

Virginia Coastal Resilience Technical Advisory Committee (TAC)

Subject	TAC 2024 Q4 Meeting	Date	11/13/2024
Chair	DCR Director Matt Wells	Time – START/ADJOURN	10:00am -11:34am
Location	Hybrid: Patrick Henry Building, East Reading Room and via Zoom	Scribe	Wheeler Wood (CPP)

TAC Members		
Title [Alternate Title] Organization (Abbreviation)	Name [Alternate Name]	Attended? V = Virtual
Director of Planning [Coastal Planner] Accomack-Northampton Planning District Commission (A-NPDC)	Anne Doyle [Rita Chandler]	[V]
Flood Planning Director [Strategy Program Analyst] American Flood Coalition (AFC)	Jack Krolkowski [Catie Malone]	V [V]
Chief Chickahominy Indian Tribe	Chief Stephen Adkins	
Chief Chickahominy Tribe Eastern Division	Chief Gerald A. Stewart	
Executive Director [Director of Environment, Economic Development, & Housing] [Environmental/Resilience Planner] Crater Planning District Commission (Crater PDC)	Jay Ellington [Andrew Franzysen] [Kit Friedman]	
Executive Director [Historic Preservation Officer] Fort Monroe Authority	Glen Oder [David Stroud]	
Executive Director [Deputy Director] George Washington Regional Commission (GWRC)	Charles P. Boyles, II [Kate Gibson]	
Chief Resilience Officer [Principal Water Resources Engineer] Hampton Roads Planning District Commission (HRPDC)	Ben McFarlane [Whitney Katchmark]	V [V]
Executive Director [Deputy Director] Middle Peninsula Planning District Commission (MPPDC)	Lewis L. Lawrence, III [Curtis Smith]	
Chief Monacan Indian Nation	Chief Kenneth Branham	
Environmental Program Coordinator Nansemond Indian Nation	Cameron Bruce	
Environmental Planner Northern Neck Planning District Commission (NNPDC)	Brianna Heath	Y
Director of Environment and Resiliency Planning [Coastal Zone Program Manager] Northern Virginia Regional Commission (NVRC)	Norm Goulet [Rebecca Murphy]	Y

TAC Members		
Title [Alternate Title] Organization (Abbreviation)	Name [Alternate Name]	Attended? V = Virtual
Chief Data Officer [Deputy Chief Data Officer] [Director Data Protection and Governance] Office of Data Governance and Analytics (ODGA)	Ken Pfeil [Marcus Thornton] [Chris Burroughs]	
Chief Diversity, Opportunity, and Inclusion Officer [Deputy Chief Diversity Officer] Office of Diversity, Opportunity and Inclusion (ODOI)	Martin Brown [Michael Perez]	[Y]
Director of the Institute for Coastal Adaptation and Resilience [Director of Applied Projects, CCRFR] Old Dominion University – Institute for Coastal Adaptation and Resilience (ODU ICAR)	Dr. Jessica Whitehead [Carol Considine]	V
Chief Pamunkey Indian Tribe	Chief Robert Gray	
Planning Manager, Environment Program [Resilience Planner] PlanRVA	Sarah Stewart [Eli Podyma]	Y
Chief Rappahannock Indian Tribe	Chief G Anne Richardson	
Secretary and Chief Resilience Officer Secretary of Natural and Historic Resources (SNHR)	Travis Voyles	
Director, Volgenau Virginia Coastal Reserve The Nature Conservancy (TNC)	Jill Bieri	V
Commander Deputy Chief, Water Resources Division U.S. Army Corps of Engineers, Norfolk District (USACE)	Colonel Sonny Avichal [Greggory Williams]	
Director of the Environmental Institute University of Virginia, Environmental Institute (UVA – EI)	Dr. Karen McGlathery	V
Tribal Administrator Upper Mattaponi Indian Tribe	Reggie Tupponce	
Executive Vice President, Public Policy and Government Relations [Vice President for Public Policy and Legislative Affairs] Virginia Chamber of Commerce	Keith Martin [Kristin Burhop] [Ethan Betterton]	
Director Virginia Department of Conservation and Recreation (DCR)	Matthew Wells	Y
Director, Grant Management and Recovery Division [State Hazard Mitigation Officer] [State Hazard Mitigation Officer] Virginia Department of Emergency Management (VDEM)	Robert Coates [Debra Messmer] [Katie Vugdalic]	

