Project Prioritization Subcommittee Meeting

VIRGINIA COASTAL RESILIENCE TECHNICAL ADVISORY COMMITTEE

WEDNESDAY, AUGUST 7, 2024 | 1:00 PM

VIRGINIA COASTAL RESILIENCE MASTER PLAN

DCR Virginia Department of Conservation & Recreation

Meeting Agenda

- Call to Order, Roll Call
- Adoption of Agenda
- Adoption of Q2 2024 Meeting Minutes
- Subcommittee Overview
- Old Business
  - Impact Assessment Updates
  - Planned Resilience Actions Analysis Updates
  - Recommendations Development
- *New Business*
  - *Subcommittee Discussion*
- Public Comment
- Action Items, Scheduling
- Adjourn

Name	Organization
Ken Pfeil (Chair)	Office of Data Governance and Analytics
Marcus Thornton (A)	
Kellen Singleton	Accomack-Northampton Planning District Commission
Jack Krolikowski	American Flood Coalition
Catie Malone (A)	
Jay Ellington	Crater Planning District Commission
Andrew Franzyshen (A)	
Kit Friedman (A)	
Ben McFarlane	Hampton Roads Planning District Commission
Whitney Katchmark (A)	
Brianna Heath	Northern Neck Planning District Commission
Sarah Stewart	PlanRVA
Eli Podyma (A)	
Chris Swanson	Virginia Department of Transportation
Christopher Berg (A)	
Rachael Peabody	Virginia Marine Resources Commission
Scott Whitehurst	Virginia Port Authority
Mary-Carson Stiff	Wetlands Watch
Ian Blair (A)	
Thomas Ruppert	William & Mary Virginia Coastal Resilience Collaborative

Virginia Coastal Resilience Master Plan, Phase II

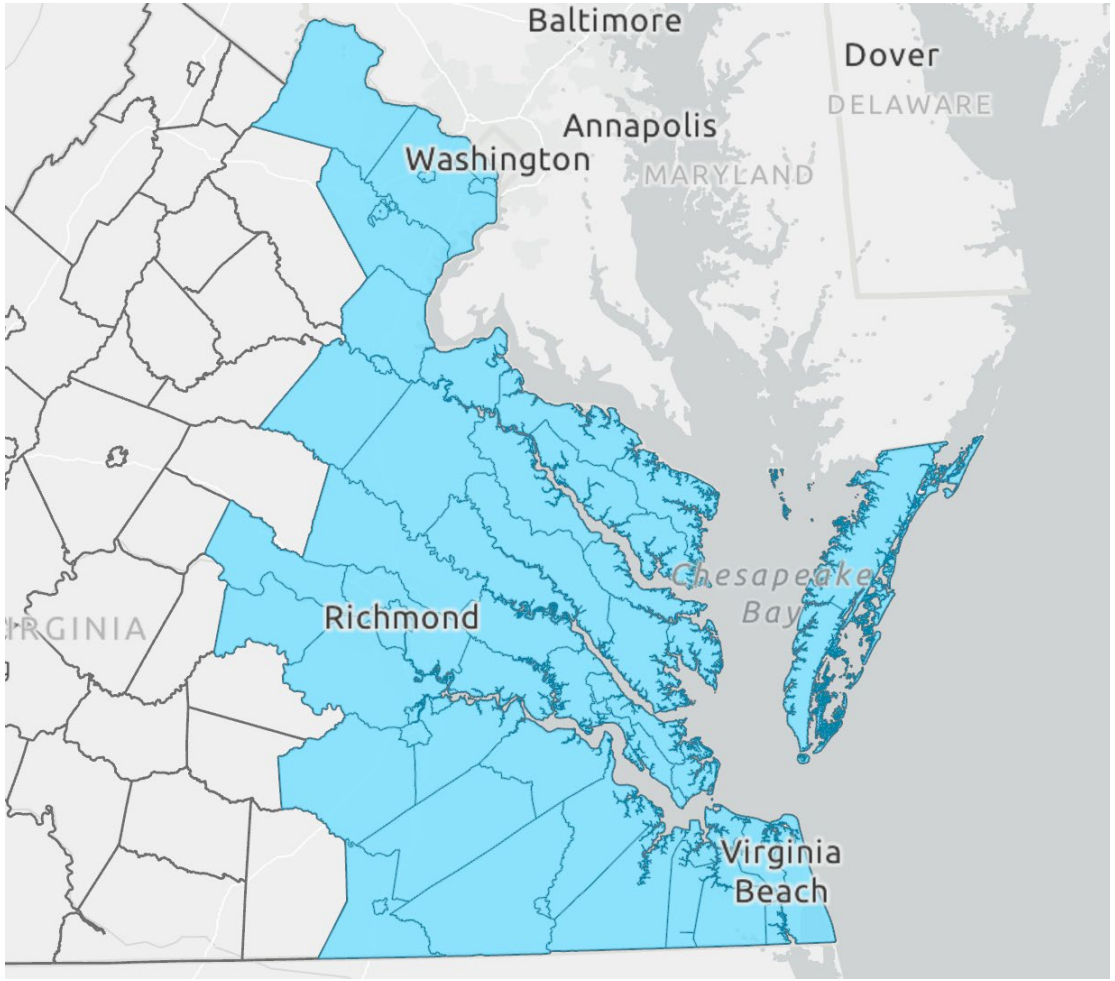
WHAT IS THE CRMP?

