

Virginia Coastal Resilience Technical Advisory Committee

Quarterly TAC Meeting Agenda

Date: Tuesday, June 27, 2023

Time: 09:30 AM

Location: Patrick Henry Building, East Reading Room
1111 E Broad St, Richmond, VA

Virtual Public Access: Register at <https://attendee.gotowebinar.com/register/6659951267176916830>

Meeting Agenda

- 1) Call to Order, Roll Call, and Introductions
- 2) Adoption of Meeting Minutes from March 16, 2023
- 3) Reports from DCR
 - a. Virginia Coastal Resilience Master Plan Phase II Update
 - i. Pluvial Modeling Update
 - ii. Resilience Web Explorer Update
 - b. Other DCR Updates
 - i. Resilience Planning Website
 - ii. Status of Flood Resilience Report Update
 - iii. Resilience Coordination Working Group Update
 - iv. Community Flood Preparedness Fund and Resilient Virginia Loan Fund Update
- 4) Old Business
 - a. Bipartisan Infrastructure Law (BIL) Resilience Improvement Plan (RIP) Update
 - b. FEMA STORM Program and other FEMA Funding Update
 - c. TAC Charter Update
- 5) New Business
 - a. Virginia Flood Protection Master Plan/Coastal Resilience Master Plan, Phase II
 - b. TAC Subcommittees Discussion
 - c. TAC Member Discussion
- 6) Public Comment
- 7) Adjourn

---Public Comment: If you seek to provide public comment, please sign up either in-person or virtually using the Chat window.

Coastal Resilience Technical Advisory Committee

Quarterly Meeting
June 27, 2023
9:30 – 11:30 am
Patrick Henry Building, Richmond VA

6/27/2023

COASTAL RESILIENCE TAC MEETING

1



1

Meeting Agenda

- Call to Order, Roll Call, and Introductions
- Adoption of Meeting Minutes from March 16, 2023
- Reports from DCR
 - Coastal Resilience Master Plan Update
 - Other Updates
- Old Business
 - Action Item Updates
 - Proposed TAC Charter Changes
- New Business
 - VFPMP - CRMP Integration
 - Subcommittees
- Public Comment

6/27/2023

COASTAL RESILIENCE TAC MEETING

2



2

TAC Roles and Responsibilities

Roles and Responsibilities via [§10.1-659](#)

The CRO shall establish the TAC to assist with developing, updating, and implementing the Virginia Coastal Resilience Master Plan.

The TAC shall ensure that:

- Risk evaluations and project prioritization protocols are regularly updated and are informed by the best applicable scientific and technical data;
- Statewide/regional needs are addressed using the best applicable science and long-term resilience approaches; and
- The [Virginia Coastal Resilience Master Planning Framework](#) is adhered to in the development and updating of the Virginia Coastal Resilience Master Plan.

Attend Quarterly TAC Meetings to:

- Review updates to the Virginia Coastal Resilience Master Plan
- Receive updates about the progress of the Virginia Flood Protection Master Plan
- May be called upon to assist DCR with the Virginia Flood Protection Master Plan

6/27/2023

COASTAL RESILIENCE TAC MEETING

3



3

Virginia Coastal Resilience Master Plan, Phase II Update

Coastal Resilience Web Explorer, User Portal Update

Pluvial Modeling Update

6/27/2023

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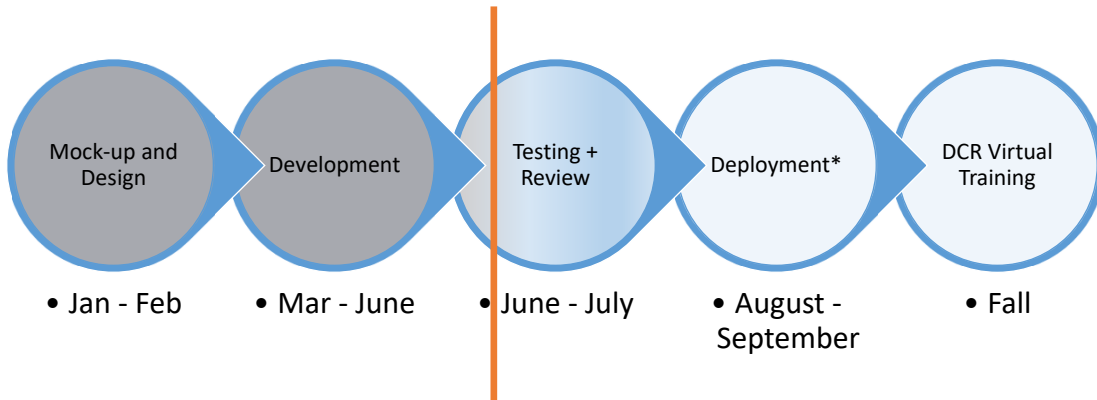
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4

Coastal Resilience Web Explorer User Portal Update

Schedule



* Includes 1-Time Bulk Upload for PDCs via DEQ CZM Grant

5

VIRGINIA COASTAL RESILIENCE WEB EXPLORER Ver 1.0

Sign Out

Projects and Initiatives Funding Opportunities My Profile Admin

▼ Projects and Initiatives

Projects and Initiatives Summary

New Project
New Initiative
Copy Existing to Make a New Project/Initiative

Name	Category	Phase	Owner	Submitter	Submission Status	Submission Date
18th Street Drainage Improvements	Project	Under Construction	City of Chesapeake	Crystal Bloom	Archive Request	1/18/2023
1. Crow's Nest Peninsula and Estuary Conservation	Project	Proposed	Northern Virginia Conservation Trust (NVCT)	Rentz Hilyer	Archive Request	2/1/2023
2019 FMA	Project	Programmed	Gloucester	Anne Payne	Manager Review	2/3/2023
5th Street Improvements	Project	Proposed	Hampton	Scott Smith	Manager Review	2/15/2023
Aberdeen Gardens Drainage Improvements	Project	Proposed	Hampton	Scott Smith	Revision Request	1/30/2023

Click to select or double click to select and open the project or initiative details.

Page 1 of 102 | Go to page: 1 | Show 5
View All Reset Filters

Reports

Projects and Initiatives List

Submission Status Report

6/27/2023

COASTAL RESILIENCE TAC MEETING

6

6

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Projects and Initiatives Funding Opportunities My Profile Admin Print to PDF

Projects and Initiatives > Project Details

ID	72	Owner	Gloucester	Submitter Email	apayne@gloucesterva.info
Name	2019 FMA	Location CID	480662	Submission Status	Manager Review
Location	Gloucester	Submitter	Anne Payne	Submission Date	2/3/2023

Change Submission Status Edit Save Cancel

General Information

Name	2019 FMA
Location	Gloucester
Owner	Gloucester
Phase	Programmed
Related Initiative	No
Description	Goal is to elevate 4 residential structures. Expected outcome is that we will elevate 4 residential
Scale of Benefits	Individual Lot
Coastal Hazards Addressed	Other
Climate Standards	No Scenarios
Class	Natural and Nature-Based Projects
Type	Conservation & Adaptation
Subtype	Parcel Level Adaptation Program
Implementation Cost	\$752,390

6/27/2023 COASTAL RESILIENCE TAC MEETING 7

7

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Projects and Initiatives Funding Opportunities My Profile Admin Print to PDF

Funding Opportunities > Funding Opportunity Details

ID	33	Administering Office	National Oceanic and Atmospheric Administration (NOAA) Chesapeake Bay Office Fisheries Research Program	Submission Status	Revisions Required
Name	Chesapeake Bay Fisheries Research Program	Submitter	Matt Dalon	Submission Date	2/15/2023
Status	Inactive	Submitter Email	matt.dalon@dcrvirginia.gov		

