



Restoring the Chesapeake


One Agreement at a Time

CAC-LGAC Joint Meeting
Harrisburg, PA
May 21, 2015

Marel King
Pennsylvania 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



Chesapeake Bay Program

EPA Administrator



Chair of Chesapeake
Bay Commission



Mayor of DC



EVOLVING POLICY HISTORY

1960s




The Chesapeake Bay Restoration A History of Key Events

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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

1960s

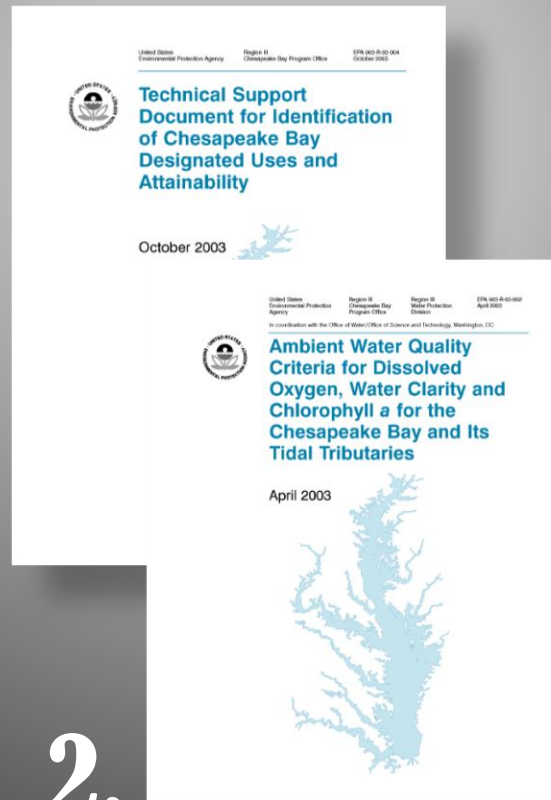
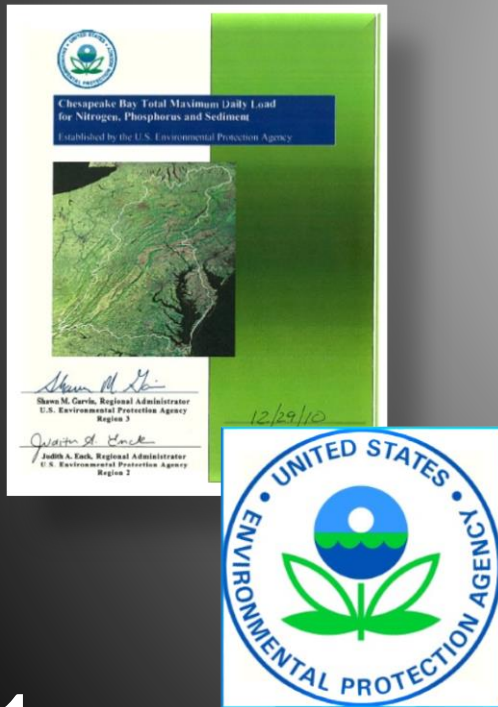
2011

C2K Game Changers

Threat of Regulatory
Bay-wide TMDL

Water Quality
Standards

Rising Costs &
Recession



1.

2.

3.

TMDL applies
WATERSHED-WIDE

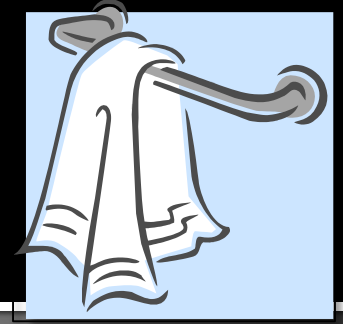
C2K begins to
bring in the
headwater
states:

