Subject	Technical Advisory Committee Meeting #5 Virginia Coastal Resilience Master Planning Framework	Date	September 2, 2021
Facilitator	Matthew J. Strickler - Chair	Time	1:00 pm – 5:00 pm
Location	WebEx - https://governor.virginia.gov/i/jz5az	Scribe	Emily Sokol

	Invitees/Attendees			
#	Name	Organization/Role	Attended?	
		Committee Members - Appointed and Invited (Alternates in Parenthe	eses)	
1.	Matthew J. Strickler	Chair, Secretary of Natural Resources and Chief Resilience Officer	Y	
2.	Rear Admiral Ann C.	Special Assistant to the Governor for Coastal Adaptation and Protection	Y	
	Phillips, USN(Retired)	(STAFF to TAC)		
3.	Dr. Janice Underwood	Chief Diversity, Equity, and Inclusion Officer (Omer Yousuf)		
4.	Carlos Rivero	Chief Data Officer		
5.	Clyde Cristman	Director, Department of Conservation and Recreation	Y	
6.		State Coordinator, Virginia Department of Emergency Management (Robbie		
	Curtis Brown	Coates		
7.	Erik Johnston	Director, Department of Housing and Community Development (Traci		
		Munyan)		
8.	Stephanie L. Hamlett	Executive Director, Virginia Resources Authority (Shawn Crumlish)		
9.	David K. Paylor	Director, Department of Environmental Quality		
10.	Catherine C. McGhee	Director, Research and Innovation, Virginia Transportation Research Council	Y	
11.	Steve Bowman	Commissioner, Virginia Marine Resources Commission (Ben Nettleton)		
12.	Dr. Mark Luckenbach	Associate Dean for Research and Advisory Services, Virginia Institute of	Y	
		Marine Science at William & Mary		
13.	Elizabeth Andrews	Director, Virginia Coastal Policy Center at William & Mary Law School	Y	
14.	Dr. Robert Weiss	Director, Center for Coastal Studies at Virginia Tech	Y	
15.	Dr. Karen McGlathery	Director, Environmental Resilience Institute at the University of Virginia,	Y	
		Norfolk District		
16.	Col. Brian Hallberg	Commander, United States Army Corps of Engineers	Y	
17.	Dr. Troy Hartley	Director, Virginia Sea Grant	Y	
18.		Executive Director, Hampton Roads Planning District Commission (Whitney	Y	
	Robert A. Crum, Jr.	Katchmark)		
19.	Martha Heeter	Executive Director, Plan RVA (Richmond Regional Planning District		
	-	Commission) (Sarah Stewart)		
20.	Robert W. Lazaro	Executive Director, Northern Virginia Regional Commission (Norm Goulet)		
21.		Executive Director, Northern Neck Planning District Commission (John		
00	Jerry W. Davis	Bateman)		
22.	Elaine Meil	Executive Director, Accomack-Northampton Planning District Commission	Y (V)	
23.	Lewis L. Lawrence, III	Executive Director, Middle Peninsula Planning District Commission		
24.	Alec Brebner	Executive Director, Crater Planning District Commission (Jay Ruffa)		
25.	Kate Gibson	Acting Director GWRC (Darren Coffey)		
26.	Dr. Robert S. Young	Geology Professor, Program Director for the Study of Developed Shorelines, Western Carolina University	Y (V)	
27.	Mary-Carson Stiff	Wetlands Watch Policy Director, Wetlands Watch	Y	
28.	Ashley Montgomery	Associate Designers, Hanbury	Y (V)	
29.	Dr. Carl Hershner	Emeritus Professor of Marine Science, Virginia Institute of Marine Science at William & Mary	Ý	
30.	Jill Bieri	Director of Virginia Coast Reserve, The Nature Conservancy	Y	