Change Submission Status Edit Save Cancel

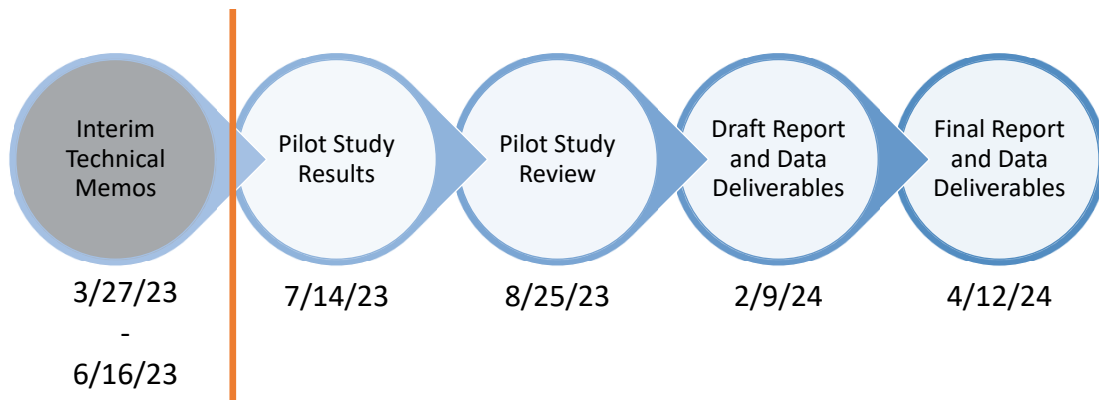
General Information

Name	Chesapeake Bay Fisheries Research Program
Status	Inactive
Administering Office	National Oceanic and Atmospheric Administration (NOAA) Chesapeake Bay Office Fisheries Research Program
Funding Source	NOAA Chesapeake Bay Fisheries Research Program
Funding Type	Federal
Purpose	Supports: Research that helps to inform fisheries management and natural resource decisions
Applicant Match/Cost-Share	None
Project and Initiative Category	Capacity Building and Planning
Project and Initiative Class	Studies & Data Tools
Project and Initiative Type	Data Collection, Management, Accessibility
Applicant Type	Commonwealth of Virginia
Match Requirements	N/A
Applicable Project Phase for Funding	Proposed

6/27/2023 COASTAL RESILIENCE TAC MEETING 8

8

Pluvial Modeling Update



6/27/2023

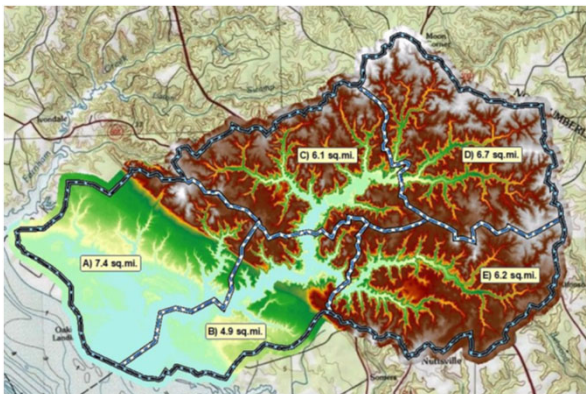
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9

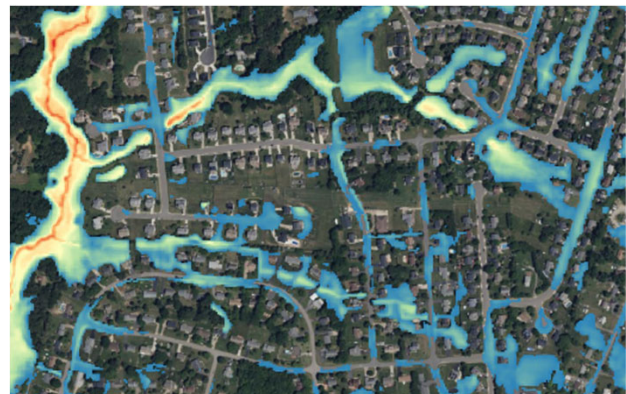


9

Pilot Study Results



Example HUC12 split into subbasins



Example Flood Inundation Raster demonstrating a 24-hour, 500-year storm under 2050-2100, RCP 8.5 conditions.

6/27/2023

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10



10

Pluvial Modeling – Response to Comments

- ITM #1 Model Development

- Topographic Data
- Land Use Cover Data
- Open Boundary Conditions



Figure 1. YBMP imagery, 30-meter NLCD, and one-meter VSLCD.

- ITM #2 Model Forcing

- Climate Scenarios

- ITM #3 Model Pipeline (Under Review)

6/27/2023

COASTAL RESILIENCE TAC MEETING

11



11

Pilot Study Pluvial Flood Modeling Overview

- Up to 63 simulations per sub-basin

- Duration
 - 2-hr, 6-hr, 24-hr durations;
- Return Interval
 - 2-, 5-, 10-, 25-, 50-, 100-, 500-year events; and
- Three future conditions scenarios (at the Intergovernmental Panel on Climate Change [IPCC] Representative Concentration Pathways [RCP]):
 - Median values for 2020-2070 @ RCP 8.5
 - Median values for 2050-2100 @ RCP 4.5
 - Median values for 2050-2100 @ RCP 8.5