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



Project Prioritization Subcommittee Objectives

1. **Inform and support the flood hazard risk assessment**
   - Specifically: the asset data inputs; the approach to quantifying the vulnerability of assets; and impact assessment outputs needed to support decision-making, coordination, and collaboration.
2. **Inform and support the identification of planned resilience actions**
   - Specifically, identify shared themes, and gap trends between projects and initiatives submitted to the Coastal Resilience Web Explorer User Portal.
3. **Develop recommendations for future planning.** This includes, but is not limited to:
   - Identify goals and associated metrics for resilience that should be used to determine project/needs evaluation and prioritization in future plans.
   - Develop objective protocols for evaluating and prioritizing identified project needs for the Coastal Region.
   - Develop a process and objective protocols for evaluating and prioritizing resilience actions. (Consider separate evaluation protocols for critical human, built, and natural infrastructure needs.)

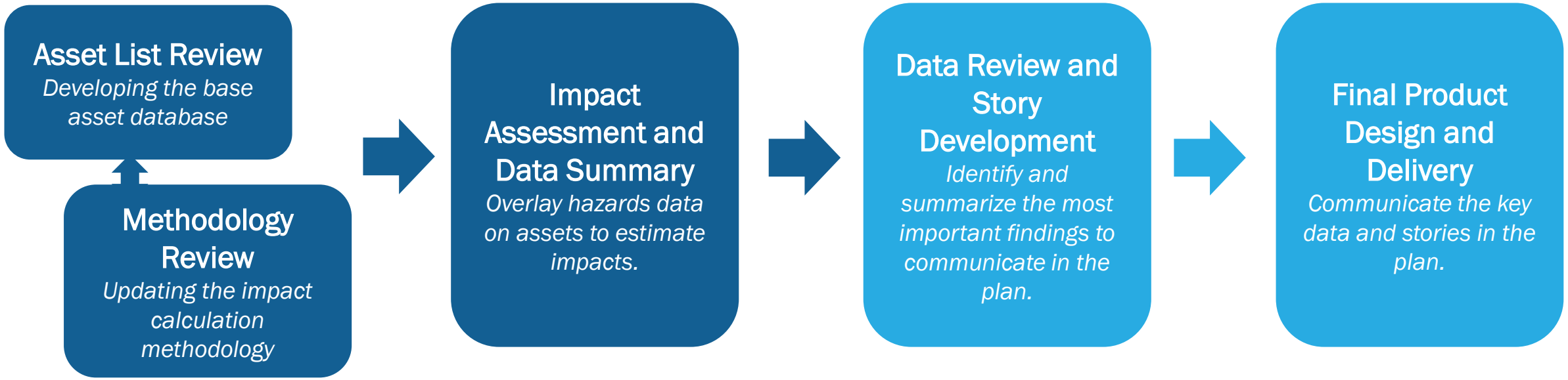
Subcommittee Schedule

Q3 2023	CRMP PII – Impact Assessment Outputs
Q4 2023	CRMP PII – Impact Assessment Outputs + Inputs
Q1 2024	CRMP PII – Impact Assessment Approach
	CRMP PII – Discuss Planned Resilience Actions
Q2 2024	CRMP PII – Analyze Planned Resilience Actions
	Future Plans – Recommendations
Q3 2024	CRMP PII – Analyze Planned Resilience Actions
	Future Plans – Recommendations
Q4 2024	Future Plans – Final Recommendations

