



Climate Resilience Programs At-A-Glance

	Pennsylvania	Maryland	Virginia
Land Use, Planning and Zoning	<ul style="list-style-type: none"> • Riparian Forest Buffer requirements for construction under an NPDES permit ¹ • Updates to Stormwater BMP Manual in progress² 	<ul style="list-style-type: none"> • Environmental Site Design/Stormwater Regs³ • Chesapeake and Atlantic Coastal Bays Critical Area⁴ • Tidal Wetlands Protection⁵ • Nontidal Wetlands Protection⁶ • Living Shorelines Protection Act⁷ 	<ul style="list-style-type: none"> • Chesapeake Bay Preservation Act⁸ • Hampton Roads Comprehensive Planning for Sea Level Rise and Recurrent Flooding⁹ • Tree replacement and conservation during development¹⁰
Entities/Funds created to address Resilience	<ul style="list-style-type: none"> • Climate Change Advisory Committee¹¹ 	<ul style="list-style-type: none"> • Maryland Commission on Climate Change (MCCC)¹² • Coast Smart Council¹³ • CoastSmart Communities Program¹⁴ • Resilience Authorities¹⁵ • Green Infrastructure Resilience Grant Program¹⁶ • Resiliency through Restoration Initiative¹⁷ 	<ul style="list-style-type: none"> • Community Flood Preparedness Fund¹⁸ • Commercial Property Assessed Clean Energy and Resilience (C-PACER)¹⁹ • Middle Peninsula & Northern Neck Chesapeake Bay Public Access Authorities²⁰ • Middle Peninsula & Northern Neck Living Shoreline Incentive Programs²¹

Note: Carbon markets and related state programs are specifically not included in this matrix.

	Pennsylvania	Maryland	Virginia
			<ul style="list-style-type: none"> • Eastern Shore Conservation Alliance²² • Carbon Sequestration Task Force²³ • Special Assistant to the Governor for Coastal Adaptation and Protection²⁴
Green Infrastructure & Resilient Building Requirements	<ul style="list-style-type: none"> • High Performance Building Program (financial incentives)²⁵ • Buildings must meet International Energy Conservation Code, with PA-specific amendments.²⁶ 	<ul style="list-style-type: none"> • Green Building Council²⁷ • Coast Smart Construction Program²⁸ • Green Infrastructure Resilience Program²⁹ • Sea Level Rise Inundation and Coastal Flooding - Construction, Adaptation, and Mitigation³⁰ 	<ul style="list-style-type: none"> • Living Shoreline Requirements³¹ • Wastewater Infrastructure Policy³² • Resiliency for Statewide Transportation Plan³³ • Repetitive loss disclosure³⁴ • Flood Risk Management Standards for state-owned buildings³⁵
Research & Education	<ul style="list-style-type: none"> • PA Climate Action Plan³⁶ • DCNR Climate Change Adaptation & Mitigation Plan³⁷ • SRBC Draft Comprehensive Plan³⁸ 	<ul style="list-style-type: none"> • Maryland’s Climate Leadership Academy³⁹ • MCCC Education Communications and Outreach Working Group⁴⁰ • Coastal Atlas⁴¹ • Maryland Coastal Adaptation Report Card⁴² • Maryland Sea Grant⁴³ 	<ul style="list-style-type: none"> • Virginia’s Coastal Resilience Master Plan (expected Fall, 2021)⁴⁴ • ADAPTVA Evidence-based Planning Tool⁴⁵ • Coastal Zone Management Program⁴⁶ • Commonwealth Center for Recurrent Flooding Resiliency⁴⁷ • Old Dominion University Resilience Collaborative⁴⁸

	Pennsylvania	Maryland	Virginia
			<ul style="list-style-type: none"> • Center for Coastal Resources Management at the Virginia Institute of Marine Science⁴⁹ • Virginia Coastal Policy Center at William & Mary Law School⁵⁰ • Virginia Sea Grant⁵¹ • Flood Awareness Week⁵²

¹ [Act 162 of 2014](#); DEP [Technical Guidance](#)

² Under contract with Villanova University, [Dr. Robert Traver](#) is the project lead.

³ [Maryland Stormwater Manual](#).