	Invitees/Attendees			
#	Name	Organization/Role	Attended?	
31.	Kristin Owen	Floodplain & Dam Safety Manager at Henrico County, Henrico County		
32.	Dr. Jessica Whitehead	Director, Institute for Coastal Adaptation and Resilience at Old Dominion University	Y	
33.	Dr. Stephen Moret	President & CEO, Virginia Economic Development Partnership (Jason El Koubi)		
34.	Georgie Márquez	Principal, Andre Marquez Architects	Y	
35.	Sara Dunnigan	Deputy Director, GO Virginia and Economic Development, Department of Housing and Community Development	Y (V)	
36.	Eric Letsinger	CEO, Quantified Ventures		
37.	Capt. Samson Stevens	USCG Sector Commander Hampton Roads		
38.	Kathleen Jabs	Acting Secretary for Veterans and Defense Affairs (Tom Crabbs)		
39.	Rear Admiral Charles Rock	Commander Navy Region Mid Atlantic (Joe Howell)		
40.	Rear Admiral Craig Quigley (Retired)	US Navy, CEO, Hampton Roads Military and Federal Facilities Alliance		
41.	Mr. Reggie Tupponce	Tribal Administrator, The Upper Mattaponi Indian Tribe	Y	
42.	Capt. Tom Crabbs	USCG (Retired), Military Liaison, Office of the Secretary of Veterans and Defense Affairs	Y	
43.	Chris Swanson	Resilience Director, VDOT Secretary of Transportation	Y	
		Scheduled Speakers	<u>.</u>	
44.	Brian Batten	Dewberry	Y	
45.	Johanna Greenspan- Johnston	Dewberry	Y (V)	
46.	Alaurah Moss	Dewberry	Y	
47.	Ashley Samonisky	Vision Planning and Consulting	Y (V)	
		Designated Alternates		
48.	Traci Munyan	Program Administrative Manager, Dept of Housing and Community Development	Y	
49.	Kyle Flanders	Policy Planning Specialist, Dept. of Housing and Community Development		
50.	Lee Hutchinson	Resiliency Program Analyst, Dept of Housing and Community Development	Y (V)	
51.	Shawn Crumlish	Director of Financial Services, Virginia Resources Authority	Ý	
52.	Peter D'Alema	Director of Program Management, Virginia Resources Authority		
53.	Erin Sutton	Chief Deputy, Virginia Department of Emergency Management		
54.	Robbie Coates	Grants Division Director, Virginia Department of Emergency Management	Y	
55.	Whitney Katchmark	Principal Water Resources Engineer, Hampton Roads PDC	Y	
56.	Sarah Stewart	Planning Manager, Plan RVA (Richmond Regional PDC)	Y	
57.	Corey Miles	Coastal Resources Program Manager, Northern Virginia Regional Commission	Y (V)	
58.	Normand Goulet	Director, Division of Environmental and Resiliency Planning, Northern Virginia Regional Commission	Y	
59.	Darren Coffey	George Washington Regional Commission	Y	
60.	John Bateman	Regional Planner, Northern Neck Planning District Commission	Y (V)	
61.	Curtis Smith	Deputy Director, Middle Peninsula Planning District Commission		
62.	Jay Ruffa	Director of Planning & GIS, Crater Planning District Commission	Y	
63.	Randy Owen	Deputy Chief of Habitat, Virginia Marine Resources Commission		
64.	Richard Klein	Civil Works Program Manager, USACE, Norfolk District	Y (V)	

	Invitees/Attendees			
#	Name	Organization/Role	Attended?	
65.	Keith Lockwood	Chief, Water Resources Division, USACE, Norfolk District		
66.	Tom Emerick	Chief Counsel, United States Army Corps of Engineers, Norfolk District		
67.	William "Skip" Stiles Jr	Executive Director, Wetlands Watch		
68.	Scott Miller	Principal and planner, Hanbury		
69.	Carol Considine	Program Head, Flooding and the Built Environment, Institute for Coastal Adaptation and Resilience at Old Dominion University	Y	
70.	Jason El Koubi	Executive Vice President, The Virginia Economic Development Partnership	Y (V)	
71.	Kevin DuBois	Commander Navy Region Mid Atlantic Chesapeake Bay Program	Y (V)	
72.	Joe Howell	Commander Navy Region Mid Atlantic Regional Community Plans & Liaison Officer	Y (V)	
73.	Ben Nettleton	Virginia Marine Resources Commission	Y	
74.	Sharon Baxter	DEQ	Y (V)	
75.	Greg Grootendorst	Chief Economist, HRPDC		
76.	Jessica Steelman	Coastal Planner, ANPDC		
77.	Omer Yousuf	Special Assistant to the Directory of Diversity, Equity, and Inclusion	Y	
78.	Shannon Valentine	VDOT		
		Committee Advisors		
79.	Emily Steinhilber	Director of Virginia Coastal Resilience, Environmental Defense Fund	Y	
80.	Julie Langan	Director, Virginia Department of Historic Resources		
81.	Jessica Grannis	Coastal Resilience Director, Audubon		
82.	Megan Melinat	Director, Division of Preservation Incentives at Virginia Department of Historic Resources	Y (V)	
83.	Jolene Smith	Department of Historic Resources	Y	
84.	Matt Lott	Emergency Manager, Virginia Department of Transportation	Y (V)	
85.	Ivan Cruz	VDOT		
86.	Laura Rogers	NASA		
87.	Patrick Taylor	NASA		
88.	Bruce Sturk	City of Hampton		
89.	Doug Beaver	City of Norfolk		
90.	Capt. John Dewey	USCG		
91.	Capt. John Barresi	USCG		
92.	CDR Jeremy Hall	USCG		
93.	Capt. Jennifer	USCG		
	Stockwell			
94.	Scott Spencer	Office of Economic Adjustment, Department of Defense	Y (V)	
	• •	Subcommittee Staff Advisors		
95.	Shurui Zhang	Commonwealth Coastal and Marine Policy Fellow	Y	
96.	Shep Moon	Coastal Planner, Virginia CZM Program	Y (V)	
97.	Joshua Saks	Deputy Secretary of Natural Resources	Ý	
98.	Jefferson Flood	Virginia Coastal Zone Management Program	Y (V)	
99.	Katie Sallee	Confidential Assistant to the Secretary of Natural Resources	Y (V)	
100.	Meryem Karad	Assistant Secretary of Natural Resources	Ý	
101.	Laura McKay	Virginia Coastal Zone Management Program	Y	
		Other Participants	·	
102.	Connor Winstead	DCR	Y	
103.	Matt Dalon	DCR	Y	
104.	M. Moore	Community member, Chesapeake, VA	Y	