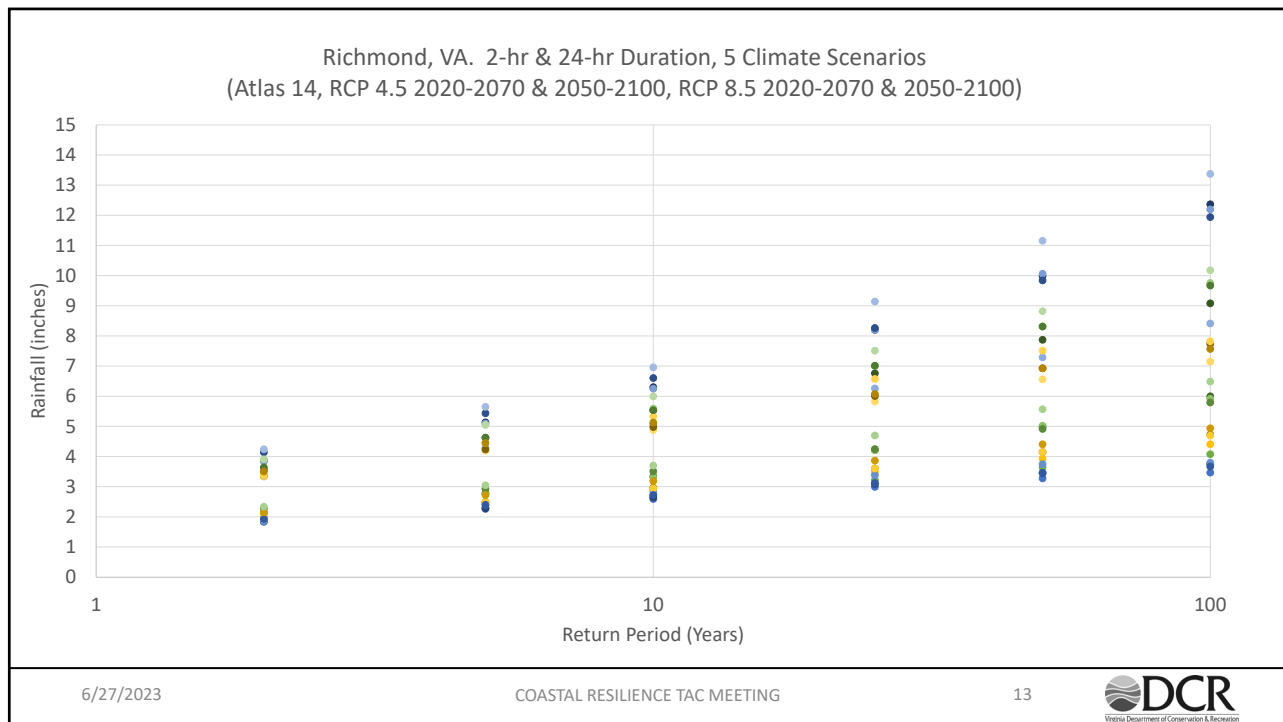
6/27/2023

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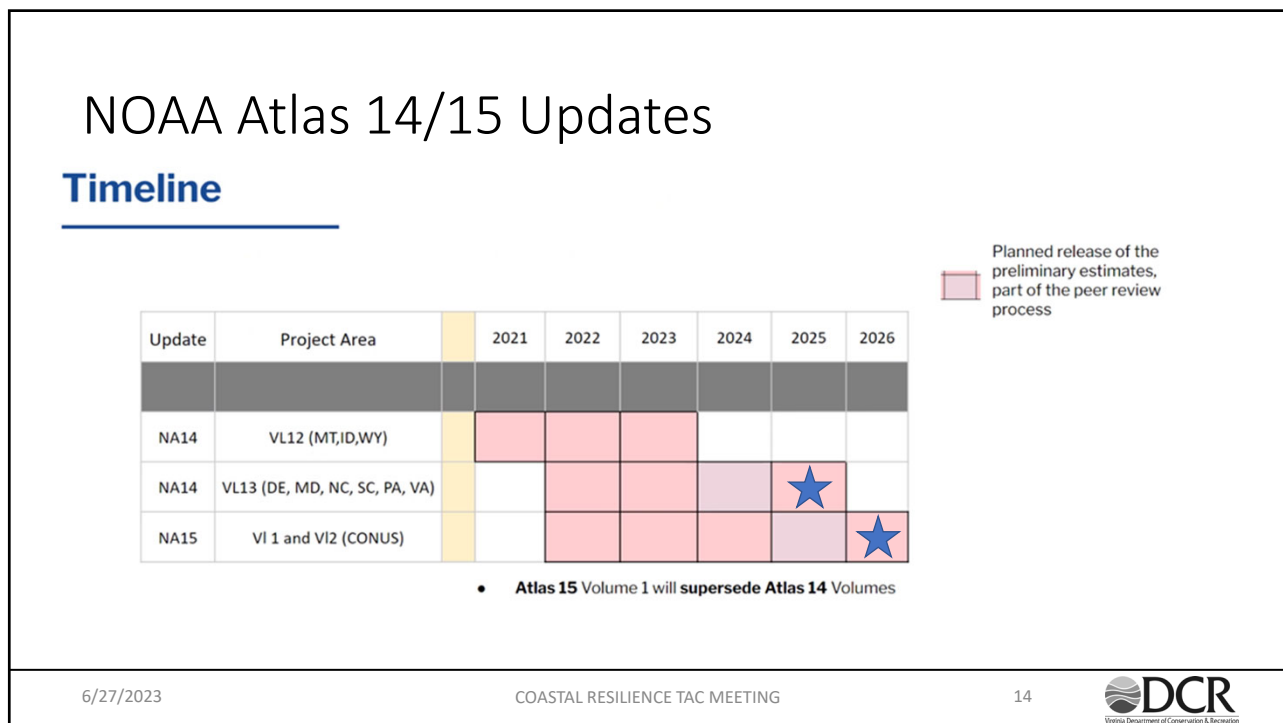
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12



13



14

Other DCR Updates

Office of Resilience Planning
 Status of Flood Resilience Report
 Resilience Coordination Working Group
 Community Flood Preparedness Fund & Resilience Virginia Revolving Fund

6/27/2023

COASTAL RESILIENCE TAC MEETING

15



15

Office of Resilience Planning

Organizational Changes at DCR

- **Division of Dam Safety and Floodplain Management is Now:**
 - Division of Dam Safety
 - Division of Floodplain Management
 - Office of Resilience Planning

- **New Office of Resilience Planning Webpages to be released next month.**

6/27/2023

COASTAL RESILIENCE TAC MEETING

16



16

Status of Flood Resilience Report

Amended § [2.2-222.4](#) Chief Resilience Officer in 2022 General Assembly

- Status of Flood Resilience in the Commonwealth
 - Report to the Governor and General Assembly to:
 - Evaluate flood protection for critical infrastructure, including human and natural infrastructure.
 - Identify risks to critical transportation, energy, communication, water and food supply, waste management, health, and emergency services infrastructure.
 - Include the status of flood resilience planning.
 - Scheduled for release in July 2023 and every 2-years thereafter.
- Coordinating with VDEM on Critical Infrastructure Assessments

6/27/2023

COASTAL RESILIENCE TAC MEETING

17



17

Resilience Coordination Working Group

- This Working Group is being established by the Chief Resilience Officer in furtherance of Governor Youngkin's goal of addressing challenges related to flooding and resilience, and in the spirit of engaging collaboratively with the General Assembly on this important issue. The Working Group has the following purposes:
 - To consider and assess strategies and policies for the Commonwealth to improve intergovernmental and interagency coordination; and
 - To maximize the procurement of federal and private funding opportunities in planning for and implementing flood resilience throughout the Commonwealth
- Started in January 2023 and will issue report in November 2023
- Next meetings 6/27 (today)-Richmond, 8/1-Charlottesville, 9/26-Richmond
- Meetings are open to the public
- <https://www.dcr.virginia.gov/dam-safety-and-floodplains/resilience-coordination-working-group>

6/27/2023

COASTAL RESILIENCE TAC MEETING

18



18

Community Flood Preparedness Fund Resilient Virginia Revolving Fund

- CFPF Round 4 and initial RVRF Grant Manual(s) drafted for public comment, joint application period to follow
- Shift to an annual cycle, combination of grants and loans
- Goal is to have programs run together and compliment each other
- Both programs have tremendous flexibility for project types; both can offer grants and loans.
- Generally, the CFPF is geared towards larger, community-scale projects, while the RVRF is more directed towards individual property and buildings.
- CFPF prefers nature based; has 25% low-income requirement
- RVRF prefers projects that will utilize private industry and/or serve 2+ local gov'ts; has building hazard mitigation carve-out

CFPF	RVRF
<u>Community Scale</u> <ul style="list-style-type: none"> • Flood protection studies • Capacity Building • Flood Planning Activities • Hazard mitigation projects • Land acquisition • Implementation of land use controls 	<u>Property Scale</u> <ul style="list-style-type: none"> • Hazard mitigation of buildings • Hazard mitigation of real property • Home buyouts and relocation • Loans and grants to persons for hazard mitigation and infrastructure improvement projects for resilience purposes • Projects identified in the Virginia Flood Protection Master Plan or the Virginia Coastal Resilience Master Plan.

6/27/2023

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19



19

Old Business

Bipartisan Infrastructure Law (BIL) Resilience Improvement Plan (RIP) Examples [VDOT]
 FEMA STORM and other FEMA Funding Update [VDEM]
 Proposed TAC Charter Changes for Remote Participation and Virtual Meetings

6/27/2023

COASTAL RESILIENCE TAC MEETING

20



20

Bipartisan Infrastructure Law (BIL) Resilience Improvement Plan (RIP) Update [VDOT]

- Most states are in the process of developing RIPs
 - Some states are drawing from Climate Action Plans as a starting point
- There is no FHWA approved RIP, at this time
 - To our knowledge, Kentucky DOT is the only state that submitted a formal RIP to FHWA
 - VDOT submitted its Resilience Plan for informal comments on whether it meets RIP requirements
- Challenging elements that most states have in common
 - Consistency with State Hazard Mitigation Plan (SHMP)
 - VDOT's Resilience Plan is specifically cited in Virginia's SHMP, March 2023
 - Long Range Transportation Plan (LRTP) Coordination
 - Risk Based Assessment
 - Statewide coverage versus specific corridors/regions
- AASHTO Enterprise Risk Management Portal: [The ERM Portal \(erm-portal.com\)](https://erm-portal.com)

6/27/2023

COASTAL RESILIENCE TAC MEETING

21



21

FEMA STORM and Other Funding Update [VDEM]

- FEMA STORM Update
 - Application submitted in April. FEMA response pending.
- Other FEMA Funding Updates
 - Three significant projects in the Coastal Resilience Master Plan are being considered for funding by FEMA
 - City of Virginia Beach - Eastern Shore Drive Drainage Improvements - BRIC 2021
 - City of Hampton - N. Armistead Avenue Resilience Project - HMGP 4512
 - City of Portsmouth - Old Town Road Pump Station - PDM 2019
 - There are also several other coastal projects that are not included in the CRMP.

6/27/2023

COASTAL RESILIENCE TAC MEETING

22



22

Proposed TAC Charter Changes

- Section 2-4 Policy for Remote Participation in TAC Meeting - Changed
 - Additional provisions for remote participation added
- Section 2-5 Policy for All-Virtual Meetings – Added
 - Convene a maximum of two all-virtual public meetings per calendar year or up to 25% of the meetings held per calendar year
 - Cannot have consecutive all-virtual meetings.
 - These limitations shall apply separately with respect to the meetings of each of the TAC's Subcommittees
- Other minor changes and clarifications as noted

6/27/2023

COASTAL RESILIENCE TAC MEETING

23



23

New Business

VFPMP – CRMP Integration
Subcommittee Charges

6/27/2023

COASTAL RESILIENCE TAC MEETING

24



24

Integrated Resilience Planning

Contractor Support
 Coastal Resilience Master Plan, Phase II
 Virginia Flood Protection Master Plan
 Community Outreach and Engagement Plan

6/27/2023

COASTAL RESILIENCE TAC MEETING

25



25

Consulting Approach

RFPs to support Flood Resilience Planning

Resilience Planning and Consulting Contract(s)

- Qualification-based
 - Range of needed skills and capacities
- Task order-based
- May award multiple contracts
- Maximizing flexibility and resources
- DCR is developing RFP
 - Anticipated release: Jul 2023
 - Anticipated award: Nov 2023

Ongoing Dewberry Contracts:

- Pluvial modeling in coastal region
- Project and funding web app development for coastal resilience web explorer

Additional RFPs possible for IT solutions and ongoing flood awareness outreach and engagement support.