TAC Members		
Title [Alternate Title] Organization (Abbreviation)	Name [Alternate Name]	Attended? V = Virtual
Chief Deputy [Manager of the Office of Wetlands and Stream Protection] Virginia Department of Environmental Quality (DEQ)	Alexander Samms [Dave Davis]	Y
Assistant Director Virginia Department of Housing and Community Development (DHCD)	William Curtis	V
Environmental Division Director [Assistant Division Director] Virginia Department of Transportation (VDOT)	Chris Swanson [Christopher Berg]	Y [V]
Senior Vice President Governmental Relations [Legislative Specialist, Governmental Relations] Virginia Farm Bureau (VAFB)	Martha Moore [Katelyn Rose Jordan]	[Y]
Associate Dean for Research and Advisory Services [Assistant Professor] [Associate Director for Advisory Services] Virginia Institute of Marine Science (VIMS)	Dr. Mark Luckenbach Dr. Molly Mitchell [Lyle Varnell]	Y
President & CEO Virginia Manufacturers Association (VMA)	Brett Vassey	
Commissioner [Director of Coastal Policy, Restoration and Resilience] [Chief of Habitat Management] [Environmental Specialist] [Environmental Specialist] Virginia Marine Resources Commission (VMRC)	Jamie Green [Rachael Peabody] [Randy Owen] [Khadijah Payne] [Claire Gorman]	Y
[Director of Environmental Policy and Compliance] Virginia Port Authority (VPA)	[Scott Whitehurst]	Y
Executive Director [Director of Program Management] Virginia Resources Authority (VRA)	Shawn Crumlish [Peter D'Alema]	Y
Director Virginia Sea Grant	Dr. Troy Hartley	Y
Director of the Center for Coastal Studies Virginia Tech – Center for Coastal Studies (VT – CCS)	Dr. Wendy Stout	
Acting Director Virginia Transportation Research Council (VTRC)	G. Michael Fitch, Ph.D.	Y
Executive Director [Policy Program Director] Wetlands Watch	Mary-Carson Stiff [Ian Blair]	[Y]
Asst. Provost for Coastal Resilience/Director W&M Virginia Coastal Resilience Collaborative (VCRC)	Thomas Ruppert	Y

TAC Advisors		
Name	Title Organization (Abbreviation)	Attended? Y = Virtual

Joseph Howell	Regional Community Plans & Liaison Officer Navy Region Mid-Atlantic (Navy)	
---------------	--	--

Launch / Stantec	
Name	Attended? V = Virtual
Linda Warren (L)	Y
Cece Atkinson (L)	Y
Rebekah Cazares (L)	Y

TAC Staff		
Name	Title (Organization Abbreviation)	Attended? V = Virtual
Matt Dalon	Resilience Planning Program Manager, DCR	Y
Darryl Glover	Deputy Agency Director, DCR	V
Carolyn Heaps-Pecaro	Resilience Planning Program Coordinator, DCR	Y
Ellie Plisko	VCU Wilder Fellow, DCR	Y
Gabrielle Rosario	Virginia Sea Grant Fellow, DCR	Y
Wheeler Wood	Consultant, VCU Center for Public Policy (CPP)	Y

Members Of The Public Requesting To Speak During Public Comments		
Name	Attended	Notes
Elizabeth Andrews	V	Questions about the Tribal Governments and funding recommendation F-a.

Reference Links	
Item	Link
Meeting Agenda	https://www.dcr.virginia.gov/crmp/meeting/document/2024q4-tac-agendarev.pdf
Meeting Handouts/Presentation Slide	https://www.dcr.virginia.gov/crmp/meeting/document/2024q4-tac-meeting-materials.pdf
Video Recording of the Meeting	https://youtu.be/vJk_m0e03ms
Additional Links:	