In Dewberry scope

In Stantec scope

Impact Assessment Updates



January – April
(Complete)

March – July
(In Progress)

May – September
(In Progress)

August – December
(In Progress)

In Stantec scope

In Future scope

Planned Resilience Actions Analysis Updates

Review Data & Build Approach

- Initial Review and Summary
- Analysis Content Outline
- Data Quality Improvement Plan

May
(Complete)

Improve Data

- Data Entry Support
- Data Quality Improvement

May – July
(Complete)

Produce Summary

- Final Report PDF
- Coastal Resilience Web Explorer

July – December
(In Progress)

Recommendations Development

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 justification of the recommendation.
- 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: **Prioritization Survey**	Subcommittee members vote on their top 10 recommendations per subcommittee.
August 7-15: **Q3 Subcommittee Meetings**	Subcommittees review survey results, identify and refine the top 5 recommendations, and assign responsible parties.
September 18: **Q3 TAC Meeting**	The Full TAC reviews and refines each subcommittee's top 5 recommendations.
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.

Recommendations Development

PRIORITIZATION CRITERIA

DCR encourages TAC members to prioritize recommendations using the following three criteria:

1. Alignment with the purpose of the Coastal Resilience Master Plan
2. Alignment with the Coastal Resilience Master Planning principles
3. The impact, urgency, and feasibility of the recommendation.

ADDITIONAL CONTEXT

- The Virginia Flood Protection Master Plan, due December 2025, will include stakeholder engagement to develop a policy and program strategy for state agencies to increase flood resilience across Virginia.

CODIFIED COASTAL RESILIENCE MASTER PLANNING PRINCIPLES

- Acknowledge climate change and its consequences, and base decision-making on the best available science.
- Identify and address socioeconomic inequities and work to enhance equity through coastal adaptation and protection efforts.
- Recognize the importance of protecting and enhancing green infrastructure like natural coastal barriers and fish and wildlife habitat by prioritizing nature-based solutions.
- Utilize community and regional scale planning to the maximum extent possible, seeking region specific approaches tailored to the needs of individual communities.
- Understand fiscal realities and focus on the most cost-effective solutions for protection and adaptation of our communities, businesses, and critical infrastructure.

Recommendations Development

New Business

SUBCOMMITEE DISCUSSION

Public Comment

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

Action Item Review

Upcoming Schedule

- Full TAC Meeting: September 18, 2024, 10am-1pm
  - Review plan updates and all subcommittee recommendations
- Project Prioritization Subcommittee Meeting: October 8, 2024, 10am-12pm
  - Finalize and vote on subcommittee recommendations
- Full TAC Meeting: November 13, 2024, 10am-1pm
  - Vote on all subcommittees' recommendations
- Plan Released by December 31, 2024

CRMP, Phase II: Coastal Resilience TAC Recommendations

Project Prioritization Subcommittee | Survey Results

The four subcommittees of the Coastal Resilience Technical Advisory Committee (TAC) are tasked with developing recommendations to appear in the Coastal Resilience Master Plan (CRMP), Phase II. The TAC subcommittees drafted recommendations in their 2024 Q2 meetings. Between the Q2 and Q3 meetings, a survey was distributed to the subcommittees to identify the top 10 recommendations from each subcommittee. The draft recommendations used in the survey were taken directly from the Q2 subcommittee meetings. This memo presents the resulting top 10 recommendations from the survey.

Recommendations for Q3 Discussion

This section presents the top 10 recommendations as they will be presented to the subcommittee for discussion at the Q3 meeting.

The recommendations have been grouped by theme, with their ranking score result from the survey noted in parentheses. Additional bullets under each recommendation identify any related or similar recommendations, as well as a suggested primary responsible party for implementation. In some cases, DCR has proposed suggested edits to the recommendation text to ensure they are clear and actionable. These alterations are noted with strikethroughs and red text for additions.

Theme Grouping: Develop a Clear Purpose, Goals, Implementation Strategy, and Measures of Success for Future Iterations of the CRMP.

