

Funding Subcommittee Meeting

VIRGINIA COASTAL RESILIENCE TECHNICAL ADVISORY COMMITTEE

THURSDAY, OCTOBER 10, 2024, | 9:30 AM

Meeting Agenda

- Call to Order, Roll Call
- Adoption of Agenda
- Adoption of Q3 2024 Meeting Minutes
- Subcommittee Overview
- Old Business
 - Coastal Resilience Master Plan Update
 - Subcommittee Recommendations Development
- Public Comment
- *New Business*
 - *Voting on Subcommittee Recommendations*
- Action Items, Scheduling
- Adjourn



Name	Title	Organization
Shawn Crumlish (Chair)	Executive Director	Virginia Resources Authority
Peter D'Alema (Alternate Chair)	Director of Program Management	
William Curtis	Assistant Director	Assistant Director of DHCD
Whitney Katchmark	Principal Water Resources Engineer	Hampton Roads Planning District Commission
Ben McFarlane (A)	Chief Resilience Officer	
Lewis L. Lawrence, III	Executive Director	Middle Peninsula Planning District Commission
Curtis Smith (A)	Deputy Director	
Kristin Burhop	Vice President for Public Policy and Legislative Affairs	Virginia Chamber of Commerce
Keith Martin	Executive Vice President, Public Policy and Government Relations	
Ethan Betterton	Director of Public Policy	
Robert Coates	Director, Grant Management and Recovery Division	Virginia Department of Emergency Management
Debra Messmer (A)	State Hazard Mitigation Officer	
Chris Swanson	Environmental Division Director	Virginia Department of Transportation
Christopher Berg (A)	Assistant Division Director	
Claire Gorman	Environmental Specialist, Habitat Management	Virginia Marine Resources Commission
Dr. Troy Hartley	Director	Virginia Sea Grant

Virginia Coastal Resilience Master Plan, Phase II

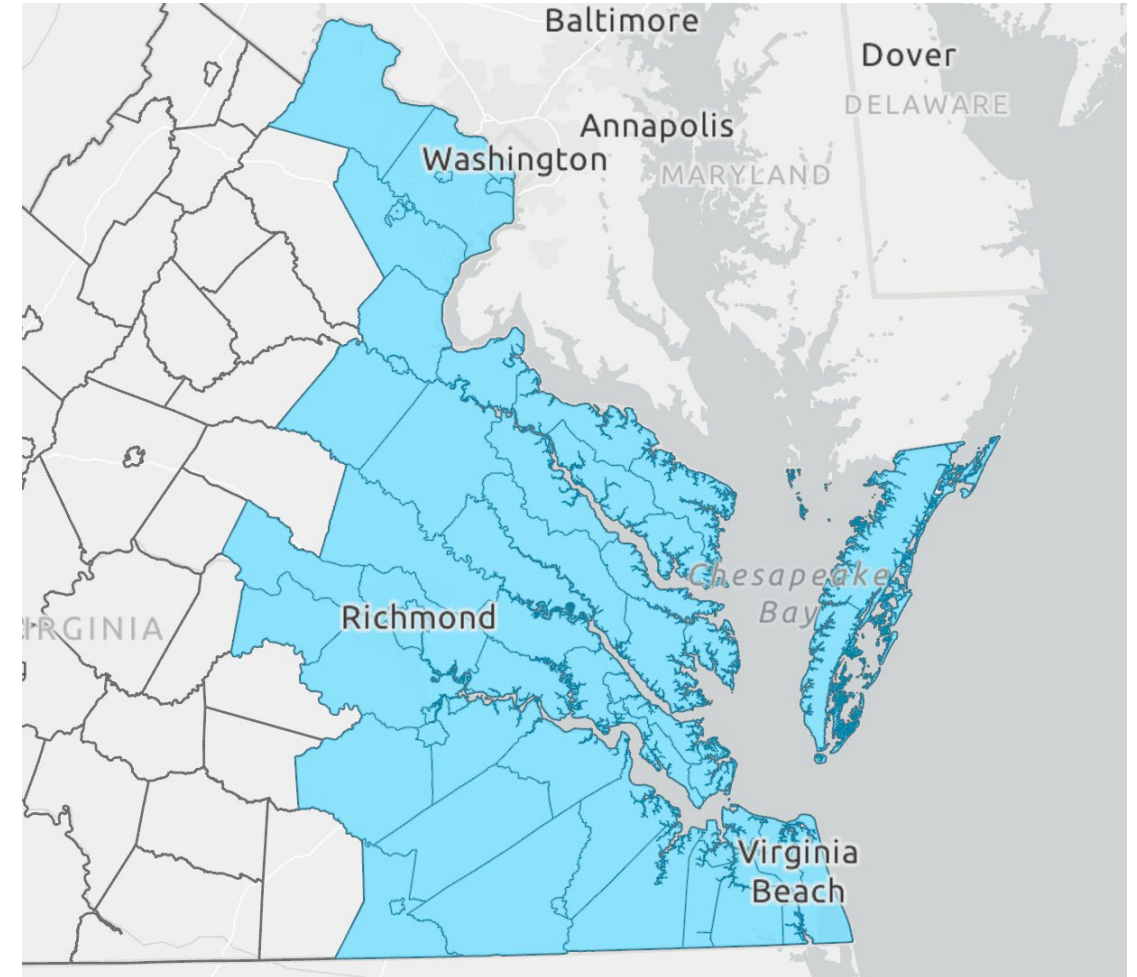
WHAT IS THE CRMP?