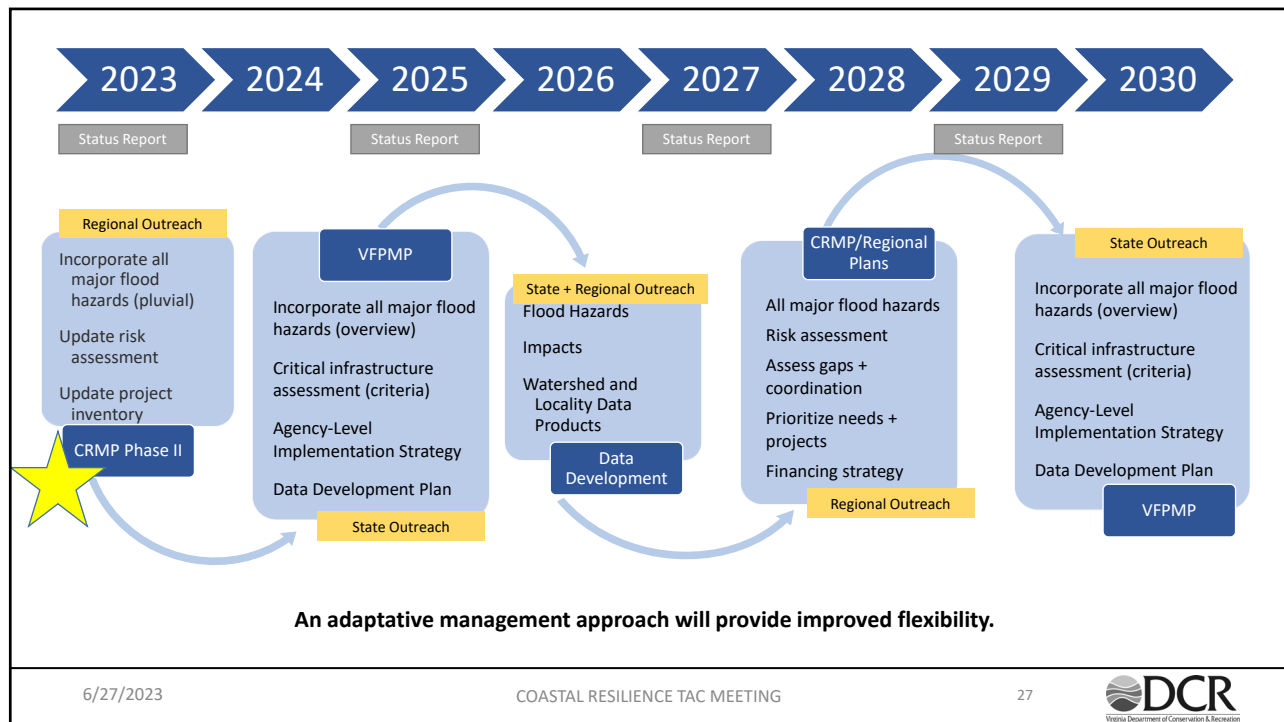
6/27/2023

COASTAL RESILIENCE TAC MEETING

26



26



27

Coastal Resilience Master Plan, Phase II Update

Phase 2 Code Requirements

- SACAP in coordination with DCR, shall update the Virginia Coastal Resilience Master Plan no later than December 31, 2024 (every 5 years thereafter)
- CRMP shall be a place-specific plan for mitigating severe and repetitive flooding and shall [adhere to the Framework Principles]
- Phase 2 will incorporate:
 - all major flood hazards, including precipitation-driven flooding
 - a comprehensive risk assessment of critical human and natural infrastructure
 - a list of all projects considered and an update of the status of all projects previously implemented
- Phase 2 will implement the Community Outreach and Engagement Plan

[2022 GA HB516/SB551 now §[10.1-658, 659](#)]

6/27/2023

COASTAL RESILIENCE TAC MEETING

28



28

CRMP Phase II, December 2024

CRMP Deliverables:

Dewberry	Incorporate Major Flood Hazards: Coastal Flooding Riverine/Fluvial Flooding Rainfall-Driven/Pluvial Modeling
Dewberry	Update Risk Assessment: Community Resources, Critical Sectors, Natural Infrastructure
Locality	Update Project Inventory
New Contractor	Outreach & Engagement

CRMP Schedule:

Utilize CRMP Coastal Data
 Utilize existing FEMA Fluvial Data
Apr 2024: Dewberry completes forward-looking pluvial modeling.
Jan-Nov 2024: Compound flooding – joint probability analysis?

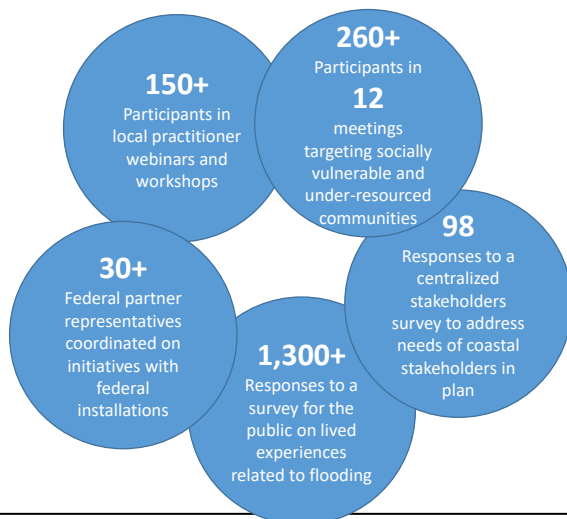
Apr-Nov 2024: Update Phase I impact assessment using updated flood hazard exposure mapping.

Dec 2023: Coastal PDCs submit updated list of flood resilience projects from their respective regions to DCR.
Ongoing: Updates and additions to Resilience Database

Ongoing: Quarterly TAC + subcommittee meetings.
Jan - Dec 2024: Ongoing public outreach + engagement.

CRMP Phase I: Outreach and Engagement

Phase I, By the Numbers



A few highlights from Phase I survey results

- **Lack of funding and knowledge of grants/financial resources** is the top challenge for coastal stakeholders, followed by **lack of institutional buy-in**.
- Many coastal stakeholders report that inadequate outreach efforts result in **only certain groups being represented or involved** in resilience efforts.
- **53%** of public survey respondents indicated that they **support a special benefit assessment charge** to fund flooding and sea level rise projects in their communities.
- Almost **35%** of public survey respondents indicated that they **have considered moving to avoid flood impacts**.
- **Nearly half** of all public survey respondents said they **do not know of any planning efforts underway to address flooding challenges in their area**.

CRMP Phase II: Outreach and Engagement

Purpose for Engagement:

1. Share and ground-truth flood hazard modeling
2. Identify critical infrastructure and other important resources to incorporate into risk assessment
3. Identify gaps between risk/need and existing projects, initiatives, and funding

Approach to Engagement:

- Engage the TAC to advise and inform on development of the plan
- Analyze/synthesize Phase I survey results, refine stakeholder mapping
- Participate in VDEM’s critical infrastructure coordination group
- Partner with PDCs to gather locality input
- Engage with Tribes to gather tribal input
- Support locality or direct-to-community engagement targeting high risk/low participation communities in collaboration with community-based organizations and local governments
- Host information online and utilize marketing tools to spread the word
- Host public info sessions at mid-point and end-point of planning process

The Role of the TAC

Deliverables:

Dewberry	Incorporate Major Flood Hazards: Coastal Flooding Riverine/Fluvial Flooding Rainfall-Driven/Pluvial Modeling
Locality	Update Risk Assessment: Community Resources, Critical Sectors, Natural Infrastructure
New Contractor	Update Project Inventory
New Contractor	Outreach & Engagement

Project Prioritization Subcommittee:

- Advise on **Risk Assessment** Inputs and Outputs for Decision Makers, Project Coordination, & Gaps Identification
- Advise on **Resilience Database** development

Funding Subcommittee:

- Advise on what **CRMP funding needs** should be included in the Plan and recommendations to meet the need

Research, Data, and Innovation Subcommittee:

- Advise on **Flood Hazards** – CRMP Phase II Pluvial Data, existing Fluvial Data, and compound flooding analysis
- Advise on **Risk Assessment** Inputs
- Identify **data development needs**