	Invitees/Attendees			
#	Name	Organization/Role	Attended?	
105.	Keith Cannady	Deputy Executive Director, Hampton Roads Planning District Commission	Y (V)	
106.	Lauren Landis	Hampton Roads Field Coordinator, Chesapeake Climate Action Network	Y (V)	
107.	Arthur Kay		Y (V)	
108.	Margaret Rockwell		Y (V)	
109.	Morgan Butler	SELC	Y (V)	
110.	Wendy Howard		Y (V)	
	Cooper	DCR Division of Dam and Floodplain Safety		
111.	Natalie Snider	EDF	Y (V)	
112.	Grace Tucker	EDF	Y (V)	
113.	Cirse Gonzalez	MARISA	Y (V)	
114.	Jay Ford	CBF	Y (V)	
115.	Brandy Buford		Y (V)	
116.	Daniel Proctor		Y (V)	
117.	Garry Harris		Y (V)	
118.	Barrett Hardiman		Y (V)	
119.	Brent Hunsinger	FOR	Y (V)	
120.	Pat Calvert	VCN	Y (V)	
		Consultant Support		
121.	Deepa Srinivasan	Vision Planning and Consulting	Y (V)	
122.	Emily Sokol	Vision Planning and Consulting	Y (V)	

	Agenda/Minutes			
#	Agenda Item	Minutes		
1.	Introduction	Secretary Matthew Strickler called the TAC Meeting to order and provided a brief overview of today's meeting agenda. He asked for public attendees to submit questions to the chat box and advised Katie Sallee will be moderating the chat. Secretary Strickler read the required verbiage and asked Rear Admiral Ann Phillips to take roll. Rear Admiral Phillips called roll and advised that a quorum was present.		
		Secretary Strickler asked everyone online to stay muted, unless they were presenting. After presentations, committee members can be unmuted for discussion by raising their hands. Staff will assist with recognizing attendees who have questions or comments. Members of the public will be allowed to ask question through chat box only by those who signed up in advance. This will take place during the last 30 minutes of the meeting.		
		If anyone has any questions or there are any interruptions in the meeting, please call 804-316-4478 or email <u>katie.sallee@governor.virginia.gov</u> .		
2.	TAC-Related Updates	Secretary Strickler reported to the Subcommittee that Dewberry is currently working on the 90% draft and is looking to complete the draft as close to the September 8 <sup>th</sup> deadline as possible. After the 90% draft is completed, the team will review the draft and determine what pieces need to go out to each Subcommittee for additional review.		