A **trusted resource** to assist government entities in making evidence-based decisions to mitigate severe and repetitive flooding.

- Provides a **unified baseline analysis** of the threat of increasing flood exposure and impacts in Virginia's coastal region due to sea level rise and changing precipitation patterns.
- Identifies **opportunities to prioritize impactful flood resilience solutions**, showcasing an inventory of government-led or supported projects and initiatives across the coastal region.

DELIVERY DETAILS

- Major plan elements: hazard exposure, impact assessment, planned resilience actions, financial needs, and subcommittee recommendations
- December 2024 timeline for delivery, updated every five years
- See Code of Virginia [§10.1-658, 659](#)



Funding Subcommittee Objectives

1. Inform quantification of financial need for flood resilience.
 - a. What funding needs should be identified in the CRMP Phase II, including to guide appropriations needs?
2. Identify and examine financial tools and processes that are suited and/or needed to implement flood resilience.
3. Identify challenges/opportunities to implementing financial tools.
4. Develop recommendations for future planning.

This includes, but is not limited to:

 - a. Recommend approach to quantifying and presenting financial need for flood resilience during future planning efforts.

Subcommittee Schedule

2023Q3

CRMP PII – Identify Financial Needs

2023Q4

CRMP PII – Identify Financial Needs

2024Q1

CRMP PII – Prioritize Financial Needs

2024Q2

CRMP PII – Financial Assessment Update

Future Plans – Recommendations

2024Q3

CRMP PII – Financial Impact Assessment Update

Future Plans – Recommendations

2024Q4

Future Plans – Final Recommendations

Recommendations Development - Overview

OBJECTIVE

- Develop high priority recommendations to improve mitigation of severe and repetitive flooding in Virginia’s coastal region.
- The recommendations should be:
 - An action to implement prior to the next planning phase (in the next 1-4 years) by appropriate responsible actors (ex., state agencies, PDCs, localities, legislators, federal government, etc.).
 - A process improvement for DCR when developing the next Coastal Resilience Master Plan (to be released in 2029).

OUTCOME

- The high priority recommendations that receive a passing vote from the full TAC per Section 2-3 of the TAC charter will be included as recommendations in the plan.
- Each recommendation will comprise an action-oriented statement, identified responsible actor(s), and a brief purpose statement.
- The list of approximately 120 draft recommendations developed by the subcommittees at their Q2 2024 meetings will be included as an appendix to the plan.

PROCESS

July 15-19: <i>Prioritization Survey</i>	<i>Subcommittee members vote on their top 10 recommendations per subcommittee.</i>
August 7-15: <i>Q3 Subcommittee Meetings</i>	<i>Subcommittees review survey results, identify and refine the top 5 recommendations, and assign responsible parties.</i>
September 18: <i>Q3 TAC Meeting</i>	<i>The Full TAC reviews and refines each subcommittee’s top 5 recommendations.</i>
October 3-10: Q4 Subcommittee Meetings	Subcommittee members finalize and vote on up to 5 recommendations.
November 13: Q4 TAC Meeting	The Full TAC votes on all subcommittee recommendations.