- ✓ New York
- ✓ Delaware
- ✓ West Virginia

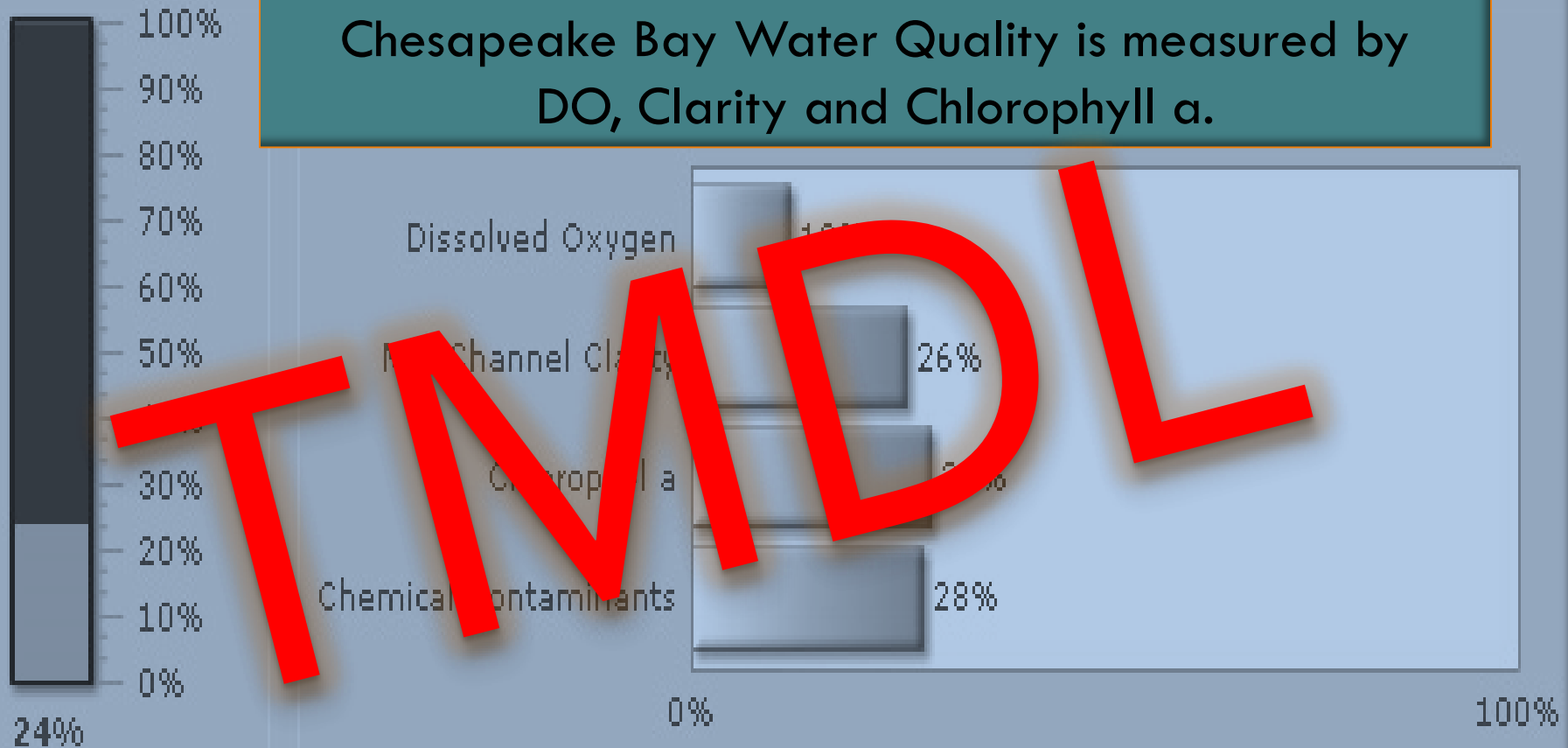


2008 WATER QUALITY:

Inadequate by any measure



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



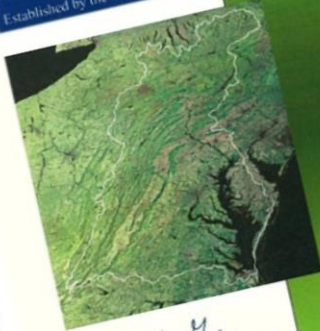
Post-C2K

2K Game Changers



Chesapeake Bay Total Maximum Daily Load
for Nitrogen, Phosphorus and Sediment

Established by the



Shawn M. Garvin, Regional Administrator
U.S. Environmental Protection Agency
Region 3

