



Pennsylvania & the Chesapeake Bay TMDL

JOINT HEARING
SENATE AGRICULTURE & RURAL AFFAIRS COMMITTEE
SENATE ENVIRONMENTAL RESOURCES & ENERGY COMMITTEE

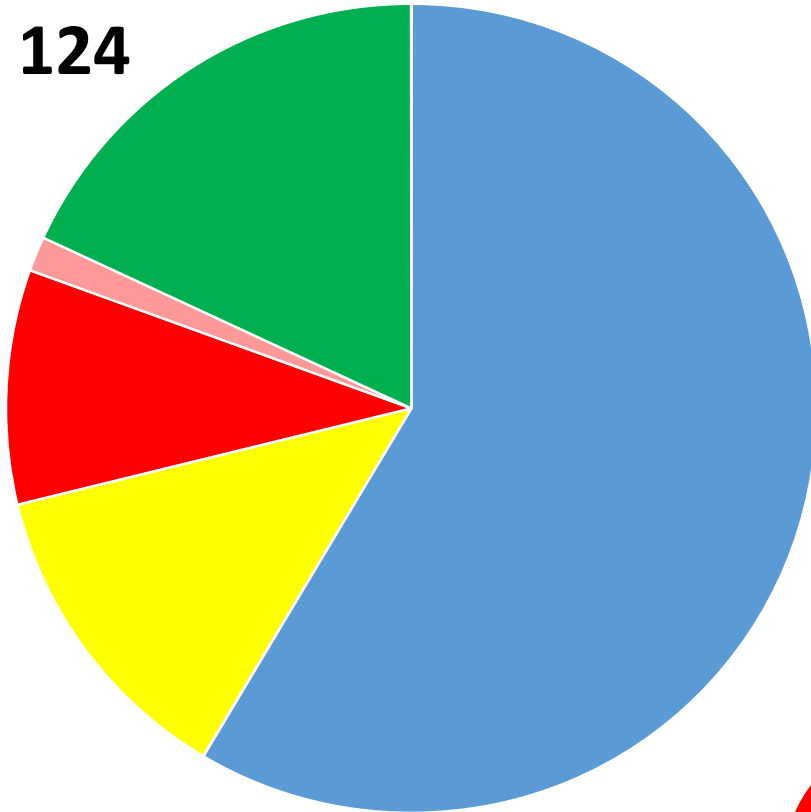
OCTOBER 18, 2016

ANN SWANSON, EXECUTIVE DIRECTOR
MAREL KING, PENNSYLVANIA DIRECTOR
CHESAPEAKE BAY COMMISSION

Pennsylvania Nitrogen Loads: 1985-2015

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

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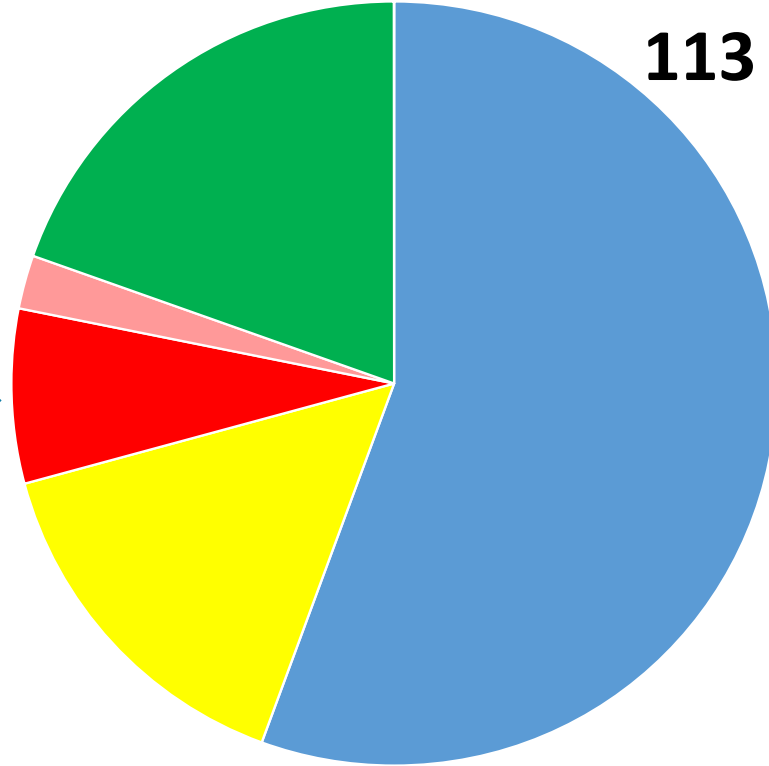