	Agenda/Minutes			
#	Agenda Item	Minutes		
		We will get those elements out by September 13 <sup>th</sup> . Secretary Strickler noted that they will be looking for recommendations and feedback from the Subcommittees to be provided in a quick turnaround. That feedback will advise the Commonwealth as they enter the next phase of drafting with Dewberry. He reported that Dewberry would be presenting information today that covers the majority of what will be included in the draft. Secretary Strickler acknowledged that the team has a lot of work to do in the short timeframe and appreciates the patience of the Committee members as the process moves forward. Secretary Strickler turned the floor over to Rear Admiral Phillips to provide additional TAC-related updates.		
		Rear Admiral Phillips: Over the past month, during late July and early August, we, the Commonwealth and Dewberry, conducted a number of charettes and public meetings. We conducted 9 total charette meetings, working with PDCs and local coastal resiliency representatives to give them an opportunity to review the results of the impact assessment, as well as provide feedback on the process. We also held a public meeting at the PDC region level after each charrette. Attendance at the public meetings varied widely- Hampton Roads had the greatest number of attendees. We had no attendees at the GW public meeting, but we did have representation at the charrette with strong participation. VPC has completed a summary of the public and centralized surveys which will be posted on the Master Plan webpage. Additionally, Dewberry has produced drafts of summaries for the charrette meetings- those will be coming soon. Additional updates will come from Dewberry and their team during today's presentations. We will then hear from the Subcommittee chairs. We thank you all for your service up to this point. We are grateful for your continued participation and look forward to discussing how the TAC will move forward from here.		
3.	Dewberry Team Presentation, Review, and Discussion	Rear Admiral Phillips turned the floor over to Dr. Brian Batten to present the work that his team has conducted. (See Attached Slides for Additional Detail) <i>Built / Natural Infrastructure Hazard, Social Vulnerability, and Impact Assessment</i> <i>Summarization</i> Dr. Batten first identified updates that had been made to the impact assessment		
		methodology and documentation since the last time the Subcommittee reviewed it. He presented the results of the impact assessment across all eight coastal PDCs, including a breakdown of the social vulnerability index and the variables that were combined to produce the social vulnerability score. He then presented Dewberry's assessment of the impact of coastal hazards on three main asset types- community resources, critical sectors, and natural infrastructure. Additionally, Dr. Batten demonstrated how the assessment's reflection of impacts on the residential population have been improved since the last iteration. He identified notable innovative approaches that were used for this process, as well as opportunities for further development. Dr. Batten then described how the data would be made accessible to the public in the future, as all of the data has been captured in a framework that will be transferred to the Commonwealth. In November, this data and analysis will become available on GIS web services and will eventually allow for data download services from the VA CRMP web application. Dr. Batten did acknowledge that there are some data sources that have sharing restrictions and those items have been flagged. Dr.		

	Agenda/Minutes			
#	Agenda Item	Minutes		
		Batten provided a glimpse of the draft web application. Dewberry is currently in the process of taking Commonwealth input and creating a final product that will be made available to the public. Dr. Batten then opened the floor for questions.		
		<ul> <li>Q: Karen McGlathery. How are you including and communicating the assumptions and limitations of the mapping tool that you are presenting to the public?</li> <li>Johanna Greenspan-Johnston: We are being clear in how those limitations are documented in the methodology documentation. This will be included in an appendix. We are trying to limit elaboration on the process and improve our communication of the findings, the narrative, and the story. It is important that we explain the limitations and be very clear about the intentions, as well as precise in our language. We will likely be including information that expounds on the limitations in the callouts and footnotes. We are still looking for feedback regarding how to enhance our communication of this work.</li> <li>I am not trying to undermine the process, but it needs to be clear where the maps and numbers came from, especially in the web application. Knowing what is behind those numbers is important.</li> <li>Ms. Greenspan-Johnston: For the web app, there will be metadata that is available and can be engaged with.</li> </ul>		
		<ul> <li>Q: You mentioned the state roadway being impacted- is that inclusive of local roads or just VDOT roadways?</li> <li>Dr. Batten: We did not include all local roads. We focused on state routes-VDOT roadways.</li> </ul>		
		<ul> <li>Q- Clyde Cristman: You used the word probabilistic. Is that different than predictive or forecasted?</li> <li>Dr. Batten: We are moving towards a probabilistic approach, which applies sea level rise scenarios to the model. It is different than predictive modeling, which is separate from SLR.</li> </ul>		
		<ul> <li>Q: You presented a chart with SLR future scenarios and a map of low-income communities side-by-side. Are those communities based on current population data?</li> <li>Dr. Batten: For that map, we are looking at population and demographic status for the current population. We are not using population change. It shows the current population of today imposed on a future flood hazard model.</li> </ul>		
		<ul> <li>Q- Whitney Katchmark: I appreciate you using the 5 different flood event types. You had a more detailed description of those 5 types in previous maps. I find those details to be more helpful than the simplified model, which can become too vague.</li> <li>Dr. Batten: That is great feedback. We want to maintain those levels of detail while also being able to present the information to a wide variety of audiences. Those details can be provided at different levels for different audiences.</li> </ul>		

