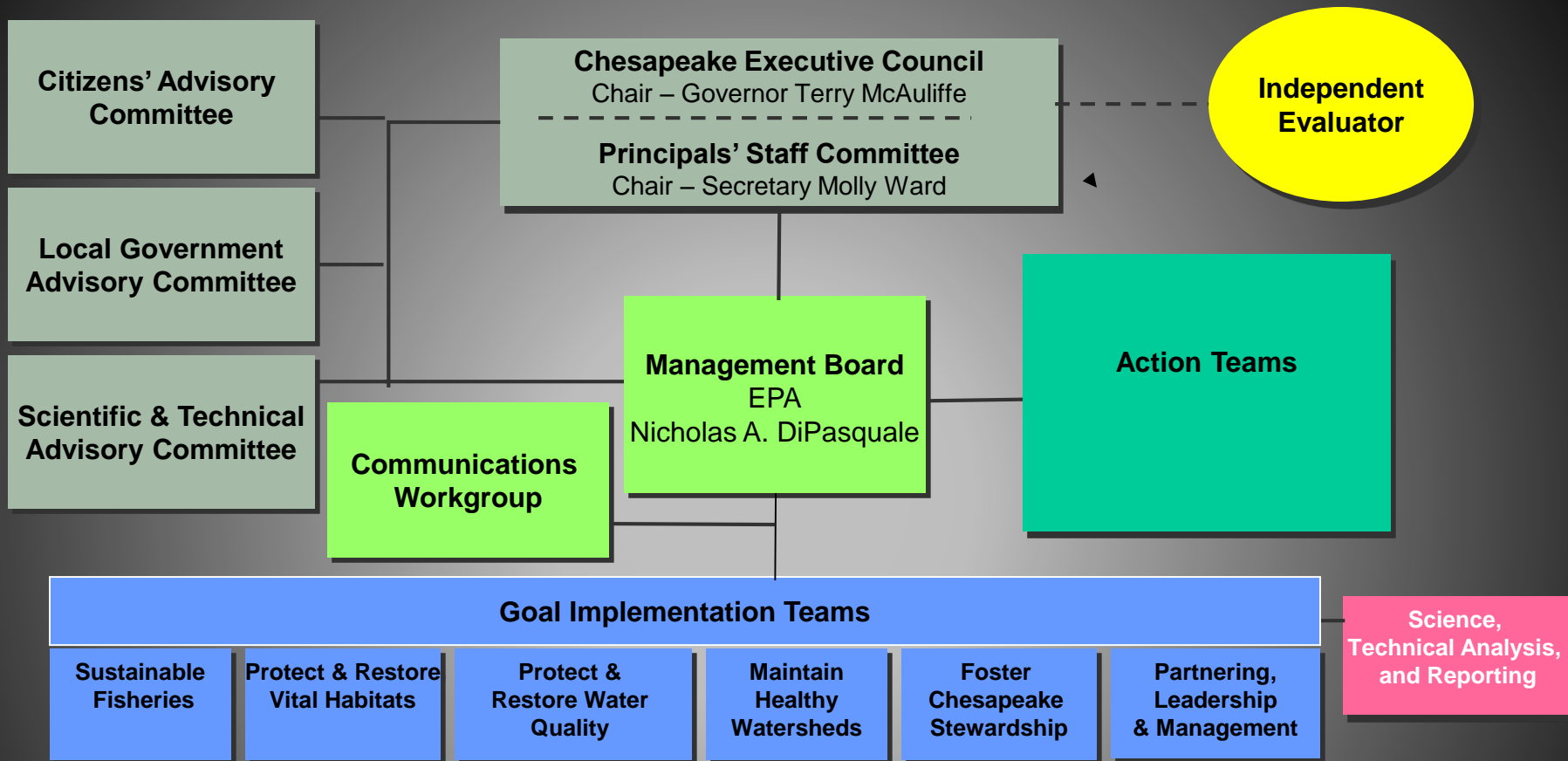
- Climate Resiliency
- Local Government
- Diversity
- Environmental Literacy

THEMES

- The Do-able
- Management Strategies
- 2-year Incremental Achievement
- Adaptive Management



CBP Organizational Structure



CHESAPEAKE BAY COMMISSION LEADERSHIP

As a signatory to the 2014 Bay Agreement, the CBC is represented at all levels of the Chesapeake Bay Program and is a participant in the development of all Management Strategies.

What is CBC's Role?