Agenda Item	Minutes
1. Call to Order, Roll Call, and Introductions	Chair of the TAC, Director Matt Wells (DCR) started the call at 10:00 a.m. and roll was taken. He noted this was the last meeting of the TAC. The focus of the meeting would be a vote on the draft subcommittee recommendations.
2. Adoption of Meeting Agenda	Director Wells (DCR) asked members to move to adopt the agenda and all members approved by voice vote.
3. Adoption of Meeting Minutes from September 18, 2024	Director Wells then asked about the adoption of the minutes and all members approved by voice vote.
4. Reports from DCR	<p>Chair Wells announced the Chief Resilience Officer position has been posted along with two supporting positions. Applications will be accepted until a suitable pool of candidates is available.</p> <p>There is an open round of the Community Flood Preparedness Fund (CFPF). While originally scheduled to end in November, partially in response to Hurricane Helene, the deadline has been extended to January 24th. Similar to the last round, a total of \$85 million is available with \$50 million in the traditional CFPF grants, \$25 million in long term loans for projects, and \$10 million in short term loans for startup funding. Unlike the last round, the Resilient Virginia Revolving Loan funds can be used as a match for projects and changes were made to the loan applications process so that local government applicants no longer need to submit financials with the application. Instead, if approved, financial information will then be collected.</p> <p>Director Wells also noted the extension of the approval period for resilience plans to five years based on feedback from local governments that three years is not insufficient. He also informed the members of the extension of the period of performance for capacity building grants to allow for a five year period of performance.</p> <p>Matt Dalon then presented an update on the Phase II of the Coastal Resilience Master Plan. He reminded the members this plan is meant to be a trusted resource to help local governments, regional governments, state agencies, and other stakeholders to understand the risk they are facing not only today, but in the future, with flooding from the coast, from rivers, as well as from rain. This is a consistent analysis across this entire eight coastal PDC region. As part of the project, efforts focused on identifying different opportunities for prioritizing resilience by understanding all the needs across the region. He reviewed the work completed over the past three years and thanked the members for their insights and contributions. The next release of the plan is 2029. The deliverables from this project include:</p> <ol style="list-style-type: none"> 1. Plan Document (PDF and hard copies) 2. Updated Web Explorer 3. Open data portal

Agenda Item	Minutes
	<p>Carolyn Heaps-Pecaro provided an update on the outreach and engagement strategy. She reviewed the 4 goals of the plan and noted 82% of the city and county governments in the region did engage in some way in a meaningful way in the planning process. The goals are:</p> <ol style="list-style-type: none"> 1. Understand end users' needs 2. Understand lived experiences with flooding 3. Understand existing flood resilience efforts 4. Drive awareness and encourage whole community action <p>Work will continue into 2025 with press releases, posting the plan on Virginia Regulatory Town Hall and a 60 day public comment period (with webinars). Also planned are website and social media updates, state agency visits, conference presentations, etc.</p> <p>Director Wells and the members thanked Matt, Carolyn and the entire team developing this document.</p>
5. Reports from TAC Subcommittees	<p>Matt Dalon summarized the work completed to date to develop high priority recommendations. He highlighted some of the recent revisions including adding Planning District Commissions when also referencing local governments. He also noted the language is now consistent when referring to universities with the standard phrase, "Commonwealth research universities." When addressing state agencies, consistent terminology was used to reflect the Chief Resilience Officer requesting the interagency management team.</p> <p>Linda Warren of Launch! detailed the steps for TAC to review the 20 draft subcommittee recommendations (5 per subcommittee). The goal is to "check for understanding." Each recommendation was reviewed, discussed, language clarified and revised if needed.</p> <p>The only significant revision across the recommendations was to add planning district commissions when also referencing local governments.</p> <p>The list of final recommendations voted on by the TAC is under new business.</p>
6. Old Business	None
7. Public Comment	<p>Elizabeth Andrews had 2 comments/questions. She wanted to know if the tribal governments were included in key stakeholders. Per Carolyn, there is no formal definition of key stakeholders. Tribal governments are included in the group of "primary stakeholders" versus "public stakeholders" and therefore are considered key stakeholders. Ms. Andrews also wanted to know if there was any discussion regarding funding F-a, wanted to understand funding for F-a and the Funding Committee chair, Shawn Crumlish noted there was no discussion regarding funding mechanism for the recommended tools.</p>
8. New Business	<p>The members of the TAC voted on all the individual recommendations using Mentimeter. All recommendations receiving a majority "support" vote will be included in the main body of the CRMP Phase II. All recommendations were passed with unanimous support.</p>

Agenda Item	Minutes
	A list of recommendations voted on by the members can be found in Appendix A: Recommendations Voted on by TAC Members. The voting record can be found in Appendix B.
9. Adjourn	Director Wells thanked the members of the TAC and it was noted this was the last scheduled meeting of the TAC and a Q1 meeting is not expected to be scheduled. Matt Wells closed the meeting at 11:09am.