	Agenda/Minutes		
#	Agenda Item	Minutes	
		Charette / Survey Outcomes / Outreach / Engagement Update	
		Dr. Batten presented a summary of the PDC workshops/charrettes that were conducted in July and August, including the location and number of attendees at each charrette. He described the agenda and goals of the charrettes, and he acknowledged that the attendees were extremely engaged and provided great feedback. He presented examples of similarities and differences in themes that were identified between the different PDCs and provided examples of the feedback that was provided in the assets and visioning exercises. Dr. Batten also described common themes across all of the PDCs. He reported that Dewberry is currently finishing an assimilation of the information gleaned from the charrettes, and that they will produce a report that all of the Subcommittees can review. Dr. Batten advised the Committee that meetings for under-resourced communities would be starting tonight- these communities were identified using the impact assessment. There are five meetings scheduled through September 27, but there is an initial capacity for 32 meetings.	
		Ashley Samonisky presented a summary of the two surveys (Centralized Stakeholder and Public), as well as the responses received for each survey (See Attached Slides). Recognizing the few submissions received from tribal leaders to the Centralized Stakeholder survey, Ms. Samonisky reported that the Commonwealth intends to continue consultation with tribal members/government to foster engagement moving forward. Ms. Samonisky reviewed major concerns voiced by stakeholders in the surveys, the results of which mirrored the concerns demonstrated at the charrette meetings. She recognized that the centralized survey has closed, but that the public survey will remain open until mid-October to ensure that those attending the under- resourced community meetings have a chance to complete it. Ms. Samonisky presented the results of the public survey as well, including the demographics of respondents and their major concerns.	
		Ms. Samonisky also presented a summary of the public meetings held in July and August, including the location of and number of attendees at each public meeting. She acknowledged that advertising had not reached proper saturation for the first two meetings, as radio spots were not broadcasted until the day before in some cases. The last meeting (Northern Virginia) was the only meeting that was completely virtual, as a storm caused loss of power and cancellation of the in-person meeting. Ms. Samonisky provided an overview of the public meeting agenda and examples of the types of feedback received at the meetings. She then opened the floor for questions.	
		<ul> <li>Q- Georgie Marquez: I do not see Hispanic/LatinX listed in your summary of the race demographics of public respondents. Were they not included in the analysis? Was an effort made to reach out to the Hispanic/LatinX community in Virginia?</li> <li>Ms. Samonisky: We used the population demographics used by the Census.</li> <li>Secretary Strickler: We definitely want to expand our outreach to better engage this population. We can meet with you to discuss how we can address this moving forward.</li> <li>Jill Bieri: When doing a survey of all of Coastal Virginia, it is important to properly reflect the demographics of those that live here. Was there a target to have a specific ratio of respondents of age and race groups? Getting responses from a large number of people is great, but if you are getting</li> </ul>	

	Agenda/Minutes		
#	Agenda Item	Minutes	
		<ul> <li>responses from the same type of people, you are not conducting an effective survey. You have to make sure that the population proportions are represented in the survey respondents. Did you take that into account beforehand?</li> <li>Ms. Samonisky: The main goal of this survey was to assess an initial pulse of the public's perceptions of coastal flooding.</li> <li>Dr. Batten: The survey will remain open as we continue these underserved community meetings. They will have the opportunity to take the survey as well. There could be an opportunity to compare Census data to the respondents.</li> <li>Secretary Strickler: That was outside of the scope of the current survey, but I am hoping that efforts continuing after this iteration can become more involved.</li> </ul>	
		<ul> <li>Q- Elizabeth Andrews: On one slide, you said you have 5 underserved community meetings scheduled, with a capacity for 32 total. I noticed that the scheduled meetings are predominantly located in Hampton Roads. Are you doing these meetings in waves, and will there be more scheduled in different regions?</li> <li>Dr. Batten: Some of the meetings that are currently in the planning phase are in Middle Peninsula and Eastern Shore. These initial meetings are being scheduled by our partner who is based in Hampton Roads, but we will be moving into other regions after this first set.</li> <li>Norm Goulet: The Commonwealth website has 6 meetings advertised. I would suggest that, when the meetings are scheduled, you email them out to us because we cannot always check on the website.</li> <li>Secretary Strickler: Yes, we can do that.</li> </ul>	
		<ul> <li>Q- Mary Carson Stiff: Just as is being done with the datasets, can we acknowledge the limitations and inadequacies of the outreach efforts in the appendix, since there have been so many challenges due to COVID and the short timeframe? If outreach continues, then these efforts and their limitations could advise future efforts-documentation of where we succeeded and failed.</li> <li>Dr. Batten: Yes, we will definitely be incorporating those considerations.</li> </ul>	
		<ul> <li>Q- Darren Coffey. It is unfortunate that no one from the public attended the GW meeting, but there are multiple communities- King George, as well as in Stafford, that are interested in receiving more information about this project. Could there be a set of meetings in that area? There are organizations in the area that also can help increase attendance.</li> <li>Secretary Strickler: Yes, we will be looking to have community meetings in that area and look forward to working with those local organizations to promote them.</li> </ul>	
		<ul> <li>Q: Could you use the 15 people that attended the charrette as individuals who could help promote attendance at following meetings? That way, you are using local leaders to get more people engaged.</li> <li>Rear Admiral Phillips: Yes, that is one of our goals, and we gathered their contact information at the meetings so that we could reach out to them moving forward.</li> </ul>	