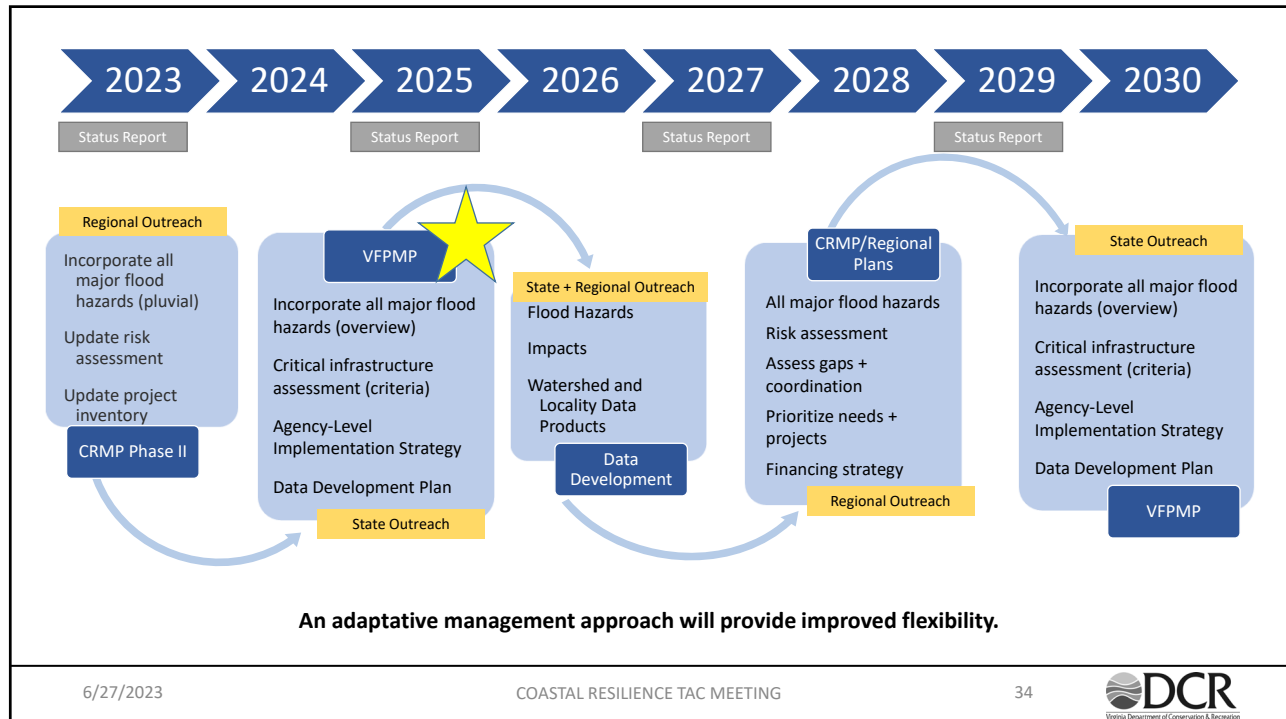
Outreach and Coordination Subcommittee:

- Advise on Whole Community **Outreach & Engagement**
 - Support **stakeholder mapping**
- Advise on **locality capacity and needs assessment**

VFPMP + Future Regional Plans

December 2025 + Beyond

33



34

Flood Protection Master Plan

Purpose:

1. Guide **state policy** to build flood resilience
2. Provide direction and resources to PDCs, localities and other stakeholders to **support and encourage local action**

Goals:

Unifying Vision:

Outline a cohesive vision and approach to flood resilience, including to provide resources in support of local action

Data Inventory:

Identify and compile actionable and accessible flood risk analysis products statewide and future data production needs

Critical Infrastructure Risk Assessment:

Identify priority concerns

State-Level Implementation Strategy:

Identify goals, actions, responsible parties, and funding

6/27/2023

COASTAL RESILIENCE TAC MEETING

35



35

Coastal (Regional) Resilience Master Plan(s)

Purpose:

Provide **process, structure, and resources** to support regional and local actors to conduct place-based flood resilience planning in their communities.

Goals:

Prioritize Needs + Projects

based on an assessment of all major flood hazard risks to critical infrastructure

Establish a Financing Strategy

for the state to support the projects identified as priorities

Coordinate Efforts

between federal, state, regional, and local action to reduce conflict and maximize impact of flood resilience efforts

6/27/2023


COASTAL RESILIENCE TAC MEETING

36



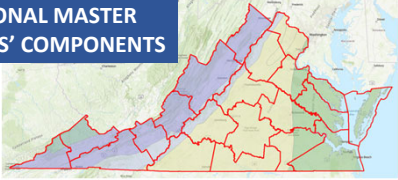
36

Proposed Plan Components + Integration



STATEWIDE COMPONENTS

- **A Vision for the Future**
- **Flood Hazard Exposure Overview**
- **Critical Infrastructure Assessment Criteria**
 - By sector: human, natural, built
- **Flood Protection Planning + Capacity Assessment of Agencies**
- **Flood Resilience Goals, Strategies, Actions, Responsible Agencies**
 - Policy, Guidelines, Technical Assistance, Data and Info Provision, Funding, etc.
- **Incorporated by Reference: Regional Master Plans (See Right)**



REGIONAL MASTER PLANS' COMPONENTS

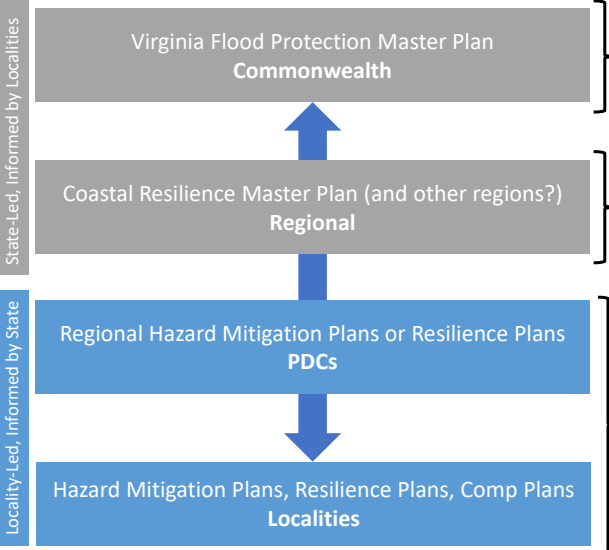
- **A Vision for the Future (Regional)**
- **Flood Hazard Exposure Areas (Watershed Based Approach)**
 - Inventory of flood-prone areas (current + future risk)
 - Record of flood damages
- **Risk Assessment (Watershed, PDCs, & Localities)**
 - Flood risk to people, property, and environment
 - Critical Infrastructure Risk by asset: human, natural, built
- **Flood Protection Planning + Capacity Assessment (PDCs, Localities)**
 - Inventory of flood protection studies, projects
 - Identify opportunities and gaps
- **State Project Prioritization + Funding Strategy**
- **Additional Strategies for Regional and State Action**

← Dashed arrow from 'Incorporated by Reference' points to 'Regional Master Plans'.

6/27/2023
COASTAL RESILIENCE TAC MEETING
37


37

Multi-Level Plan Integration



**Virginia Flood Protection Master Plan
Commonwealth**

**Coastal Resilience Master Plan (and other regions?)
Regional**


**Regional Hazard Mitigation Plans or Resilience Plans
PDCs**

**Hazard Mitigation Plans, Resilience Plans, Comp Plans
Localities**

DCR leads and administers the planning process with state agencies and other stakeholders to focus on statewide risk and state policy action informed by regional master plans.

DCR leads and administers a planning process with groups of PDCs to translate contents of PDC and/or local plans into prioritized regional actions and needs for state support.