Recommendation Development – Today's Process

Old Business - Finalize Recommendation Language

- For each recommendation we will:
 - Review the text from the 9/18 TAC meeting
 - Review TAC comments
 - Discuss changes
 - Text that you cannot support
 - Text to improve the recommendation
- 20 minutes per recommendation

Public Comment Period

New Business – Vote on Recommendations

- 5 minutes per recommendation
- Recommendation must pass by consensus or majority for TAC to consider at 11/13 meeting

[F-a] Funding Subcommittee

RECOMMENDATION

- State agencies should provide financial tools and reports to local governments, state legislators, and other official entities that clearly demonstrate the immediate and mid-term costs of inaction to address flood resilience.

RECOMMENDATION PURPOSE

- Explain the flood consequences of doing nothing at the local, regional, and state levels.

[F-b] Funding Subcommittee

RECOMMENDATION

- The economic development community should ensure that businesses, government officials, citizens, and other stakeholders are aware of the economic benefits of local development with water, as well as support for developing and exporting Virginia-based flood resilience solutions to an emerging global market.

RECOMMENDATION PURPOSE

- Ensure stakeholders understand the positive financial potential of investing in resilience solutions.

[F-c] Funding Subcommittee

RECOMMENDATION

- The Interagency Resilience Management Team should monitor and share existing and available flood resilience financial (funding and financing) resources to support local, regional, and state-wide initiatives.

RECOMMENDATION PURPOSE

- Establish an understanding of the financial resources to develop a financial strategy for implementation.

[F-d] Funding Subcommittee

RECOMMENDATION

- The DCR Office of Resilience Planning should identify the different financial needs specific to the private sector and to the public sector.

RECOMMENDATION PURPOSE

- Understand the financial needs and limitations to implementing resilience on public and private property.

[F-e] Funding Subcommittee

RECOMMENDATION

- State agencies should monitor and evaluate the success of the state's funding, including appropriations and grant and loan programs, to address short-term and long-term challenges and consider additional financial mechanisms that may be needed to address longer-term challenges, such as strategic relocation, saltwater intrusion into public drinking water systems, and infrastructure abandonment.

RECOMMENDATION PURPOSE

- Utilize adaptive management for state-directed financial products to address the immediate and long-term challenges of flooding.

Public Comment

IF YOU SEEK TO PROVIDE PUBLIC COMMENT, PLEASE SIGN UP EITHER IN-PERSON OR VIRTUALLY USING THE CHAT WINDOW.

New Business


VOTING ON SUBCOMMITTEE RECOMMENDATIONS


Remaining 2024 Meeting Schedule


October 2024						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

November 2024						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

December 2024						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

 Final Subcommittee Meetings

 Scheduled Plan Release

 TAC Meeting

CRMP, Phase II: Coastal Resilience TAC Recommendations

Funding Subcommittee | Q4 2024 Subcommittee Meeting Handout

Recommendation A

DRAFT Revised Recommendation Language for Subcommittee Review

State agencies should provide financial tools and reports to local governments, state legislators, and other official entities that clearly demonstrate the immediate and mid-term costs of inaction to address flood resilience.

Recommendation Changes and Comments

TAC comments at 9/18 TAC meeting

- Discuss “costs of inaction.”
- Do we actually mean state agencies as the responsible party in this recommendation?
 - Who does oversight, financial auditing, etc.?

Revised Recommendation Text presented at the 9/18 TAC meeting

Same as draft revised recommendation.

Subcommittee Comments prior to 9/18 TAC meeting

HRPDC

State agencies should provide financial tools and reports to local governments, state legislators, and other official and entities that clearly demonstrate the immediate and mid-term costs of inaction to address flood resilience.

Revised Recommendation for Subcommittee Comment prior to 9/18 TAC meeting

State agencies should provide financial tools and reports to local governments that clearly demonstrate the immediate and mid-term costs of inaction to address flood resilience.

Original Recommendation Text

Develop financial tools and reports to more clearly explain the immediate and mid-term cost of doing nothing at the local level. [C.2.1.a.]

Additional Information about the Recommendation (For Context Only)

DRAFT Purpose for Subcommittee Review

Explain the flood consequences of doing nothing at the local, regional, and state levels.

Corresponding Flood Resilience Principle

Utilize community and regional scale planning to the maximum extent possible, seeking region specific approaches tailored to the needs of individual communities.

CRMP, Phase II: Coastal Resilience TAC Recommendations

Funding Subcommittee | Q4 2024 Subcommittee Meeting Handout

Recommendation B

DRAFT Revised Recommendation

The economic development community should ensure that businesses, government officials, citizens, and other stakeholders are aware of the economic benefits of local development with water, as well as support for developing and exporting Virginia-based flood resilience solutions to an emerging global market.