	Agenda/Minutes			
#	Agenda Item	Minutes		
		It sounds like the primary feedback from the TAC is that you might need to compare the demographics of those that responded to the survey to the demographics of the communities they come from to get accurate representation of lived experiences.		
		<ul> <li>Q- John Bateman: I wanted to ask if consideration has been brought to do periodic outreach going forward, as well as continued surveys and data calls?</li> <li>Secretary Strickler: Yes, one of the things we have learned from this process is that we have a lot left to learn and do. To get from where we are to where we want to be, we need for this to be a living and iterative process. The form that that will take is to be determined, but we do want to continue the efforts.</li> </ul>		
		Lauren Landis (in chat): NGOs did ask multiple times in the community outreach subcommittee for language accommodations to be made (e.g., resources in Spanish and on-site/virtual translation) and nothing materialized. It's unlikely that there *would* have been any way to get the "pulse" of those communities if it's not in their language.		
		Project Database / Capacity Building Data Call Response / Evaluation Criteria / Project Evaluation and Prioritization Outcomes		
		Alaurah Moss presented the results of the project data call and capacity building needs survey. She described updates that had been made to the project classification schema, and she reviewed the baseline project screening process. She then walked through the evaluation scoring process, using a standard set of evaluation criteria to score each project to produce a raw score for each project, which would then be weighted. Ms. Moss presented adjustments that had been made to the evaluation factors and described each of the criteria, as well as the type of data that went into each criteria. She reviewed how the projects might be tiered in the future and also reported the current status of the review process. Scoring criteria will continue to undergo iterative review; Dewberry is anticipating additional vetting of the project data prior to the final.		
		<ul> <li>Secretary Strickler: The initial project descriptions provided in the data call can only get us so far. For those projects in higher tiers, we will want to go out and get additional information.</li> <li>Rear Admiral Phillips: The call for supplemental information will be coming fast, likely in early September. We will look to gather as much information as we can from localities and project owners.</li> </ul>		
		Ms. Moss opened the floor for questions.		
		Q: Ms. Andrews: I am concerned because you noted the lack of projects submitted to the data call by Northern Neck and Middle Peninsula. What are the plans to make sure they are included moving forward? Is this reflecting a capacity issue? Will they not be included in this iteration?		
		<ul> <li>Dr. Batten: Northern Neck just went through the RAFT process, so they believe they will have projects in the future to provide. I will let John Bateman provide further information regarding Northern Neck. For Middle Peninsula, it</li> </ul>		

Agenda/Minutes			
# Agenda Item	Minutes		
	<ul> <li>is a capacity issue. They have a list of projects to enter, but they did not have the capacity to do so.</li> <li>Mr. Bateman: For Northern Neck, we thought the turnaround was too quick for us to provide projects. After a year of the RAFT, each locality identified a range of products from capacity building to implementation. Over time, we can work to develop a concrete list of projects.</li> <li>Rear Admiral Phillips: There are no representatives from the Middle Peninsula PDC on the call. Middle Peninsula is working collectively and holistically, as the PDC is representing the localities. Almost all of their projects are on private properties. They have the Fight the Flood program they are working on, which is a project in and of itself. How do we show what they are accomplishing without including projects on individual properties? Middle Peninsula is also very focused on how they can expand capacity for the PDC and localities. Everyone is in a different place, so we need to meet people where they are.</li> <li>Secretary Strickler: At the beginning of this process, we knew what we were facing different problems in different regions. We did not understand what damage would be caused. We did not know the types of projects and phases of planning each region was in. We can talk about what we know now and what we do not know. We will talk about the projects in this list, the capacity building that localities need, and include a gaps analysis of vulnerable areas that do not have any projects planned or resiliency efforts being conducted. We are beginning to understand what needs to be protected and how they will be protected.</li> <li>Ms. Andrews: My concern is that our rural areas will get left out, which happens a lot. Is it possible to get limited information just to have a marker from those areas?</li> <li>John Bateman (in chat): If the project subcommitte wants to reach out to jbateman@nipdc17, state.va.us, we would be happy to provide a compendium of capacity building and implementation projectsand</li></ul>		