- A.4.2.a: Define what resilience success looks like. (#9)[1]
    - Similar to: C.1.3.a: Determine future efforts to set metrics for flood resilience.
    - Responsible Party: Flood Resilience Advisory Committee[2]

- B.1.2.a: Take temporal aspects into account when developing clear plan purpose and goals. Clarify what the timespan is, expected to help short-term, mid-term, long-term? And what does that do to our costs and investments long-term? (#3)
    - Related to: B.1.2.b: Recognize path-dependency as an issue that can cause future challenges when actions are taken right now to address current problems.
    - Responsible Party: DCR ORP

- B.1.1.b: ~~It's still problematic that the CRMP and the CFPF are not directly connected.~~ Us*e* ~~ing~~ the CFPF [Community Flood Preparedness Fund] to *help* implement the CRMP or the VFPMP [Virginia Flood Protection Master Plan] ~~would go a long way towards getting~~ *to improve* buy-in. (#4)
    - Responsible Party: State Agencies

[1] This recommendation was also prioritized by Research, Data, and Innovation.
[2] See Code of Virginia § 10.1-659, subpart D.

- B.1.3.a: Have a few detailed project alternatives, possibly a low-cost, mid-cost, and high-cost alternative so localities aren't being bombarded with expensive and intensive projects that they need to do without the capacity and funding to do them. Recognizing that "even a small step is a step" makes seeking outcomes a lot less overwhelming for our more stressed localities. (#7)
    - Responsible Party: State Agencies

Theme Grouping: Effectively Assess the Potential Impacts of Flooding to Support Decision Making.

- B.2.1.a: Survey stakeholders to learn what they consider critical data to inform decision-making, and what data is missing. (#10)
    - Responsible Party: DCR ORP

- B.2.1.b: Utilize/survey flood management practice data to supplement flood hazard data for a full picture of flood risk and vulnerability. (#8)
    - Responsible Party: State Agencies

- B.2.2.a: Continue state inter-agency coordination efforts aimed at the development, maintenance, and enhancement of accessible region-wide asset datasets for non-sensitive data, and to ensure that agencies aren't duplicating efforts. (#5)
    - Additional ideas for how to approach coordination efforts, including through cost savings, standards, and data sharing are documented in recommendations B.2.2.b-e.
    - Responsible Party: State Agencies

- B.2.3.b: Consider forward-looking/future-conditions data for all components of flood risk (hazard, exposure, vulnerability). Examples include sea-level rise, precipitation frequency (Atlas 15, MARISA), projected growth, demographic changes, etc.(#1)
    - Responsible Party: DCR ORP

Theme Grouping: Establish Criteria to Define where the Greatest Need for Flood Resilience Actions Exist.

- B.3.2.a: Develop an initial needs assessment for coastal flood resilience, like exists for wastewater or agriculture, and a process to update it as an element of the plan. (#2)
    - Responsible Party: DCR ORP

- B.3.3.b: If there are no planned actions, establish state staff/consultant team program to reach out to local government to identify if they are not interested in actions or what factors (staff, funding) would support developing actions. (#6)
    - Related to: B.3.3.a. Provide support to localities on developing locally specific weighting for prioritization of projects utilizing CRMP data[3]; and B.3.3.c. Coordinate with local governments to ID flood prone areas. Talk to residents and other stakeholders and work to address their concerns.
    - Responsible Party: State agencies

[3] This recommendation was also prioritized by Outreach & Coordination

Survey Results

Prioritization Process

The Project Prioritization Subcommittee drafted 33 recommendations during its 2024 Q2 meeting. Survey respondents categorized each draft recommendation as first, second, or third priority. Respondents could categorize up to 12 recommendations as first-priority. Survey respondents then ranked their first-priority recommendations from 1 through 12.