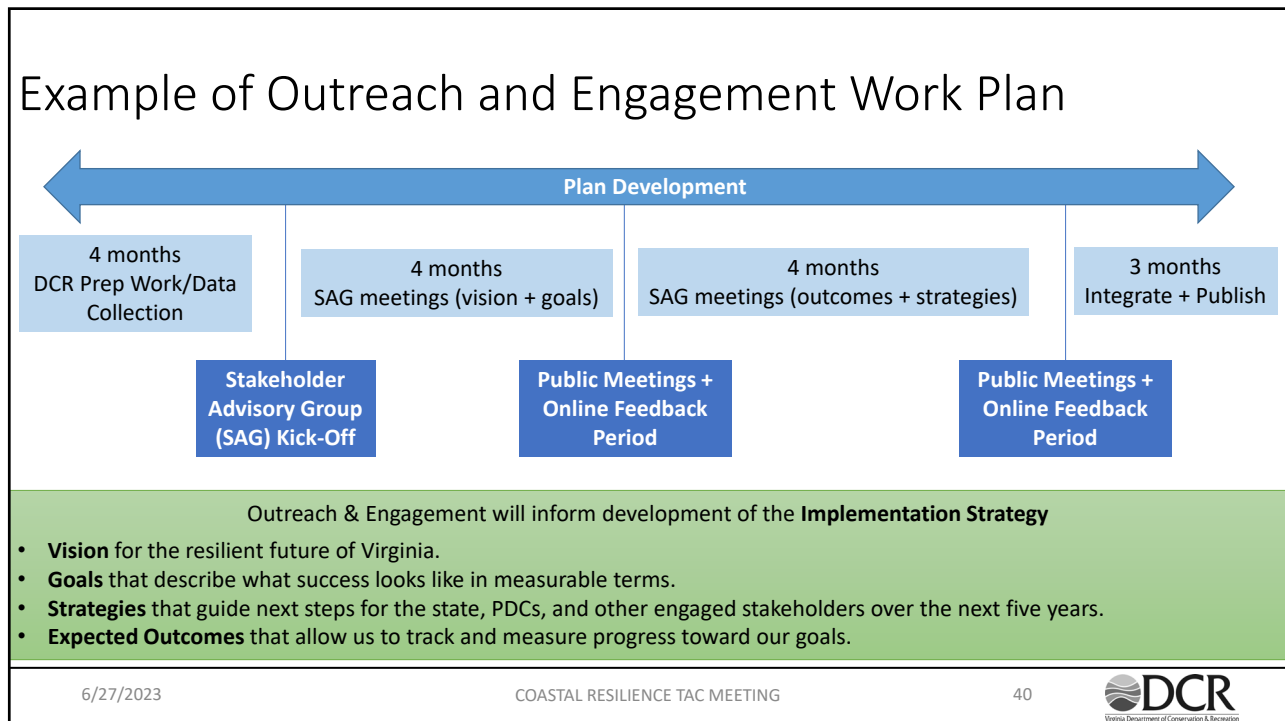
PDCs and/or localities - cognizant of local conditions, capacities, and priorities - develop detailed flood resilience master plans with support from CFPF and/or incorporate flood resilience in hazard mitigation plans with support from VDEM/FEMA or other local plans (i.e. Comprehensive Plan).

6/27/2023
COASTAL RESILIENCE TAC MEETING
38


38



39



40

Questions/Comments?

41

Subcommittees

Roster and Meeting Expectations

Short-Term and Long-Term Charges for Discussion

42

Subcommittee Roster

Subcommittee Chair

	Subcommittee #1 Project Prioritization	Subcommittee #2 Funding	Subcommittee #3 Research, Data, and Innovation	Subcommittee #4 Outreach and Coordination
	[SC1-PP]	[SC2-FUN]	[SC3-RDI]	[SC4-O&C]
Membership	A-NPDC Crater PDC HRPDC NNPDC PlanRVA VDOT VMRC Virginia Port Authority Wetlands Watch Office of Data Governance and Analytics	HRPDC MPPDC DHCD Sea Grant VDEM VDOT VMRC VRA W&M VCPC VA Chamber of Commerce	HRPDC NVRC DEQ Sea Grant VMRC VTRC ODU-ICAR UVA-EI VIMS VT Wetlands Watch	GWRC Upper Mattaponi DHCD ODOI NSU VDOT USACE Virginia Farm Bureau The Nature Conservancy Wetlands Watch Virginia Manufacturers Association
Advisors				Sec of Education Navy

6/27/2023
COASTAL RESILIENCE TAC MEETING
43

43

Subcommittee Deliverables

- Prior to the next TAC meeting:
 - Subcommittee Chair to convene a meeting
 - Public, in-person meeting
 - Virtual attendance permitted in accordance with existing TAC Charter
 - PMG and DCR to provide support
 - Post meeting notice and agenda
 - Calendar invitations
 - Meeting notes
 - Meeting facilitation

- At the next TAC meeting:
 - Identify additional advisors
 - Subcommittee Chair to report out on
 - Short-term recommendation(s)
 - Long-term charge status update
 - Other items discussed
- Short-Term = Next Meeting(s)
 - 2023Q3/4 – Recommendations for DCR to implement in 2024 Planning Process
- Long-Term = CRMP Phase II
 - 2024Q3 - Recommendations to be included in CRMP

6/27/2023
COASTAL RESILIENCE TAC MEETING
44

44

The Role of the TAC

Deliverables:

Dewberry	Incorporate Major Flood Hazards: Coastal Flooding Riverine/Fluvial Flooding Rainfall-Driven/Pluvial Modeling
Dewberry	Update Risk Assessment: Community Resources, Critical Sectors, Natural Infrastructure
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New Contractor	Outreach & Engagement

Project Prioritization Subcommittee:

- Advise on **Risk Assessment** Inputs and Outputs for Decision Makers, Project Coordination, & Gaps Identification
- Advise on **Resilience Database** development

Funding Subcommittee:

- Advise on what **CRMP funding needs** should be included in the Plan and recommendations to meet the need?

Research, Data, and Innovation Subcommittee:

- Advise on **Flood Hazards** – CRMP Phase II Pluvial Data, existing Fluvial Data, and compound flooding analysis.
- Advise on **Risk Assessment** Inputs
- Identify **data development needs**

Outreach and Coordination Subcommittee:

- Advise on Whole Community **Outreach & Engagement**
 - Support **stakeholder mapping**
- Advise on **locality capacity and needs assessment**

6/27/2023

COASTAL RESILIENCE TAC MEETING

45



45

Project Prioritization Subcommittee

Objectives

- Inform and support critical built, human, and natural infrastructure inventory
- Identify resilience gaps and potential solutions based on the best scientific, engineering, and socioeconomic information.
- To inform future planning efforts
 - Develop objective protocols for evaluating and prioritizing identified project needs for the Coastal Region.
 - Develop objective protocols for evaluating and prioritizing project alternatives.
 - Recommend separate evaluation protocols for critical human, built, and natural infrastructure needs.
- Action Item for Next Meeting
 - What impact assessment outputs are needed for regional decision-making, coordination, and collaboration?
 - What inputs are needed to provide the outputs?
- Long-Term Charge for Discussion
 - Recommendations for prioritizing multi-jurisdictional needs and proposed solutions.
 - Recommendations for Resilience Database development.

6/27/2023

COASTAL RESILIENCE TAC MEETING

46



46

Funding Subcommittee

Objectives

- Recommend how state agencies can leverage and align existing resilience revenue streams or recommend new revenue or financing sources to meet the Coastal Resilience Master Plan needs.
- Identify methods to support local revenue needed to build capacity and implement flood resilience projects.
- Recommend a process by which public and private economic development activity in coastal Virginia, including transportation and other infrastructure projects, can be aligned with the principles and goals of the Coastal Resilience Master Plan.
- **Action Item for Next Meeting**
 - What funding needs should be identified in the CRMP Phase II?
- **Long-term Charge for Discussion**
 - Provide recommendations on how to meet the funding needs in the Coastal Region.

6/27/2023

COASTAL RESILIENCE TAC MEETING

47



47

Research, Data, and Innovation Subcommittee

Objectives

- Recommendations to effectively incorporate of climate change projections in state programs.
- Track ongoing research related to coastal resilience.
- Provide recommendations to integrate best available data and practices into resilience planning.
- Innovation through R&D, public-private partnerships, and collaborative research is needed to invent the novel, applied solutions necessary to enhance community resilience, economies, and culture, live with more water, and prepare tomorrow's workforce.
- **Action Item for Next Meeting**
 - Provide recommendations on the pluvial modeling climate scenario selections.
 - Advise on fluvial modeling data and scenario selection.
- **Long-Term Charge**
 - Identify innovation needs and provide recommendations to meet the needs.
 - Advise on ongoing research and data product that can support these efforts.

6/27/2023

COASTAL RESILIENCE TAC MEETING

48



48

Outreach and Coordination Subcommittee

Objectives

- Assist in developing and executing a comprehensive outreach strategy to engage coastal communities to inform the CRMP and VFPMP.
- Strengthen relationships with DoD and other federal facility owners to coordinate and enhance resilience work and accomplish shared goals.
- Strengthen relationships with Tribal Nations to coordinate and enhance resilience work and accomplish shared goals.
- **Short-Term Charge**
 - Provide resources for stakeholder mapping effort.
 - Provide recommendations for O&E implementation for CRMP Phase II.
- **Long-Term Charge**
 - Advise on a sustainable outreach and engagement strategy for the Coastal Region.
 - Recommend strategies to improve coordination with DoD, Tribal Nations, and Localities to implement future plans.