	Agenda/Minutes		
#	Agenda Item	Minutes	
		<ul> <li>Q- Dr. Carl Hershner: Your hazard analysis only includes coastal flooding. The analysis you are purporting to do will not be appropriate, until you know hazard caused by precipitation. It desperately needs to be included to improve the master plan.</li> <li>Secretary Strickler: Yes, that is absolutely a gap that we will be addressing going forward.</li> </ul>	
		<ul> <li>Q- Carol Considine: You identified that \$3.3 billion would be needed to implement the projects submitted to the data call. The City of Virginia Beach had a \$5 billion cost for resiliency projects alone, so there seems to be some costs missing from that estimate.</li> <li>Will you only rely on the projects submitted to this data call to produce the overall cost of implementing coastal resiliency projects? <ul> <li>Secretary Strickler: It will be very difficult to identify a total cost. There will be need for solutions that do not have a cost estimate for filling that need. There are unknown solutions for which we do not have a cost estimate. It will be difficult to get an overall estimate.</li> <li>Carol: It is important to have the overall cost of projects. It feels like there is a disconnect that needs to be addressed</li> <li>Rear Admiral Phillips: We have a shot of doing some reconciliation on that number, but there are some costs that we will not know.</li> </ul> </li> </ul>	
		<ul> <li>Q: Are there projects specifically looking at social vulnerabilities?</li> <li>Dr. Batten: Most of the projects addressing social vulnerabilities may be in the capacity building needs database. We can look at those that ranked high in the database and look at their project descriptions. Some of these projects have outlined addressing social vulnerabilities as a goal of the project.</li> </ul>	
		<ul> <li>Q- Dr. Jessica Whitehead: This is great work. Outside of this document, what happens to that framework that you built? As new projects come in, is there a hand-off planned to one of the agencies to use what has been built moving forward?</li> <li>Secretary Strickler: We will transfer ownership of all of this work to DCR. That is where all of the data will live. The web app will be the interface that can be used by the public.</li> </ul>	
		<ul> <li>Q- Reggie Tupponce: Many of the tribes are in MPPDC. Capacity and funding for capacity are the two main problems for the tribes when it comes to coastal resiliency projects. Many of us are newly established and have extremely limited capacity. This is one of the main reasons that you are not seeing participation from us. Outreach is really important, as recent months have brought issues from COVID, bad weather, and continued small staffs.</li> <li>Secretary Strickler: We are looking to pull together a meeting with tribal staff and leadership, especially to discuss ways to help communities plan and put together approaches for building resilience and engaging the Community Flood Preparedness Fund.</li> </ul>	
		Q- Dr. Troy Hartley: You have developed a criteria. When you start to create those tiers, will we be able to take a closer look at what kinds of projects are in the top 25%	

	Agenda/Minutes			
#	Agenda Item	Minutes		
		<ul> <li>and see what is not there and what needs to be included? Is there any inherent bias in the application of the criteria? That needs to be addressed in order for the process to be effective.</li> <li>Secretary Strickler: I do not think that the exact scores of the projects will be published, but there will be continued review of the criteria and the weighting strategy.</li> </ul>		
		<ul> <li>Q- Mary Carson Stiff: Regarding the incorporation of future conditions, if a lot of the projects have been created in CIPs, how do we know that they incorporate future conditions?</li> <li>Dr. Batten: That is self-reported at this time. That is what we were referring to as far as needing follow-up. We will need to go back and get more information on projects and verify objectively how future conditions were incorporated into the project.</li> </ul>		
		<ul> <li>Q: How does this master plan match with the Community Flood Preparedness Fund, especially with the project list?</li> <li>Dr. Batten: There is the funding opportunity database, and we have built on that work.</li> <li>Mr. Cristman: We need to remember that CFPF is a statewide program and the CRMP is only focused on a part of the Commonwealth.</li> <li>Secretary Strickler: The prioritization framework will be incorporated into the future grant manual for coastal projects.</li> </ul>		
		<ul> <li>Q- Ms. Katchmark: Can the plan evaluate both coastal flooding and rainfall flooding?</li> <li>How will you make sure that rainfall flooding is not deprioritized?</li> <li>Ms. Moss: The goal is to make these multiple selection answers going forward, so that, if you are a project focusing on stormwater, it does not mean you will not be prioritized.</li> <li>Ms. Katchmark: Will you present all scores in the final document so that we can see how every project is scored?</li> <li>Secretary Strickler: That will not be in the master plan, but we can have further discussion of the tiering. We are looking at a multitude of stormwater-focused projects that have been submitted. How do we move from just stormwater-focused projects to something dealing with multiple threats? We do not want to exclude something that will be beneficial.</li> </ul>		
		<ul> <li>Q- Dr. Hershner: The evaluation protocol, as currently constructed, is inappropriately sophisticated or too specific. Many of the criteria are self-reported. The accuracy of those numbers becomes a real issue. If you go through the list to strike out those self-reported, it changes your evaluation of the projects. This is significantly flawed from where you want to be. This report needs to include the rationale, but it also needs to recognize that the criteria cannot be appropriately implemented at this point.</li> <li>Secretary Strickler: Yes, being straightforward about limitations will be a major priority for us.</li> </ul>		

	Agenda/Minutes			
#	Agenda Item	Minutes		
		dismissed if the two are married without accounting for the limitations. There is a lot of work that has been done that is commendable; however, there may be unintended consequences.		
4.	Subcommittee Recommendations for Master Plan / TAC Considerations for Future Work Updates, Additional Discussion, and Questions	· · · · ·		
		<ul> <li>Q- Norm Goulet: Are the Subcommittee recommendations going to be incorporated into the CRMP document?</li> <li>Secretary Strickler: It is unclear where they will exist in the document, but the information will definitely be incorporated.</li> <li>Mr. Goulet: Typically, these types of recommendations exist in an appendix.</li> <li>Secretary Strickler: I look forward to reviewing those recommendations in more detail.</li> </ul>		