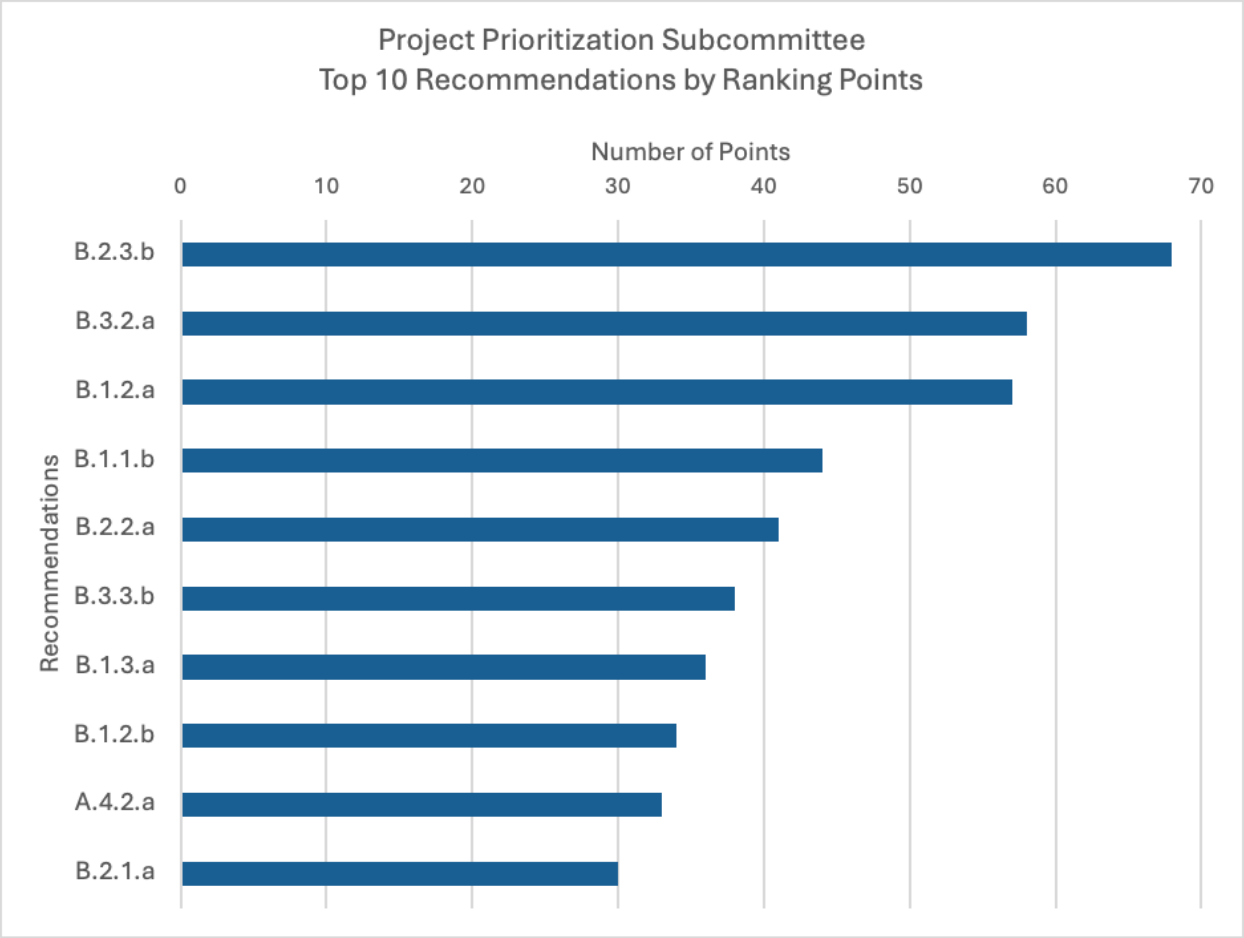
Results were evaluated using a point system. Point values were assigned to each draft recommendation according to the ranking results. Each time a recommendation received a ranking in first position it received 12 points, the second position received 11 points, the third position received 10 points, and so on down to the twelfth (last) position that received 1 point. The list and chart show the top 10 recommendations in order from highest to lowest point values received.