The purpose of these minutes is to record and preserve, to the best of our ability, the major contributors and general topics covered during this meeting. Verbatim transcription is not the intent of this document. If you have any questions, please contact flood.resilience@dcv.virginia.gov

Appendix A: Recommendations Voted on by TAC Members

ID	Recommendation	Purpose
R-a	The Chief Resilience Officer should coordinate with the Commonwealth's research universities and the Interagency Resilience Management Team to regularly inventory existing data and to collect and share quantitative and qualitative flood resilience data, data production efforts, and assessments of data usage in decision-making applications across the Commonwealth.	Minimize duplication of efforts and effectively mobilize our collective capacity to support evidence-based flood resilience decision-making with best available data.
R-b	The DCR Office of Resilience Planning and other state agencies, in collaboration with the Commonwealth's research universities, local governments and planning district commissions, should identify priority data needs to support ongoing planning and decision making and recommend implementation strategies for fulfilling those needs.	Maintain the best available data to inform decisions in a changing environment.
R-c	The Flood Resilience Advisory Committee should actively support the DCR Office of Resilience Planning in establishing clear and measurable resilience goals aimed at enhancing the Commonwealth's capacity to withstand and recover from flood events. DCR should solicit the involvement of the Commonwealth's research universities and other key stakeholders to contribute their expertise in developing relevant indicators and metrics to monitor progress toward these resilience goals.	Define, measure, and monitor the efficacy of resilience projects to support adaptive management. This should be based on Virginia-centric data and address ecological, infrastructure, social, economic, cultural, environmental justice, and other emerging dimensions of resilience performance.
R-d	DCR's Office of Resilience Planning should engage with key stakeholders to understand local obstacles and gaps in state-level programs and develop a statewide strategy that leverages co-production of innovative state-level solutions to meet local needs.	Identify appropriate state-scale collective actions to support local resilience challenges through community engagement and innovation.
R-e	The Commonwealth's research universities should evaluate the performance and co-benefits of existing and emerging nature-based and hybrid solutions for water quantity and water quality protections through collaborations with public and private stakeholders. These efforts should track progress, adapt approaches, and identify funding sources for continued collaborative efforts.	Understand the flood risk reduction and other benefits of existing and emerging nature-based and hybrid solutions through collaborative research efforts.
P-a	The DCR Office of Resilience Planning should incorporate best available science into future iterations of the Coastal Resilience Master Plan for all components of flood risk to support appropriate project prioritization.	Enhance informed decision-making for flood resilience.
P-b	The Commonwealth should establish sufficient funding to implement the Coastal Resilience Master Plan and a dedicated, sustainable source for this funding.	Improve buy-in for the Coastal Resilience Master Plan.
P-c	The Chief Resilience Officer should request that the Interagency Resilience Management Team develop, maintain, and enhance appropriate datasets needed to assess flood impacts. The Chief Resilience Officer should invite broad participation from key stakeholders in coordination efforts.	Minimize duplication of efforts, streamline communications, and effectively mobilize our collective capacity.