Recommendation Changes and Comments

TAC comments at 9/18 TAC meeting

- This recommendation ties to Funding Recommendation a (F-a).
- Discuss with and educate the funding committee/economic community and decision-makers on the risk of job loss in communities subject to flood risk; the retaining of jobs vs. the bringing in of new jobs.
 - Real risk of people, and subsequently businesses that provide employment, fleeing the area due to floods and flooding impacts.
- Need to clarify and wordsmith “economic benefits of local development with water.”
 - Possible alternative language: “how one manages water” or “adapting to water.”

Revised Recommendation Text presented at the 9/18 TAC meeting

Same as draft revised recommendation.

Subcommittee Comments prior to 9/18 TAC meeting

HRPDC

The economic development community should ensure that businesses, government officials, citizens, and other stakeholders are aware of the economic benefits of both **local development with water**, as well as exporting Virginia-based flood resilience solutions to an emerging global market.

VASG

The economic development community should ensure that businesses, government officials, citizens, and other stakeholders are aware of the economic benefits of both local development with water, as well as **support developing and** exporting Virginia-based flood resilience solutions to an emerging global market.

Revised Recommendation for Subcommittee Comment prior to 9/18 TAC meeting

The economic development community should ensure that businesses, government officials, citizens, and other stakeholders are aware of the economic benefits of both local development with water, as well as exporting Virginia-based flood resilience solutions to an emerging global market.

CRMP, Phase II: Coastal Resilience TAC Recommendations

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Original Recommendation Text

Ensure businesses, government officials, citizens and other stakeholders are aware of the financial opportunity from economic development potential of innovative resilience and adaptation technologies, products, services and designs created in Virginia and sold to an emerging global market. [C.2.2.c.]

Additional Information about the Recommendation (For Context Only)

DRAFT Purpose for Subcommittee Review

Ensure stakeholders understand the positive financial potential of investing in resilience solutions.

Corresponding Flood Resilience Principles

1. Understand fiscal realities and focus on the most cost-effective solutions for protection and adaptation of our communities, businesses, and critical infrastructure.
2. Utilize community and regional scale planning to the maximum extent possible, seeking region specific approaches tailored to the needs of individual communities.
3. These programs and plans must be developed and implemented with transparency and input from the public.

CRMP, Phase II: Coastal Resilience TAC Recommendations

Funding Subcommittee | Q4 2024 Subcommittee Meeting Handout

Recommendation C

DRAFT Revised Recommendation

The Interagency Resilience Management Team should monitor and share existing and available flood resilience financial (funding and financing) resources to support local, regional, and state-wide initiatives.

Recommendation Changes and Comments

TAC comments at 9/18 TAC meeting

- With whom is the IRMT sharing the information? Are they sharing within their team, or outside of themselves?
 - Discussion: Seemingly should be both—agencies coordinating and understanding resources with each other, but also each agency has their own connections within their sectors of expertise. So, they should consider both sharing within their respective sectors, as well as sharing out to other agencies/areas (consider difference with sharing to other local regional areas).
- Is there a need for the parentheses portion of “(funding and financing)” to define the wording of “financial” resources?

Revised Recommendation Text presented at the 9/18 TAC meeting

Same as draft revised recommendation.

Subcommittee Comments prior to 9/18 TAC meeting

HRPDC

The Interagency Resilience Management Team should monitor and share existing and available flood resilience financial (funding & financing) resources to support local, regional, and state-wide initiatives.

VASG

“Why not the CRO or the DCR Office of Resilience Planning? I may have missed the designation of this mgt team, but the Master Plan will probably need to explain what this is and how it is different from or coordinates with the CRO and DCR.”

Revised Recommendation for Subcommittee Comment prior to 9/18 TAC meeting

The Interagency Resilience Management Team should monitor and share existing and available flood resilience financial (funding & financing) resources to support state-wide initiatives.

Original Recommendation Text

Determine what the existing and available funding resources are. [C.3.1.a.]

CRMP, Phase II: Coastal Resilience TAC Recommendations

Funding Subcommittee | Q4 2024 Subcommittee Meeting Handout

Additional Information about the Recommendation (For Context Only)

DRAFT Purpose for Subcommittee Review

Establish an understanding of the financial resources to develop a financial strategy for implementation.

Corresponding Flood Resilience Principles

1. Understand fiscal realities and focus on the most cost-effective solutions for protection and adaptation of our communities, businesses, and critical infrastructure.
2. We are committed to addressing challenges relating to flooding and resiliency.