Top 10 Recommendations Ranked

1. B.2.3.b: Consider forward-looking/future-conditions data for all components of flood risk (hazard, exposure, vulnerability). Examples include sea-level rise, precipitation frequency (Atlas 15, MARISA), projected growth, demographic changes, etc.
2. B.3.2.a: Develop an initial needs assessment for coastal flood resilience, like exists for wastewater or agriculture, and a process to update it as an element of the plan.
3. B.1.2.a: Take temporal aspects into account when developing clear plan purpose and goals. Clarify what the timespan is, expected to help short-term, mid-term, long-term? And what does that do to our costs and investments long-term?
4. B.1.1.b: It's still problematic that the CRMP and the CFPF are not directly connected. Using the CFPF to implement the CRMP or the VFPMP would go a long way towards getting buy-in.
5. B.2.2.a: Continue state inter-agency coordination efforts aimed at the development, maintenance, and enhancement of accessible region-wide asset datasets for non-sensitive data, and to ensure that agencies aren't duplicating efforts.
6. B.3.3.b: If there are no planned actions, establish state staff/consultant team program to reach out to local government to identify if they are not interested in actions or what factors (staff, funding) would support developing actions.
7. B.1.3.a: Have a few detailed project alternatives, possibly a low-cost, mid-cost, and high-cost alternative so localities aren't being bombarded with expensive and intensive projects that they need to do without the capacity and funding to do them. Recognizing that "even a small step is a step" makes seeking outcomes a lot less overwhelming for our more stressed localities.
8. B.2.1.b: Utilize/survey flood management practice data to supplement flood hazard data for a full picture of flood risk and vulnerability.
9. A.4.2.a: Define what resilience success looks like. [4]

[4] This recommendation was also prioritized by Research, Data, and Innovation.

10. B.2.1.a: Survey stakeholders to learn what they consider critical data to inform decision-making, and what data is missing.



Project Prioritization Subcommittee

Top 10 Recommendations

1. B.2.3.b: Consider forward-looking/future-conditions data for all components of flood risk (hazard, exposure, vulnerability). Examples include sea-level rise, precipitation frequency (Atlas 15, MARISA), projected growth, demographic changes, etc.

2. B.3.2.a: Develop an initial needs assessment for coastal flood resilience, like exists for wastewater or agriculture, and a process to update it as an element of the plan.

3. B.1.2.a: Take temporal aspects into account when developing clear plan purpose and goals. Clarify what the timespan is, expected to help short-term, mid-term, long-term? And what does that do to our costs and investments long-term?

4. B.1.1.b: It's still problematic that the CRMP and the CFPF are not directly connected. Using the CFPF to implement the CRMP or the VFPMP would go a long way towards getting buy-in.

5. B.2.2.a: Continue state inter-agency coordination efforts aimed at the development, maintenance, and enhancement of accessible region-wide asset datasets for non-sensitive data, and to ensure that agencies aren't duplicating efforts.

6. B.3.3.b: If there are no planned actions, establish state staff/consultant team program to reach out to local government to identify if they are not interested in actions or what factors (staff, funding) would support developing actions.

7. B.1.3.a: Have a few detailed project alternatives, possibly a low-cost, mid-cost, and high-cost alternative so localities aren't being bombarded with expensive and intensive projects that they need to do without the capacity and funding to do them. Recognizing that "even a small step is a step" makes seeking outcomes a lot less overwhelming for our more stressed localities.

8. B.2.1.b: Utilize/survey flood management practice data to supplement flood hazard data for a full picture of flood risk and vulnerability.

9. A.4.2.a: Define what resilience success looks like.

10. B.2.1.a: Survey stakeholders to learn what they consider critical data to inform decision-making, and what data is missing.

Instructions

At Each Station

1. If you agree with the responsible party, put your checkmark next to it. If not, leave a comment in the space provided.
2. Each participant must add at least one bullet under "Recommendation Description" to clarify the context of the recommendation.
3. If you have additional comments regarding the recommendation, please write each separately on a sticky note and place the note(s) in the "Comments" section.
4. If you believe that a recommendation should be combined, or if you have suggested rewording, please add that information on a sticky note in the "Comments" section.
5. Capture any other thoughts or ideas on sticky notes and place them on the "Parking Lot" chart when you finish all stations.
6. When you finish, move to the next station.
7. Feel free to discuss the recommendations with others at each station.
8. The station facilitator will assist as needed.
9. You have 30 minutes to complete all stations before we will discuss them as a group.

Instructions for Voting on a Recommendation
When the group discussion is complete, participants will vote for their top 5 recommendations. You will be provided with 5 numbered dots to place on the recommendations in your preferred ranking order.

Ranking Considerations

- Do you agree with the fundamental concept of the recommendation, and should it move forward to the next stage for further refinement?

- Is the recommended action clear and aligned with the purpose of the Phase II Coastal Resilience Master Plan?

- Consider the feasibility, impact, and urgency of the recommendation.