1985

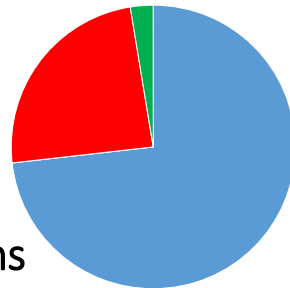
Where did the Nitrogen reductions come from?



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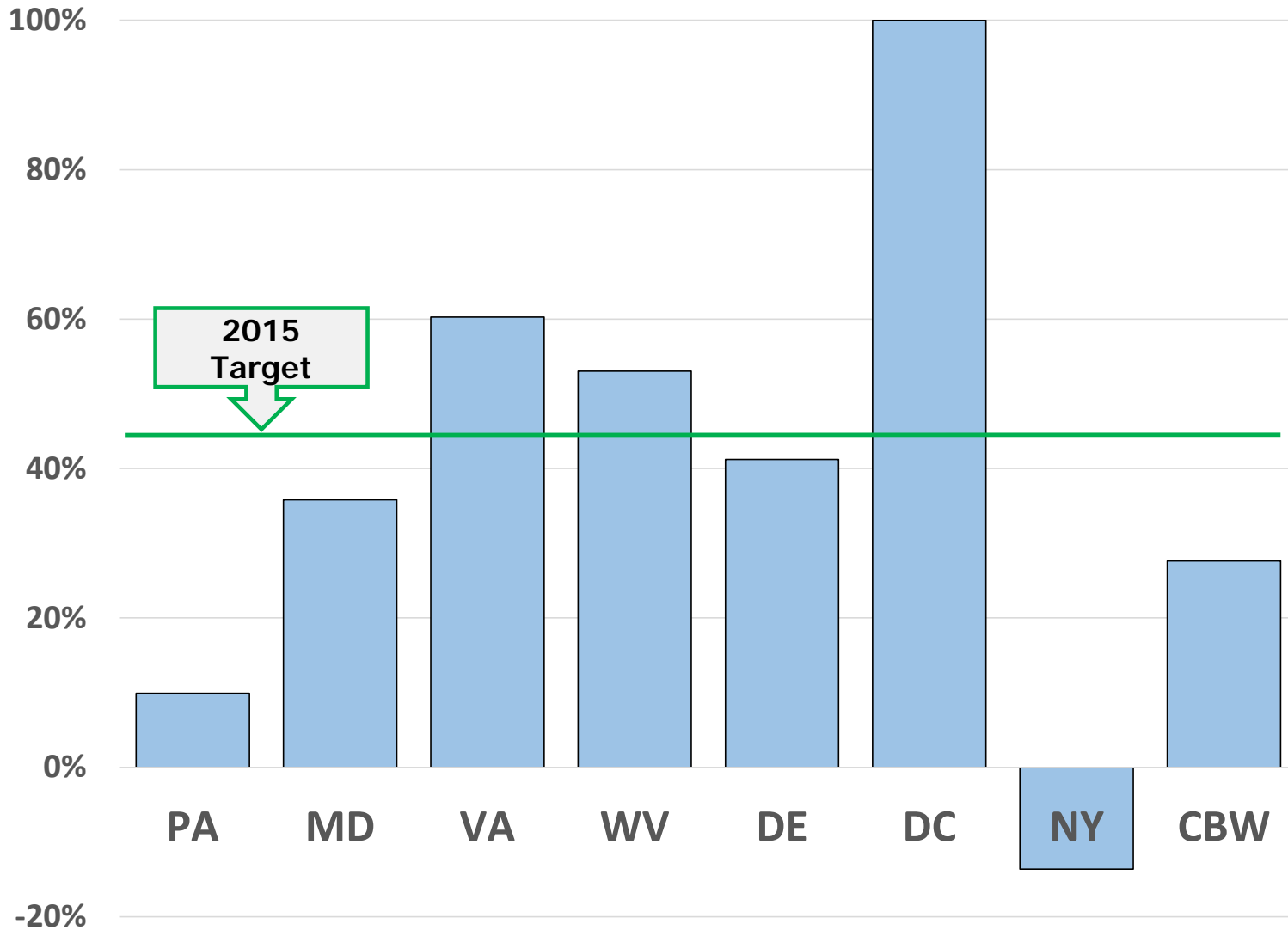
2015



