

Action Title	Measure	2022	2023	2024	2025	2026
<b>Finalize Region 3 Climate Adaptation Implementation Plan.</b>						
COMPLETED						
	Percent completion of final plan. (FY22)	100%				
<b>Deploy the EPA Region 3 Climate National Priorities List (NPL) Flooding and Vulnerability Tool.</b>						
	Deployment of training- track number of employees trained. (FY22)	102%				
	Development of a SOP for use. (FY22/23)	100%	100%			
	Refine the users guide for roll out to project managers for full implementation of the tool. (FY24)			100%	0%	
	Measure implementation of tool for standard use by tracking number of times utilized (FY24/25).				0%	
<b>Support climate resilient infrastructure.</b>						
	Number of water and wastewater systems receiving technical assistance and training, including capacity development, system optimization, climate resilience and operator certification. (FY22-25)	100%	25%	150%	0%	
	Number of times we share climate tools with partners to mainstream adaptation and mitigation and encourage investments in resilient infrastructure. (FY22-25)	122%	220%	240%	0%	
	Number of collaboration opportunities with states. (FY23-25)		100%	220%	0%	
	Number of loans in projects for disadvantaged communities related to climate adaptation. (FY23-25)		200%	100%	0%	
<b>Build and maintain coastal climate resiliency through Blue Carbon resources.</b>						
	Develop the project scope, identify research needs, and submit proposals for funding. (FY22)	100%				
	Select a partner community, develop an engagement plan and identify partner and community science needs. (FY22-24)	100%	100%	100%		
	Create a method for blue carbon assessment, identify relevant datasets and create maps. (FY 23/24)		100%	100%	0%	
	Share the assessment and mapping results with Bay Program partners and stakeholders. (FY24)				0%	
	Develop and implement a communications and engagement plan for input on assessment/research results and implementation plan, finalize research results and develop implementation plan. (FY25)				0%	
<b>Engage Region 3 Tribes in a meaningful dialogue on climate change adaptation and resilience.</b>						
	Number of climate adaptation and resilient focused meetings, workshops, webinars, etc. held over a fiscal year. (FY22-26)	100%	100%	133%	0%	0%
	Count of GAP grants and other available funds used to support climate change adaptation. (FY23-26)		100%	100%	0%	0%
<b>Implement the Chesapeake Bay Program Climate Directive.</b>						
	Percent of Chesapeake Bay Watershed Agreement Outcomes with management strategies or Logic and Action Plans that incorporate climate risk. (FY22-24)	123%	112%		0%	
<b>Consider climate vulnerabilities at Superfund sites.</b>						
COMPLETED						
	Launch divisional workgroup (FY22)	100%				
	Number of workgroup meetings tracked (FY22/23)	100%	100%			
	Evaluate existing and any new SOPs/ guidance/ BMPs from OLEM (FY22/23)	100%	100%			
	If appropriate develop divisional tool (FY23)		100%			
	Develop list of NPL sites that are undergoing a Five-Year Review in FY24 and FY25 (FY24)			100%		
	Develop a library of vulnerability assessments and sample language to provide support to RPMs in assessing and addressing climate vulnerability at sites. (FY24)			100%		
<b>Finalize the Region 3 Disaster Mitigation Implementation Strategy.</b>						
COMPLETED						
	Gather input from regional staff. (FY22/23)	100%	100%			
	Receive Regional Incident Coordination Team (RICT) approval. (FY23)		100%	100%		
	Finalize the document. (FY23/24)			100%		
<b>Update the Sea-level-rise Exploration and Assessment (SEA) decision support tool.</b>						
COMPLETED						
	Process sea-level-rise data produced by the Sea Level Rise and Coastal Flood Hazard Scenarios and Tools Interagency Task Force for the 2022 interagency report into GIS mapping layers. (FY22/23)	100%	100%			
	Finalize the app to explore sea-level-rise data generated by the Sea Level Rise and Coastal Flood Hazard Scenarios and Tools Interagency Task Force. (FY24)			100%		
	Obtain approval to release the tool publicly. (FY24)			100%		
<b>Assess air monitoring vulnerability.</b>						
	Percent of monitors evaluated. (FY23)		100%			
	Number of States/localities that have been issued monitoring network vulnerability recommendations. (FY24)			0%		