⁴ Annotated Code of Maryland, Natural Resources Article [§8-1801](#) et seq.

⁵ Annotated Code of Maryland, Environment Article [§16-101](#) et seq.

⁶ Annotated Code of Maryland, Environment Article [§5-901](#) et seq.

⁷ Annotated Code of Maryland, Environment Article [§16-201](#) et seq. ([program details](#))

⁸ Code of Virginia [§ 62.1-44.15:67 - 79](#).

⁹ Code of Virginia [§ 15.2-2223.3](#).

¹⁰ Code of Virginia [§ 15.2-961](#).

¹¹ Mandated by [Act 70 of 2008](#). Membership and Meeting info [here](#).

¹² Annotated Code of Maryland, Environment Article [§2-1301](#) et seq.

¹³ Annotated Code of Maryland, Natural Resources Article [§3-1001](#) et seq. ([program details](#))

¹⁴ [CoastSmart Community Program](#).

¹⁵ Annotated Code of Maryland, Local Governments Article [§22-101](#) et seq.

¹⁶ [Green Infrastructure Resilience Program](#).

¹⁷ [Resiliency through Restoration Initiative](#).

¹⁸ Code of Virginia [§ 10.1-603.25](#).

¹⁹ Code of Virginia [§ 15.2-958.3](#).

²⁰ Code of Virginia [§ 15.2-6600](#). & [§ 15.2-6626](#).

²¹ Code of Virginia [§ 62.1-229.5](#).

²² [“Conservation Alliance formed for Virginia’s Eastern Shore.”](#) August 3, 2020.

²³ [Senate Bill 1374](#) of the 2021 Virginia General Assembly Session. Effective date of July 1, 2021. Report due to General Assembly prior to start of 2022 Session.

²⁴ Code of Virginia [§ 2.2-435.11](#).

²⁵ [Alternative Energy Investment Act](#), § 307(c). More information [here](#).

²⁶ [2018 UCC update](#).

²⁷ Annotated Code of Maryland, State Finance and Procurement Article [§4-801](#) et seq. ([program details](#))

²⁸ Annotated Code of Maryland, Natural Resources Article [§3-1001](#) et seq. ([program details](#))

²⁹ [Green Infrastructure Resilience Program](#)

³⁰ Annotated Code of Maryland, Natural Resources Article [§3-1001](#) et seq.

³¹ Code of Virginia [§ 28.2-104.1](#).

³² [Chapter 382, Virginia Acts of Assembly, 2021 Special Session I](#). Effective July 1, 2021.

³³ [Chapter 52, Virginia Acts of Assembly, 2021 Special Session I](#). Effective July 1, 2021.

³⁴ [Chapter 323, Virginia Acts of Assembly, 2021 Special Session I](#).

³⁵ [Executive Order 45](#). Office of the Governor, Commonwealth of Virginia, November 15, 2019.

³⁶ Mandated by [Act 70 of 2008](#), §7; [Submitted to Governor](#) in 2019.

³⁷ <https://www.dcnr.pa.gov/Conservation/ClimateChange/Pages/default.aspx>

³⁸ Climate Change is a “cross-cutting challenge” in the [draft document](#).

³⁹ [Maryland Climate Leadership Academy](#).

⁴⁰ [Maryland Climate Change Commission Education, Communication, Outreach Work Group](#).

⁴¹ [Coastal Atlas](#).

⁴² [Maryland Coastal Adaptation Report Card](#)

⁴³ [Maryland Sea Grant](#).

⁴⁴ [Executive Order 24](#). Office of the Governor, Commonwealth of Virginia, November 2, 2018.

⁴⁵ [ADAPTVA](#)

⁴⁶ [Virginia Coastal Zone Management Program](#).

⁴⁷ [Chapter 440, Uncodified Acts of Assembly, Virginia General Assembly 2016 Session](#).

⁴⁸ [Old Dominion University Resilience Collaborative](#).

⁴⁹ [Center for Coastal Resources Management at the Virginia Institute of Marine Science](#).

⁵⁰ [Virginia Coastal Policy Center at William & Mark Law School](#).

⁵¹ [Virginia Sea Grant](#).

⁵² [Governor’s Proclamation for Flood Awareness Week](#). March 14, 2021.