



**Department of the Environment**

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# **MDE INFRASTRUCTURE FUNDING PROGRAMS**

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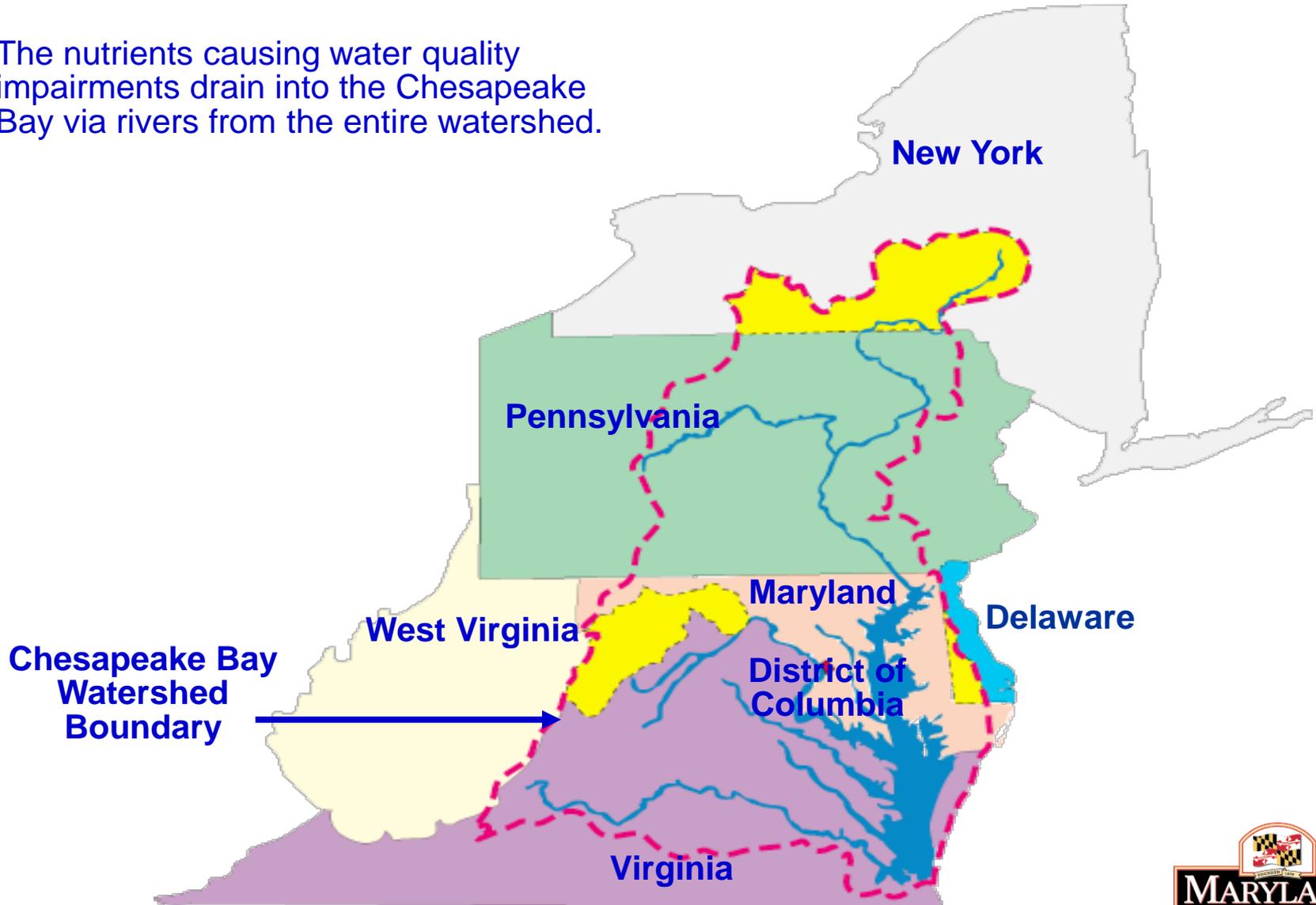
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# Chesapeake Bay Watershed

The nutrients causing water quality impairments drain into the Chesapeake Bay via rivers from the entire watershed.





# Maryland Chesapeake Bay Total Maximum Nitrogen Loading Goal

## Total Nitrogen (TN) Loading by Sector (Millions of lbs/year)

Sector	Progress Thru 2014	Final Target Load (2025)	Reduction Needed
Stormwater	9.78	7.55	2.23 (23%)
Agriculture	18.85	15.22	3.63 (19%)
Septic	2.83	1.85	0.98 (35%)
Forest	5.03	5.31	0%
Atmospheric	0.66	0.66	0%
Wastewater *	12.66	10.58	2.08 (16%)
<b>Total</b>	<b>49.81</b>	<b>41.17</b>	<b>8.92 (18%)</b>

**MD1985 Baseline Load: ~81 million lbs/year**

\* Maryland expects to complete ENR upgrades at the Major WWTPs by 2017, and achieve 5.45M lbs/yr of nitrogen reduction (exceeding the 2.08 million lbs/yr target needed) with capacity available for future growth.





# MDE Major Funding Programs

Program Budget/yr (\$M)	Funding	Primary Purpose
WQRLF	\$130	Loan/Grant
BRF) (Wastewater)	\$ 80	State Grant
BNR (WWTP)	\$ 25	State Grant
BRF (Septic)	\$ 15	State Grant
Est. Total	\$250 million	

WQRLF: Water Quality Revolving Loan Fund.

BRF: Bay Restoration Fund.

ENR: Enhanced Nutrient Removal (nitrogen reduction from 8 mg/l to 3 mg/l at WWTPs.

WWTP: Wastewater Treatment Plant

BNR: Biological Nutrient Removal (nitrogen reduction down to 8 mg/l) at WWTPs.

\* Starting FY 2018, expanded uses to include grants for upgrading of aging sewerage infrastructure, failing septic system sewer connections, and stormwater BMPs by local govt.

Program Budget/yr (\$M)	Funding	Primary Purpose
DWSRF	\$ 24	Loan/Grant
Water Supply	\$ 3	State Grant
Est. Total	\$ 27 million	

MDE will be taking applications in January 2016 for FY 2018 awards.





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