P-d	State agencies should establish programs to engage with and support local governments and planning district commissions, with an emphasis on communities with high flood risk and without flood resilience projects or initiatives. Involved agencies may include DCR, VDEM, and DHCD and where appropriate, state agencies should involve the Commonwealth's research universities in engagement efforts.	Understand and address the factors preventing flood resilience action by local governments
P-e	The DCR Office of Resilience Planning should work with the Flood Resilience Advisory Committee to establish a coordinated framework to operationalize the Coastal Resilience Master Plan at local, regional, and state scales. The framework should integrate data and needs assessments with Coastal Resilience Master Plan principles to develop success metrics and set clear short-, mid-, and long-term goals, to be measured on regular, near-term timespans.	Establish a structure to connect the state's coastal flood resilience findings to informed and coordinated action that minimizes adverse impacts and maximizes long-term benefits.
F-a	The Chief Resilience Officer should request that the Interagency Resilience Management Team provide timely financial tools and reports to local governments, planning district commissions, state legislators, and other official entities. These tools and reports should clearly demonstrate the immediate and mid-term costs of inactions to address flood resilience and inform appropriations.	Explain the flood consequences of doing nothing at the local, regional, and state levels.
F-b	The Commonwealth's economic development enterprise, public and private, should ensure that businesses, government officials, citizens, and other key stakeholders are aware of the economic benefits of developing and implementing Virginia-based flood resilience products and services and exporting them to an emerging global market.	Ensure stakeholders understand the positive financial potential of investing in resilience solutions.
F-c	The Chief Resilience Officer should request that the Interagency Resilience Management Team provide information to local governments, planning district commissions, state legislators, and other official entities about existing, available, and emerging sources of funding and financial strategies that can support local, regional, and state-wide flood resilience initiatives.	Establish an understanding of the financial resources to develop a financial strategy for implementation.
F-d	The Chief Resilience Officer should request that the Interagency Resilience Management Team identify the challenges in the flood-related grant and loan processes specific to private projects and public projects, then recommend opportunities to improve implementation.	Understand the financial needs, limitations, and challenges to implementing resilience on public and private property. Example challenges may include administrative, legal, cash flow, reimbursement, proof of expenditure, and others.
F-e	The Chief Resilience Officer should request that the Interagency Resilience Management Team report on the effectiveness of state funding and financing programs to address short-term and long-term flood-related challenges for local governments, planning district commissions and the Commonwealth, and consider additional financial mechanisms as appropriate.	Utilize adaptive management for state-directed financial products to address the immediate and long-term challenges of flooding.

O-a	The DCR Office of Resilience Planning should develop and maintain a comprehensive list of available funding resources which can be leveraged to sustainably support uptake and implementation of the Coastal Resilience Master Plan.	Assist in addressing budgetary constraints which limit plan uptake.
O-b	The Chief Resilience Officer should coordinate with DCR to provide resources and supporting information on the necessity of increased flood resilience funding by utilizing project prioritization and evidence of project readiness.	Provide support through information sharing to minimize budgetary constraints which limit plan uptake.
O-c	The DCR Office of Resilience Planning should collaborate with potential end-users of the Coastal Resilience Master Plan, such as local governments and planning district commissions, by improving usability. This may include providing accessible and straightforward available virtual tools and customized technical support to develop locally specific project prioritization using the plan.	Increase flood resilience action and encourage informed decision-making through use of existing plan data and resources.
O-d	The DCR Office of Resilience Planning should develop a strategy to increase use of the Coastal Resilience Master Plan by its end-users, including local governments and planning district commissions. The strategy should seek to identify and bridge capacity constraints within DCR and for end-users that prevent plan uptake. The strategy should also clearly define roles for state agencies to support end-users.	Establish a coordinated, actionable strategy to ensure the Coastal Resilience Master Plan is used.
O-e	Collaborate with key stakeholders, including local governments and planning district commissions, to identify the populations and communities at greatest flood risk and offer clear, consistent messaging that can be tailored to a community.	Improve outreach to populations at greatest flood risk.

Appendix A: Member Voting Record

Organization	Recommendation																			
	R-a:	R-b:	R-c:	R-d:	R-e:	P-a:	P-b:	P-c:	P-d:	P-e:	F-a:	F-b:	F-c:	F-d:	F-e:	O-a:	O-b:	O-c:	O-d:	O-e:
American Flood Coalition	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
A-NDPC	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
DCR	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
DHCD	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
DOI	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
George Washington Regional Commission	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
HRPDC	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
MPPDC	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
Northern Virginia Regional Commission	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
ODU ICAR	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
PlanRVA	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
University of Virginia	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
VDOT	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
VIMS	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
Virginia DEQ	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
Virginia Farm Bureau	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
Virginia Port Authority	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
Virginia Sea Grant	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
Virginia Transportation Reseach	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
VRA	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
W&M VCRC	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
Wetlands Watch	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support
VMRC	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support	Support