73% Agriculture
24% Wastewater
3% Forest



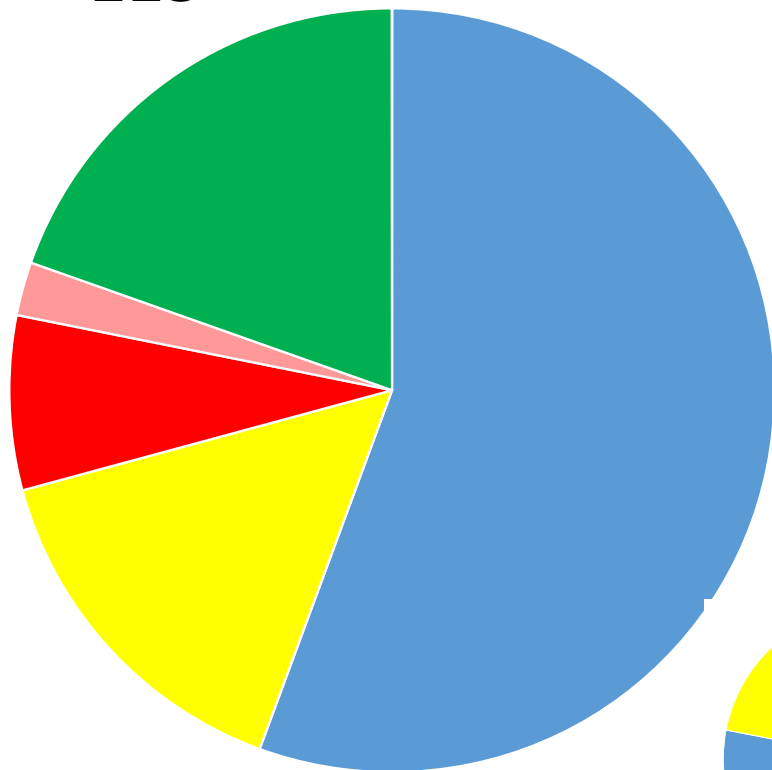
Percent of Nitrogen Goal Achieved



Pennsylvania Nitrogen Loads: 2015-2025

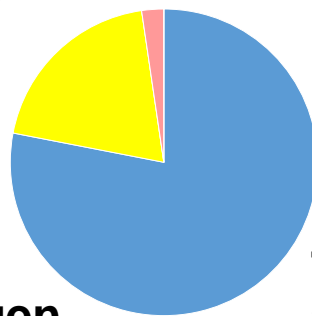
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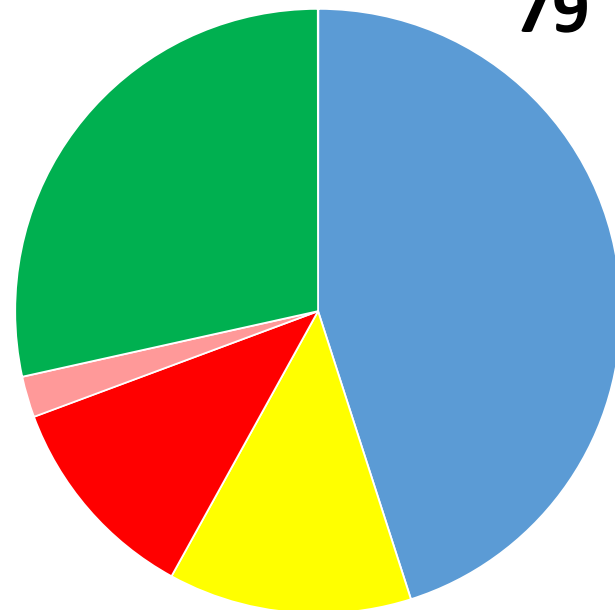
2015

Where will the remaining nitrogen reductions* come from?