Judith A. Enck
Judith A. Enck, Regional Administrator
U.S. Environmental Protection Agency
Region 2



ACHIEVING NUTRIENT AND SEDIMENT RED
IN THE CHESAPEAKE



An Evaluation of Program Strategies

GAO

United States Government Accountability Office
Report to Congressional Committees

September 2011

CHESAPEAKE BAY
Restoration
Feed

Restoration Effort
Needs Common
Federal and State
Goals and Assessment
Approach

U.S. Government Accountability Office
GAO


GAO

YEARS

1921-2011
75 • BELLEVILLE

1960s

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

- 
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 - 2008 Water Quality Impairments Acknowledged
 - 2010 Chesapeake Bay **TMDL** established
 - 2014 **Fourth Bay Agreement** – Measurable & Flexible
 - 2017 60% of TMDL implemented
 - 2025 TMDL practices fully implemented

2025

2014 Agreement

THEMES

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



2014 Agreement By The Numbers

9 Signatories

10 Goals

31 Outcomes

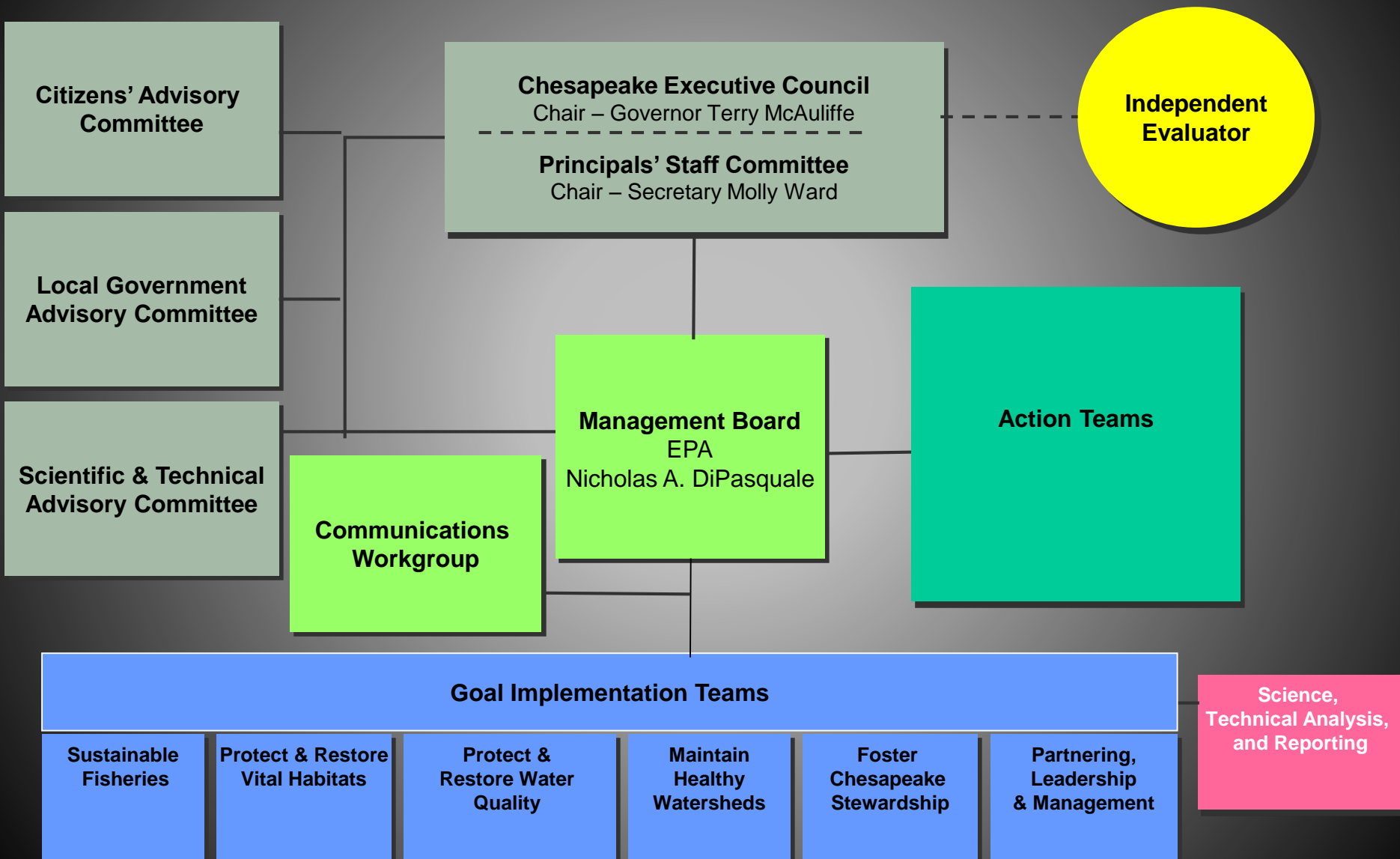
1800 Local
Governments

17.5 m
residents

2017/2025



CBP Organizational Structure





The Chesapeake Bay Program

A Watershed PARTNERSHIP

Signatories

Chesapeake Bay Commission
Commonwealth of Pennsylvania
Commonwealth of Virginia
District of Columbia
State of Maryland
U.S. Environmental Protection Agency
State of Delaware
State of New York
State of West Virginia

Federal Agency Partners

U.S. Department of Agriculture (USDA)
U.S. Department of Commerce
U.S. Department of Defense (DOD)
U.S. Department of Education
U.S. Department of the Interior
U.S. Department of Transportation
U.S. Postal Service (USPS)