CBC has "signed-on" to every outcome

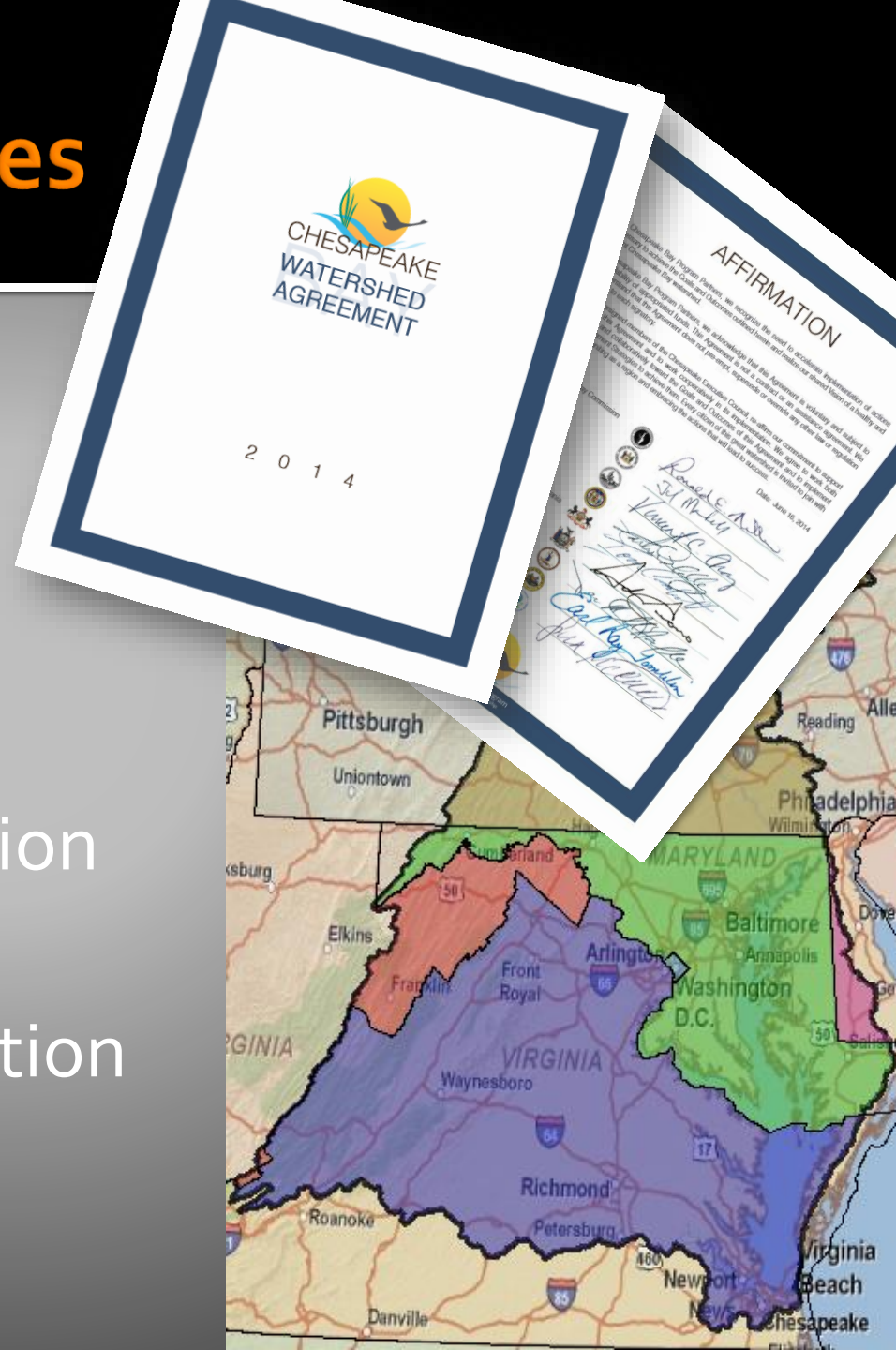
Statement Adopted January 2014:

"As a tri-state legislative commission, functioning as the legislative arm of the Chesapeake Bay Program, the Chesapeake Bay Commission will work collaboratively with Bay Program partners to identify legislative, budgetary and policy needs to advance the goals of the Chesapeake Bay Agreement. We will, in turn, pursue action within our member state General Assemblies and the United States Congress."



CBC MS Priorities

- 2017 and 2025 WIPs
- Riparian Forest Buffers
- Healthy Watersheds
- Protected Lands
- Land Use Trends Evaluation
- Local Leadership
- Toxics Policy and Prevention
- Blue Crab Management



CHESAPEAKE BAY: It's about protecting home



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