78% Agriculture
20% Urban
2% Septic Systems

79

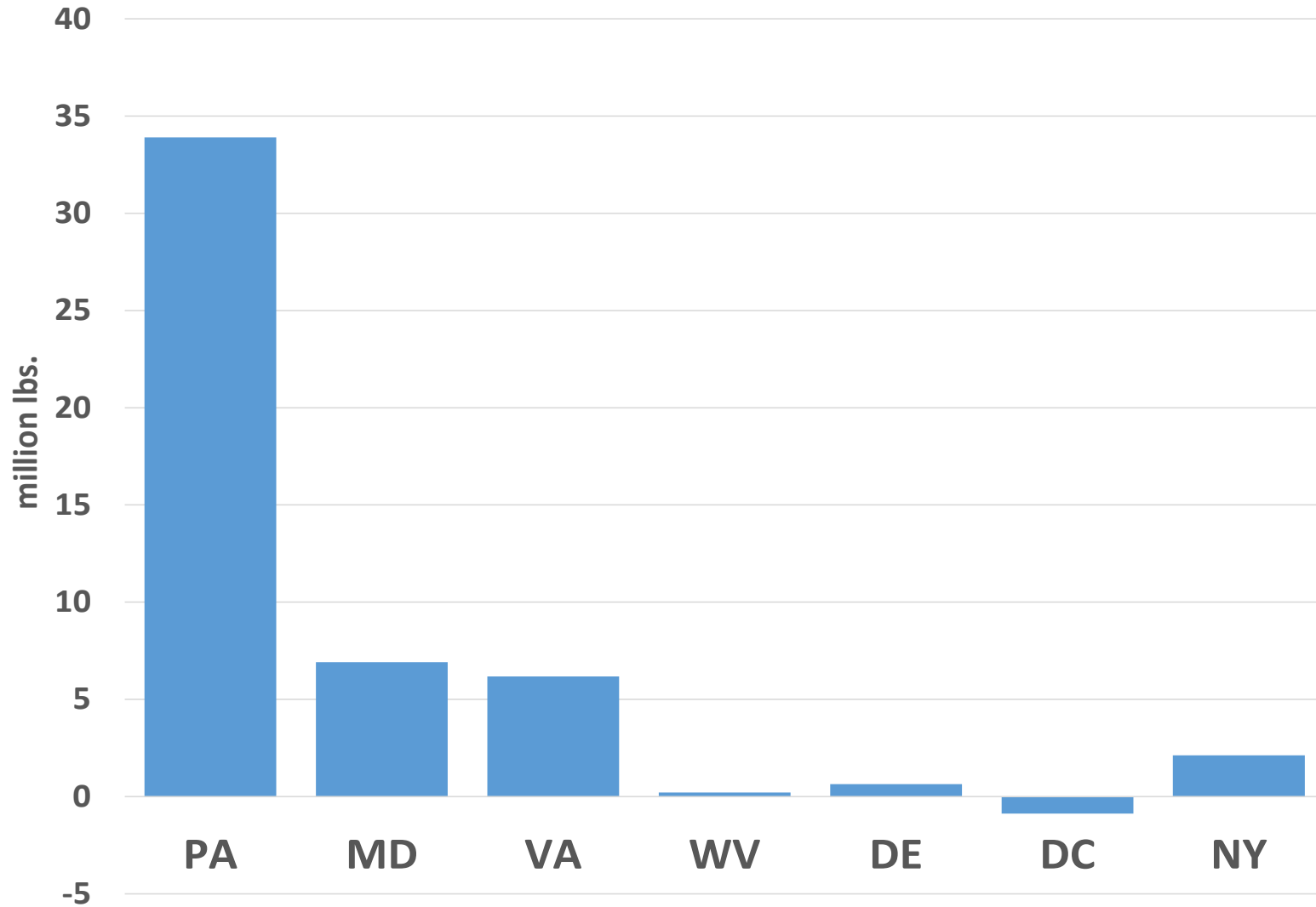


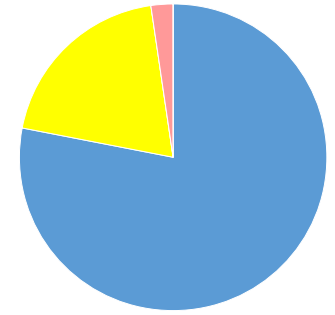
2025



*Based on the jurisdictions' Phase II WIPs.