CRMP, Phase II: Coastal Resilience TAC Recommendations

Funding Subcommittee | Q4 2024 Subcommittee Meeting Handout

Recommendation D

DRAFT Revised Recommendation

The DCR Office of Resilience Planning should identify the different financial needs specific to the private sector and to the public sector.

Recommendation Changes and Comments

TAC comments at 9/18 TAC meeting

- Add “related to flooding” after the word “needs”
- Is this geared towards planning or project implementation?
- Awareness surrounding the differences between public and private projects: the project structure can differ with regard to the cash flow, legal and financial instruments, reimbursement processes, and how either type would move through the system.
 - This is an extremely complicated financial network that is foreign to many.

Revised Recommendation Text presented at the 9/18 TAC meeting

Same as draft revised recommendation.

Subcommittee Comments prior to 9/18 TAC meeting

- No Comments

Revised Recommendation for Subcommittee Comment prior to 9/18 TAC meeting

The DCR Office of Resilience Planning should identify the different financial needs specific to the private sector and to the public sector.

Original Recommendation Text

Identify specific financial needs for private and public projects. [C.1.2.a.]

Additional Information about the Recommendation (For Context Only)

DRAFT Purpose for Subcommittee Review

Understand the financial needs and limitations to implementing resilience on public and private property.

Corresponding Flood Resilience Principles

1. Understand fiscal realities and focus on the most cost-effective solutions for protection and adaptation of our communities, businesses, and critical infrastructure.
2. Utilize community and regional scale planning to the maximum extent possible, seeking region specific approaches tailored to the needs of individual communities.

CRMP, Phase II: Coastal Resilience TAC Recommendations

Funding Subcommittee | Q4 2024 Subcommittee Meeting Handout

Recommendation E

DRAFT Revised Recommendation

State agencies should monitor and evaluate the success of the state's funding, including appropriations and grant and loan programs, to address short-term and long-term challenges and consider additional financial mechanisms that may be needed to address longer-term challenges, such as strategic relocation, saltwater intrusion into public drinking water systems, and infrastructure abandonment.

Recommendation Changes and Comments

TAC comments at 9/18 TAC meeting

- This recommendation recognizes that sticking with the status quo over an extended period of time is not a feasible alternative.

Revised Recommendation Text presented at the 9/18 TAC meeting

Same as draft revised recommendation.

Subcommittee Comments prior to 9/18 TAC meeting

HRPDC

State agencies should monitor and evaluate the success of the state's financial products funding, including appropriations and grant and loan programs, to address short-term and long-term challenges, and consider additional financial mechanisms that may be needed to address longer-term challenges, such as strategic relocation, saltwater intrusion into public drinking water systems, and infrastructure abandonment.

Revised Recommendation for Subcommittee Comment prior to 9/18 TAC meeting

State agencies should monitor and evaluate the success of the state's financial products to address short-term and long-term challenges, and consider additional financial mechanisms that may be needed to address longer-term challenges, such as strategic relocation, saltwater intrusion into public drinking water systems, and infrastructure abandonment.

Original Recommendation Text

Evaluate existing state grant funds such as the Flood Fund which primarily supports short term projects and maybe should be looking longer-term. Consider additional funding mechanisms that may be needed for longer-term challenges, e.g., strategic relocation, saltwater intrusion into public drinking water systems, infrastructure abandonment, etc. [C.3.1.b]

Additional Information about the Recommendation (For Context Only)

DRAFT Purpose for Subcommittee Review

Utilize adaptive management for state-directed financial products to address the immediate and long-term challenges of flooding.

CRMP, Phase II: Coastal Resilience TAC Recommendations

Funding Subcommittee | Q4 2024 Subcommittee Meeting Handout

Corresponding Flood Resilience Principles

1. Understand fiscal realities and focus on the most cost-effective solutions for protection and adaptation of our communities, businesses, and critical infrastructure.
2. We are committed to addressing challenges relating to flooding and resiliency.

[F-a]

The Chief Resilience Officer should request that the Interagency Resilience Management Team provide timely financial tools and reports to local governments, 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.

Purpose

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 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.

Purpose

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, 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.

Purpose

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.

Purpose

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 and the Commonwealth and consider additional financial mechanisms as appropriate.

Purpose

Utilize adaptive management for state-directed funding programs to address the immediate and long-term challenges of flooding.