6/27/2023

COASTAL RESILIENCE TAC MEETING

49



49

Subcommittee Deliverables

- **Prior to the next TAC meeting:**
 - Subcommittee Chair to convene a meeting
 - Public, in-person meeting
 - Virtual attendance permitted in accordance with existing TAC Charter
 - PMG and DCR to provide support
 - Post meeting notice and agenda
 - Calendar invitations
 - Meeting notes
 - Meeting facilitation
- **At the next TAC meeting:**
 - Identify additional advisors
 - Subcommittee Chair to report out on
 - Short-term recommendation(s)
 - Long-term charge status update
 - Other items discussed
 - **Short-Term = Next Meeting(s)**
 - 2023Q3/4 – Recommendations for DCR to implement in 2024 Planning Process
 - **Long-Term = CRMP Phase II**
 - 2024Q3 - Recommendations to be included in CRMP

6/27/2023

COASTAL RESILIENCE TAC MEETING

50



50

Questions/Comments?

6/27/2023

COASTAL RESILIENCE TAC MEETING

51



51

Public Comment Period

In-Person Attendees

- Please sign up

Virtual Attendees

- Please enter your name into the GoToWebinar Chat Box

Please state your name, location, and organization (if applicable)

6/27/2023

COASTAL RESILIENCE TAC MEETING

52



52

2022 CRMP TAC Charter

Table of Contents

SECTION 1 -- PURPOSE AND BASIC PRINCIPLES	2
SECTION 1-1 PURPOSE OF THE TAC CHARTER	2
SECTION 1-2 FIVE BASIC PRINCIPLES UNDERLYING THE TAC CHARTER	2
SECTION 1-3 MEMBERSHIP	2
SECTION 1-4 ROLE OF THE TAC	2
SECTION 2 -- MEETINGS.....	3
SECTION 2-1 QUARTERLY MEETINGS.....	3
SECTION 2-2 SPECIAL MEETINGS	3
SECTION 2-3 QUORUM AND METHOD OF VOTING	3
SECTION 2-4 POLICY FOR REMOTE PARTICIPATION IN TAC MEETING	33
SECTION 2-5 POLICY FOR ALL-VIRTUAL MEETINGS.....	44
SECTION 2-6 TAC TO SIT IN OPEN SESSION	54
SECTION 3 -- OFFICERS	5
SECTION 3-1 CHAIR AND VICE-CHAIR	5
SECTION 3-2 PRESERVATION OF ORDER	5
SECTION 4 -- CONDUCT OF BUSINESS.....	5
SECTION 4-1 STATUTORY REQUIREMENTS	5
SECTION 4-2 ORDER OF BUSINESS	5
SECTION 4-3 PUBLIC COMMENT.....	65
SECTION 4-4 MEETING AGENDA SUBMISSIONS	65
SECTION 4-5 CHAIR SUSPENDING RULES	65
SECTION 4-6 AMENDMENT OF RULES	65
SECTION 4-7 ROBERT'S RULES OF ORDER.....	6
SECTION 5 -- AGENDA	6
SECTION 5-1 PREPARATION	6
SECTION 5-2 DELIVERY OF AGENDA	6
SECTION 6 -- TAC APPOINTMENTS	76
SECTION 6-1 TAC STANDING OF AD-HOC SUBCOMMITTEES	76
SECTION 6-2 ADVISOR APPOINTMENTS	76
SECTION 6-3 ATTENDANCE.....	76

SECTION 1 -- PURPOSE AND BASIC PRINCIPLES

Section 1-1 Purpose of the TAC Charter

- A. To enable the Coastal Resilience Technical Advisory Committee (hereinafter referred to as the TAC) to conduct meetings expeditiously and efficiently;
- B. To protect the rights of each individual;
- C. To preserve a spirit of cooperation among TAC members; and
- D. To determine the pleasure of the TAC on any matter.

Section 1-2 Five Basic Principles Underlying the TAC Charter

- A. Only one subject may claim the attention of the TAC at one time;
- B. Each item presented for consideration is entitled to full and free discussion;
- C. Every member has rights equal to every other member;
- D. In instances where the TAC acts by majority decision, the rights of the minority must be preserved; and
- E. TAC members should seek to act in the best interests of the Commonwealth.

Section 1-3 Membership

- A. The TAC is an advisory committee pursuant to Section 10.1-659 of the Code of Virginia.
- B. Members shall serve at the pleasure of the Governor, subject to statutory requirements. Appointed members shall serve in an advisory role without compensation.
- C. The TAC shall be comprised of representatives of state agencies, coastal planning district commissions, regional commissions, academic advisors, and any other representatives as needed.
- D. The Governor or the Chair acting on the Governor's behalf may invite any other representatives as needed to serve as a TAC member.
- E. All TAC members may designate someone within their organization to serve as their designee. TAC members may identify an Alternate to serve as a proxy for the TAC member. Both designees and alternates shall be consistent and documented.
- F. The Department, the Special Assistant to the Governor for Coastal Adaptation and Protection, and the Coastal Zone Management Program shall provide staff support to the TAC.

Section 1-4 Role of the TAC

- A. Pursuant to Section 10.1-659 of the Code of Virginia, the TAC shall assist with developing, updating, and implementing the Virginia Coastal Resilience Master Plan.
- B. The TAC shall ensure that
 1. Risk evaluations and project prioritization protocols are regularly updated and are informed by the best applicable scientific and technical data;
 2. Statewide and regional needs are addressed using the best applicable science and long-term resilience approaches; and
 3. The Virginia Coastal Resilience Master Planning Framework is adhered to in the development and updating of the Virginia Coastal Resilience Master Plan.
- C. The TAC shall also review updates to the Virginia Coastal Resilience Master Plan and receive updates about the progress of the Virginia Flood Protection Master Plan at each meeting.
- D. Additionally, the TAC may be called upon to assist the Department with the development and updating of the Virginia Flood Protection Master Plan.

SECTION 2 -- MEETINGS

Section 2-1 Quarterly Meetings

- A. The time and place of quarterly meetings of the TAC shall be established by the Chair in coordination with TAC members in accordance with Section 10.1-659 of the Code of Virginia. TAC support staff will send meeting invitations to all TAC members as well as post meetings on Regulatory Town Hall and the DCR Website at least seven working days prior to the meeting.

Section 2-2 Special Meetings

- A. The TAC may hold such special meetings, as the Chair deems necessary, at such times and places as it may find convenient, ~~and it may adjourn from time to time. Only matters specified in the notice shall be acted upon unless all of the members of the TAC are present.~~ Where a special meeting has been called, the TAC shall give such notice of the time, place and purpose of the meeting as is feasible.

Section 2-3 Quorum and Method of Voting

- A. At any meeting, those members of the TAC physically present shall constitute a quorum.
- B. All questions submitted to the TAC for decision shall be determined by a recorded vote. The Chair may choose to have the vote by voice vote or by show of hands. Any member who votes or abstains on a matter shall have the option of asking for a roll call vote. Upon such request, the TAC shall be polled and the name of each member voting and how he or she voted shall be recorded.
- C. Unless otherwise specified in this TAC Charter, motions shall be decided by a majority of members present, physically and virtually (pursuant to Section 2-4), and voting.
- D. Provided that notice that a recommendation may be ~~adopted~~ acted on (or voted on) is included in the agenda provided to members at least seven working days prior to a meeting, the TAC may make recommendations consistent with the mission and purpose of the TAC. When possible, these recommendations should be adopted by consensus. Where consensus is not possible, recommendations may be adopted by majority vote. However, members dissenting from the recommendation may provide a minority report that shall be included with the recommendation.
- E. A tie vote fails.