Nitrogen Load to be Reduced by 2025





Phase 3 WIP

EPA Expectations final June 2017

Final WIP due December 2018

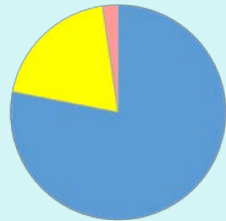
Include local area targets??

Must demonstrate “reasonable assurance.”

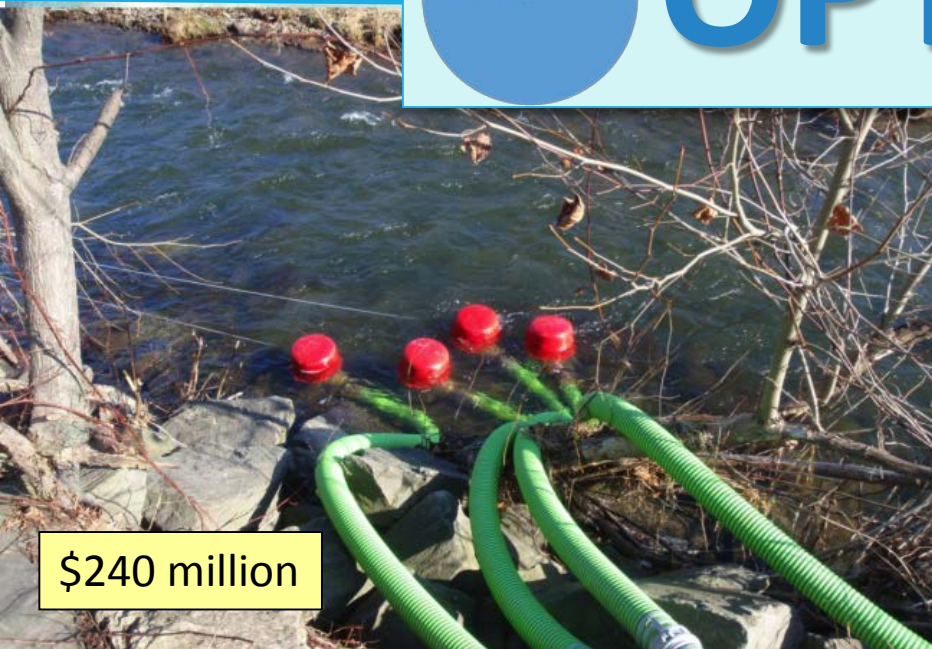
4 million lbs.N



5 million lbs. N



OPTIONS



\$240 million

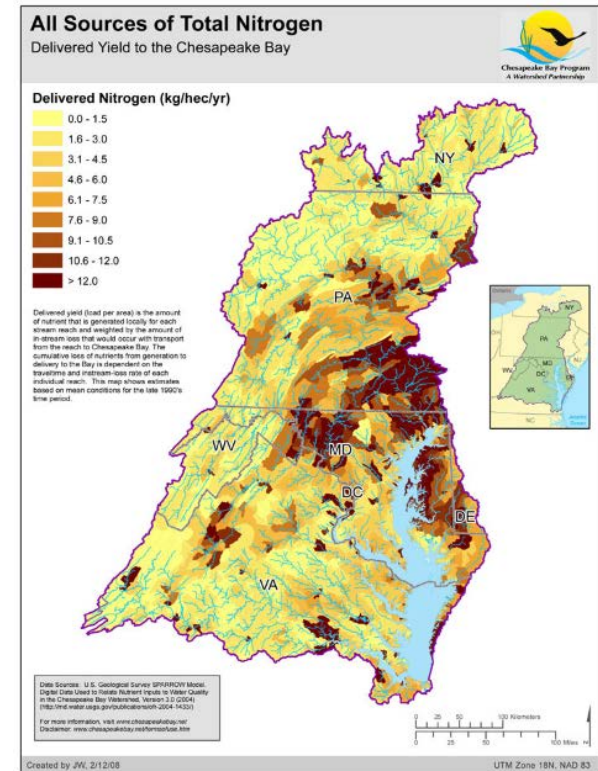
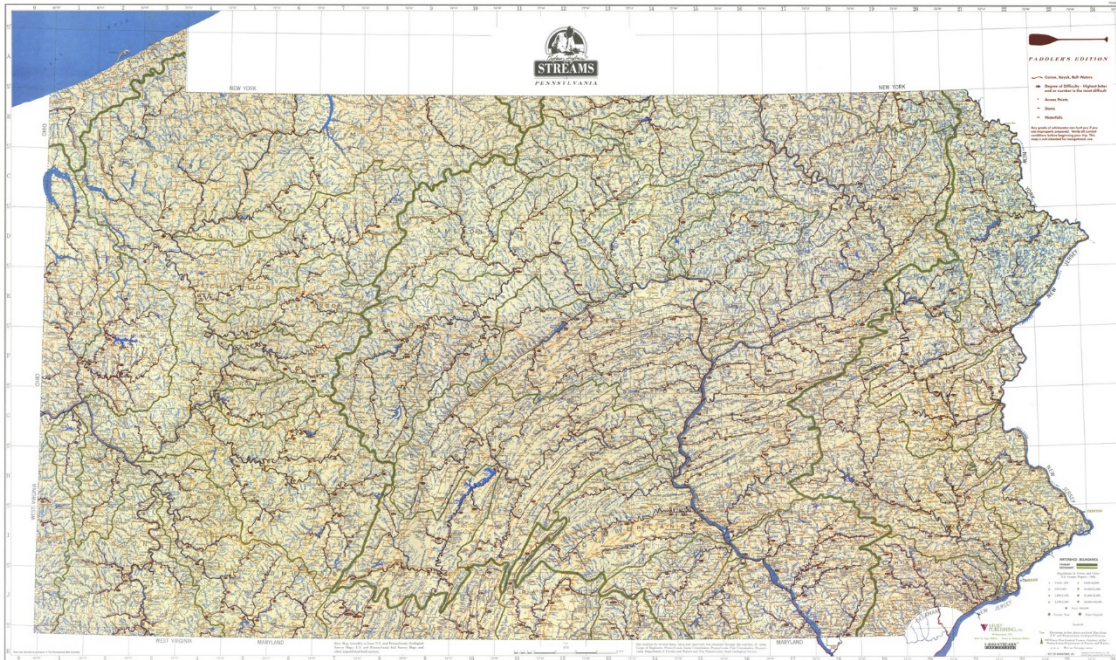
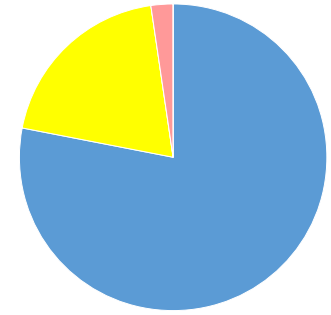


Local Streams

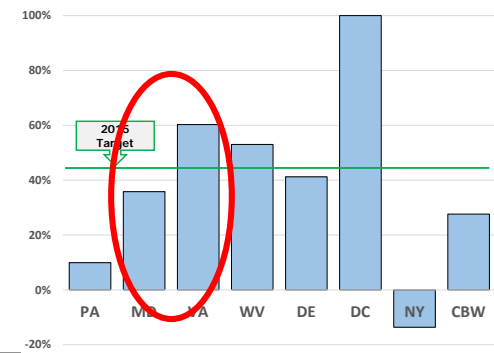
Funding

Need for Bay: \$378.3 M annually

Have: \$127M annually statewide



Funding Matters



MARYLAND

Bay Restoration Fund

- \$139 M FY15
- Sewer bill surcharge
- WWTPs, septic, ag

Bay 2010 Trust Fund

- \$39 M FY16
- Portion of rental car and fuel taxes
- Non-point source, incl. ag

VIRGINIA

Water Quality Improvement Fund

- \$59 M FY17
- 10% of GF surplus
- WWTP and NRCF

Natural Resource Commitment Fund

- \$62 M FY17
- WQIF, real estate recordation fee
- Technical assistance and cost-share

Complementary Legislation

TITLE 3

1. Establish an “**Agricultural Certainty**” program.
2. Amend **Clean & Green** to require compliance with manure management plan/nutrient management plan and ag E&S plan as a condition of eligibility. (HB 1447)
3. Create a certification program for commercial **fertilizer** applicators and limit the nitrogen and phosphorus in fertilizer applied to turf. (SB 563)

TITLE 35

1. Repeal or significantly modify the Clean Streams Law prohibition of **stream fencing** requirements (1937, June 22, P.L. 1987, § 702, added 1980, Oct. 16, P.L. 985, No. 169, § 1).