	States that have taken action to include adaptation in their 5-year network assessment. (FY25)				0%	
<b>Support Federal Facilities with resilience goals.</b>						
	Number of inspections/offsite compliance monitoring conducted. (FY23-25)		100%	100%	0%	
<b>Advance understanding and implementation of climate-resilient Best Management Practices.</b>						
	Tree plantings (riparian tree buffers, reforestation, etc.) tracked annually by new acres planted. The annual implementation of climate adapted BMPs will be tracked with the CBP's CAST database (FY23-26).		401%	1364%	0%	0%
	Wetland BMPs tracked annually by new/restored wetlands acres. Tree plantings (riparian tree buffers, reforestation, etc.) tracked annually by new acres planted. The annual implementation of climate adapted Stormwater Performance Standard BMPs will be measured by the change in the weighted average performance standard in inches. Tree plantings (riparian tree buffers, reforestation, etc.) tracked annually by new acres.		1767%	1398%	0%	0%
	Acres of agricultural land treated with climate adapted agricultural BMPs. Tree plantings (riparian tree buffers, reforestation, etc.) tracked annually by new acres planted. The annual implementation of climate adapted Climate adapted agricultural BMPs will be tracked annually in acres of agricultural land treated (Agriculture Composite) and, for Livestock Waste Management Systems, in animal units. Tree plantings (riparian tree		100%	3500%	0%	0%
			105%	390%	0%	0%
			133%	490%	0%	0%
<b>Engage Superfund communities on climate.</b>						
COMPLETED						
	Evaluation of existing/ new guidance. (FY23)		100%			
	Development of template questions or discussion guides. (FY23)		100%			
<b>Partner with the Regional Science Council to host climate-focused webinars.</b>						
	Number of webinars, presentations and events with a climate focus hosted each quarter. (FY23-26)		150%	100%	0%	0%
<b>Resilience capacity building in Environmental Justice/Social Justice Communities.</b>						
	Identify potential candidate communities for resilience capacity building for improved climate change planning using existing EPA tools - models and databases. (FY23 Q4)		100%			
	Collaborate with partners to refine candidate community list. (FY24)			100%		
	Initiate community research and engagement workshops to determine the accuracy of the assessment. (FY24/25)			100%	0%	
	Work with selected communities to develop strategies to address shortcomings in resilience to climate change, natural hazards and socio-economic impacts. (FY24/25)			100%	0%	
	Finalize community-specific climate change plans that address local issues and concerns. (FY25)				0%	
<b>Developing Next-Generation Intensity-Duration-Frequency (NGIDF) Curve Data for EPA Region 3.</b>						
	Generate dataset to cover all of Region 3. (FY24)		100%	100%	0%	
<b>Increase collaboration to ensure consistency among assessment mapping tools and approaches.</b>						
	Number of meetings attended for collaboration (target: monthly) (FY23-26)		183%	208%	0%	0%
	Number of times Region 3 climate-related tools are presented to national-level workgroups (target: as needed) (FY23-26)		100%	150%	0%	0%
<b>Convene a workshop to address climate adaptation at the watershed scale.</b>						
	Number of federally recognized Tribes, states, territories, local governments, and communities, especially communities which are underserved and disproportionately at risk from climate change that have presented about ways to take action to anticipate, prepare for, adapt to, or recover from the impacts of climate change at the watershed scale. (FY25)				0%	
	Number of federally recognized Tribes, states, territories, local governments, and communities, especially communities which are underserved and disproportionately at risk from climate change that participated in the workshop. (FY25)				0%	
<b>Create an annual engagement plan and a toolkit of communication and engagement resources.</b>						
	Number of internal communication and engagement resources created. (FY24-26)			167%	0%	0%
	Number of external communication and engagement resources created. (FY24-26)			1350%	0%	0%
	Create an annual engagement plan. (FY24-26)			100%	0%	0%
<b>Convene a quarterly meeting with Region 3 jurisdictions to coordinate on climate issues.</b>						
	Number of quarterly meetings held. (FY24-26)			75%	0%	0%