Section 2-4 Policy for Remote Participation in TAC Meeting

- A. It is the policy of the TAC that individual TAC members may participate in meetings of the TAC and TAC Subcommittees by electronic communication means from a remote location that is not open to the public only as permitted by Virginia Code §2.2-3708.1, as amended, and this policy. This policy shall apply strictly and uniformly to the entire membership and without regard to the identity of the member requesting remote participation or the matters that will be considered or voted on at the meeting.
- B. An individual member may participate from a remote location only if a quorum of the TAC is physically assembled at the ~~primary or central~~ meeting location, and the TAC has made arrangements for the voice of the remote participant to be heard by all persons at the primary or central meeting location.
- C. Individual members of the TAC may use remote participation instead of attending a public meeting in person if, in advance of the public meeting the member notifies the Chair that:
 - 1. The member has a temporary or permanent disability or other medical condition that prevents the member's physical attendance;
 - 2. A medical condition of a member of the member's family requires the member to provide care that prevents the member's physical attendance;

- ~~3. The member's principal residence is more than 60 miles from the meeting location identified in the required notice for such meeting; or~~
- ~~4. The member is unable to attend the meeting due to a personal matter and identifies with specificity the nature of the personal matter.~~
- ~~B. _____~~
- ~~C. Remote participation in a meeting due to an emergency or personal matter may be approved only if the requesting member notifies the Chair of the TAC that such member is unable to attend the meeting due to an emergency or personal matter and identifies with specificity the nature of the emergency or personal matter.~~
- ~~D. Remote participation in a meeting due to a temporary or permanent disability or other medical condition may be approved only if the requesting member notifies the Chair of the TAC that such member is unable to attend the meeting due to a temporary or permanent disability or other medical condition that prevents the member's physical attendance.~~
- ~~E.D.~~ As required by law, in the event of any such participation by a member from a remote location, the TAC shall record in its minutes the specific nature of the ~~emergency~~, personal matter, temporary or permanent disability or other medical condition, and the location from which the TAC member participated remotely.
- ~~F.E.~~ As required by law, remote participation that is due to ~~an emergency or a~~ personal matter shall be limited in each calendar year for each individual member to two (2) meetings or 25 percent of the meetings of the TAC, whichever is fewer. This limitation shall apply separately with respect to the meetings of each of the TAC's Subcommittees. ~~There is no limit to the number of times that a member may participate remotely for the other authorized purposes listed in C. 1. — 3. above.~~
- ~~F.~~ An individual member's request for participation from a remote location under this policy shall be considered approved upon receipt of the request by the Chair of the TAC unless the request is in violation of Section 2.2- 3708.1 of the Code of Virginia, as amended. If a member's participation from a remote location is disapproved because such participation would violate this policy, such disapproval shall be recorded in the minutes with specificity.

Section 2-5 Policy for All-Virtual Meetings

- ~~A. The TAC and TAC Subcommittees may convene a maximum of two all-virtual public meetings per calendar year or up to 25% of the meetings held per calendar year rounded up to the next whole number, whichever is greater. However, the all-virtual meetings cannot be held consecutively with another all-virtual meeting. These limitations shall apply separately with respect to the meetings of each of the TAC's Subcommittees.~~
- ~~B. All-virtual public meetings may be convened for The TAC and TAC Subcommittees may hold all-virtual public meetings under the following circumstances the following reasons:~~
 - ~~1. It is impracticable or unsafe to assemble a quorum of the TAC in a single location, but a state of emergency has not been declared by the Governor or Board of Supervisors; or~~
 - ~~2. Other circumstances warrant the holding of an all-virtual public meeting, including, but not limited to, the convenience of an all-virtual meeting.;~~~~The TAC cannot convene an all virtual public meeting more than two times per calendar year or 25 percent of the meetings held per calendar year rounded up to the next whole number, whichever is greater, or consecutively with another all-virtual public meeting. This limitation shall apply separately with respect to the meetings of each of the TAC's Subcommittees.~~
- ~~C. All-virtual public meetings must meet the following conditions in accordance with §2.2-3708.3:~~
 - ~~1. An indication of whether the meeting will be an in-person or all-virtual public meeting is included in the required meeting notice along with a statement notifying the public that~~

the method by which a public body chooses to meet shall not be changed unless the public body provides a new meeting notice in accordance with the provisions of § 2.2-3707;

2. The phone number of the Chair or designated staff will be provided at the start of each meeting to alert the TAC if the audio or video transmission of the meeting fails. ~~The, the~~ TAC staff will monitor such designated means of communication during the meeting, and the TAC will take a recess until public access is restored if the transmission fails for the public; and
3. No more than two members of the TAC are together in any one remote location unless that remote location is open to the public to physically access it;

~~The TAC does not convene an all-virtual public meeting (i) more than two times per calendar year or 25 percent of the meetings held per calendar year rounded up to the next whole number, whichever is greater, or (ii) consecutively with another all-virtual public meeting. This limitation shall apply separately with respect to the meetings of each of the TAC's Subcommittees.~~

Section 2-6 TAC to Sit In Open Session

- A. The TAC shall sit in open session and all persons conducting themselves in an orderly manner may attend the meetings.

SECTION 3 -- OFFICERS

Section 3-1 Chair and Vice-Chair

- A. Pursuant to Section 10.1-659 of the Code of Virginia, the Chief Resilience Officer as defined by Section 2.2-222.4 of the Code of Virginia shall serve as Chair of the Committee.
- B. The Chair shall preside over all meetings of the TAC. The Chair shall appoint TAC members to serve on standing committees and ad hoc committees established by the TAC. The Chair shall annually appoint a Chair for each standing subcommittee.
- C. The Vice-Chair shall be the Special Assistant to the Governor for Coastal Adaptation and Protection as defined by Section 2.2-435.11 of the Code of Virginia. The Chair may appoint additional Vice-Chairs and officers, as he deems necessary.

Section 3-2 Preservation of Order

- A. At meetings of the TAC, the presiding officer shall preserve order and decorum.

SECTION 4 -- CONDUCT OF BUSINESS

Section 4-1 Statutory Requirements

- A. The TAC will comply with the requirements of the Freedom of Information Act (FOIA) as contained within Chapter 37 of Title 2.2 of the Code of Virginia and the Administrative Process Act (APA) as contained within Chapter 40 of Title 2.2 of the Code of Virginia.

Section 4-2 Order of Business

- A. The TAC shall adopt an agenda for each meeting by recorded vote pursuant to Section 2-3. The adoption of the agenda shall be the first item for action following the Call to Order and Roll Call.

Section 4-3 Public Comment

- A. The TAC shall set aside no less than twenty (20) minutes for Public Comment on each Quarterly TAC Meeting Agenda. Public Comment shall be held after the conclusion of the regular agenda. During this period the TAC shall receive comment from any member of the general public on any non-agenda item or any agenda item not scheduled for public hearing by the TAC, provided that the Chair can prohibit or proscribe the use of obscenity or other speech tending to create a breach of the peace; and provided further that no individual shall be permitted to address the TAC for more than five (5) minutes. In the event that more than four (4) speakers wish to be heard during Public Comment, the Chair shall allocate the aforesaid twenty (20) minutes among speakers in an equitable manner. The time allocated for Public Comment may be extended by majority vote of the TAC.

Section 4-4 Meeting Agenda Submissions

- A. TAC agenda requests from TAC members shall be submitted to the Chair at least fourteen calendar days prior to the Quarterly TAC meeting.

Section 4-5 Chair Suspending Rules

- A. One or more of these rules of the TAC Charter may be suspended with the concurrence of a two-thirds majority of the members present.

Section 4-6 Amendment of Rules

- A. This TAC Charter may be amended by majority vote, provided that a proposed amendment may not be voted on unless the text thereof shall have been presented to the TAC at a previous meeting at which the date for a vote on the proposal had been established. Any proposed amendment shall be subject to further amendment at the meeting at which the vote is taken.

Section 4-7 Robert's Rules of Order

- A. A. The proceedings of the TAC, except as otherwise provided in this TAC Charter and by applicable State law, shall be governed by Robert's Rules of Order.

SECTION 5 -- AGENDA

Section 5-1 Preparation

- A. The Chair shall prepare an agenda for the Quarterly TAC Meetings conforming to the order of business specified in Section 4-1 titled "Order of Business".
- B. Matters may be placed on a TAC agenda only in the following manner:
 - 1. By the Chair; or
 - 2. At the request of a member, with the assent of the Chair; or
 - 3. By a majority of members present at a meeting and voting, provided that the matter shall not be considered for a vote until a subsequent meeting.
- C. All items that are requested to be placed on the agenda must be submitted to the Chair at least fourteen calendar days prior to the meeting.

Section 5-2 Delivery of Agenda

- A. The agenda and related materials for Quarterly TAC meetings shall be available to each member of the TAC and the public at least seven working days prior to the meeting.

SECTION 6 -- TAC APPOINTMENTS

Section 6-1 TAC Standing of Ad-Hoc Subcommittees

- A. The Chair may establish standing or ad-hoc subcommittees of the TAC. Each subcommittee, once established by the TAC, shall consist of at least two members of the TAC appointed by the Chair annually or at the inception of the subcommittee for new standing subcommittees. The Chair may appoint individuals to subcommittees who are not otherwise members of the TAC, with that individual's consent.

Section 6-2 Advisor Appointments

- A. All appointments of advisors, other than members of the TAC, shall be made by the Governor or by the Chair ~~at-on~~ the Governor's behalf.
- B. Advisors may participate in TAC meetings and subcommittees but do not have standing for voting.

Section 6-3 Attendance

- A. TAC committee and subcommittee members (either in person or through their designees or alternates) are expected to make good faith efforts to attend all scheduled meetings of the TAC and subcommittees to which they have been appointed.