U.S. General Services Administration (GSA)
National Aeronautics and Space Administration (NASA)
National Capital Planning Commission

Academic Partners

Academy of Natural Sciences
Chesapeake Research Consortium (CRC)
College of William and Mary
Cornell Cooperative Extension (New York)
Old Dominion University (ODU)
Pennsylvania State University (Penn State)
Smithsonian Institution

University of Delaware Cooperative Extension
University of the District of Columbia (UDC)
University of Maryland
University of Pennsylvania
University of Virginia (UVa)
Virginia Polytechnic Institute and State University (Va Tech)
West Virginia University

Other Partners

Alliance for the Chesapeake Bay (ACB)
American Forests
Anacostia Watershed Society
Center for Chesapeake Communities (CCC)
Center for Watershed Protection (CWP)
Chesapeake Bay Foundation (CBF)
Chesapeake Bay Trust
Consortium for International Earth Science Information Network
Ducks Unlimited
Ecosystem Solutions
International City/County Management Association
Local Government Environmental Assistance Network (LGEAN)
Interstate Commission on the Potomac River Basin (ICPRB)
Low Impact Development Center
Metropolitan Washington Council of Government (MWCOG)
Montgomery County Environmental Protection
National Fish and Wildlife Foundation
Potomac Conservancy
Susquehanna River Basin Commission (SRBC)
Upper Susquehanna Coalition
World Resources Institute

Thank you!

Any questions?

Marel King
Pennsylvania Director
Chesapeake Bay Commission
c/o Senate of Pennsylvania
G-05 North Office Building
Harrisburg, PA 17120
717-772-3651
mking@chesbay.us



Chesapeake Bay Commission
Policy for the Bay