<b>Prevent and reduce wasted food, increase organics recycling, and encourage compost use.</b>						
	Number of outreach engagements conducted to raise awareness of the environmental and climate impacts of wasted food and beneficial uses of compost (e.g., technical assistance, training, resources and tools, social media). (FY24-26)			100%	0%	0%
<b>Pilot project to streamline interagency coordination on climate resilience efforts in Baltimore.</b>						
	Identify partners and develop strategy. (FY24)			100%		
	Strategy implementation (FY25).				0%	
<b>Understanding carbon storage/sequestration implications of local decision-making.</b>						
	Develop the project scope; commit funds and obtain student services or ORISE approval; conduct kick-off meetings with R3 and ORD collaborators. (FY24)			100%	0%	
	Investigate existing models and sources of data; conduct literature review; examine NWCA site data for R3. (FY24)				0%	
	Finalize methods to generate geospatial data layers; generate geospatial data layers; submit journal article. (FY24/25)				0%	
	Incorporate geospatial data layers into EnviroAtlas; develop a Use Case for EnviroAtlas; hold training for R3; generate "pilot" web-based resource in EnviroAtlas or EISCREEN for review from key stakeholders; develop draft training materials, standard operating procedure, and technical documentation for stakeholders. (FY25)				0%	
<b>Create a framework for strategic, multi-scale planning for coastal wetland restoration.</b>						
	Develop the project scope; identify potential partners/stakeholders to participate, and potential funding sources. (FY24)			100%		
	Convene partners to reach agreement on prioritization and siting criteria. (FY24/25)			100%		
	Create a transferable, strategic framework with input from community stakeholders to identify and evaluate potential geographies and sites for large scale coastal wetland restoration. (FY25)				0%	
	Engage with interested stakeholders to develop a pilot tidal wetland restoration project utilizing the strategic framework. (FY25)				0%	
	Develop a consistent Pooled Monitoring protocol that outlines key success metrics for coastal wetlands. (FY25)				0%	
<b>Partnerships and grants adaptation review.</b>						
	Assessment report generated. (FY25)				0%	
<b>Innovative advancements in lake and wetland monitoring with machine learning modeling.</b>						
	Determining final parameters based on funding, and partners' needs. (FY24)			100%		
	Identifying and engaging potential partners through personal contact, meetings, webinars, existing work teams, etc. (FY25)			100%	0%	
	Training for trail camera deployment, database usage, & annotations. (FY25)				0%	
	Establishing existing or new lake and wetland sites, including identifying which ones will have ground-truth data also available. (FY25)				0%	
	Uploading of lakes and wetlands photos by partners. (FY25)				0%	
	Rank images. (FY25)				0%	
	Develop models. (FY25)				0%	
<b>Develop a fine-scale stream network temperature model for Chesapeake Bay Watershed.</b>						
	Form Technical Advisory Committee; create QAPP. (FY24)			100%		
	Create/link QC programs in R & compile/QC datasets. (FY24)			100%	0%	
	SSN Model Development/Calibration. (FY25)				0%	
	Draft App in DMAP Cloud Platform. (FY25)				0%	
	SSN Model Current Predictions. (FY25)				0%	
	Presentation/Final report/products delivered. (FY25)				0%	
<b>Expanding the Wetland Regional Monitoring Program.</b>						
	Re-establish workgroup (assemble existing and new members and establish regular calls). (FY24)			100%		
	Assemble protocols, QAPPs, site selection criteria and identify existing and new sites. (FY24)			100%	0%	
	Finalize Protocols and QAPP (submitted for approval) and new sites, site list and criteria. (FY25)				0%	
	Create final output (finalized Protocols, Approved QAPP and 6-10 sites up and monitoring. (FY26)					0%
<b>Provide training for ECAD and ORC to incorporate climate adaptation in enforcement cases.</b>						
	Number of trainings given and resources created. (FY24)			133%	0%	
<b>Standardize a system for tracking regional and national climate adaptation actions.</b>						
	Number of meetings attended for coordination (target: weekly) (FY24/25)			133%	0%	
	Number of dashboard issues resolved (target: as needed) (FY25)				0%	