	Agenda/Minutes			
#	Agenda Item	Minutes		
		Community Outreach Subcommittee – Ashley Montgomery		
		As other Subcommittees have mentioned, we are waiting for specific information to be provided before we make our final recommendations. The results of the survey and other analytic pieces are very pivotal to the outlines of the Subcommittee to determine what has been done and not been done, as well as where we can improve. In our last Subcommittee meeting, we discussed documenting successes and failures of current outreach efforts. Many of our conversations have revolved around capacity, as well as the process by which we engage in outreach. We do not have formal recommendations today, but once we have that documentation, we will be having an in-person meeting this month so that we can create more final recommendations. We hope that these recommendations are included in an integral way in the Master Plan document.		
		Studies, Research, and Best Practices Subcommittee – Dr. Robert Weiss		
		I first want to recognize Vice Chair Karen McGlathery for her work. We met on August 9 <sup>th</sup> and discussed how the Relocation Handbook to provide information and resources. The content will be an introduction to identify strengths and gaps, lessons learned from other states, a summary of current research and scientific thinking, and case studies that were composed by our students. The document is aimed at multiple audiences: individual households, communities, localities, etc. It will provide information and resources, as well as determine what is needed for the future. We are still putting that document together, but we are certain that we can make the deadline. We have a lot of recommendations. I will mention a sample of them. We have general recommendations, as well as recommendations from our three different working groups- relocation, nature-based infrastructure, and socioeconomic equity. General recommendations: the TAC process should move to a more permanent status in the administration; the CRMP should be have a continued development process that is not interrupted between iterations; we should ensure that the master planning process is more realistically scheduled and staffed; we should create a framework that will allow the State to benefit from educational institutions and their resources; we should provide regional equity for flood risk not just coastally; and climate change impacts need to be considered across Virginia, as sea level rise is only one climate change impact. Relocation working group recommendations: this infrastructure should be considered critical infrastructure, as these systems have benefits outside of what is generally considered; we should include the development of a priority list and identify land where those solutions can be designed. Socioeconomic equity working group recommendations: create a solid community engagement plan that is regionally explicit at the right scale- there is great variability across Virginia despite being close to each		

	Agenda/Minutes			
#	Agenda Item	Minutes		
		other. The socioeconomic equity working group will have more recommendations based on the current outreach plan.		
		Federal Installation Partnership Subcommittee – Capt. Thomas Crabbs		
		We have delivered results from all JLUS studies conducted from 2014 to today, which have been delivered to the TAC and hope that all of those studies are included for review in the data call. There are 30 DoD installations in Virginia- 26 reside in our area of interest (coastal PDCs). When including all federal installations, not just DoD, we have 40 installations in the area of interest. Where we have a shared locality and federal installation space is a great space for partnership and shared resources. How do we enable localities to understand what federal funding opportunities or capacity opportunities are out there that they can leverage through their relationship with federal installations? We have identified a list of DoD opportunities, USACE opportunities, as well as opportunities from other agencies. The state can provide advocacy, opportunities for matching funds, capacity, and governance. We have also just found the "Advancing Resilience for Defense Communities" resource and reference manual and are currently reviewing it to inform our efforts. Our recommendation is that there should be a roadmap provided to localities that allows them to understand what funding opportunities are out there, how to plan towards those opportunities, and how to implement them. We would like to pair with Dewberry to get this into the Master Plan. We know there is energy from other Subcommittees, and we want to harmonize with that. We hope that Dewberry will be a technical lead to provide graphic support and help in producing the narrative. We want to come up with a tool that provides clarity to localities, so they understand all of the avenues that exist and where they fit into this space. We have an outline that we have been furiously developing, and we will be sharing that with Dewberry. Regarding the future of the Subcommittees, we think we have more work to do and are ready to maintain our efforts as a Subcommittee.		
		Aligning Economic Development Subcommittee - Sara Dunnigan absent, John Bateman provided brief		
		We are in the process of developing recommendations, including a statement of Subcommittee's mission and goals, the economic outreach context we have developed, and our specific recommendations in building resilient businesses and local economies. For future iterations, we will be surveying the capacity of current members and, from there, developing specific recommendations regarding representation that needs to be added to the Subcommittee		
5.	Program Updates- Secretary Strickler         VCFPF Grant Manual Release           The second grant round opened last month, before the first round closed round focused on resilience planning and capacity building. We used the manual for the second round, so we expect to see similar results. The first closes tomorrow. A number of resilience plans have come in and been approximately			

	Agenda/Minutes			
# Agenda Item Minutes				
		have an application for the City of Newport News as well, which will be reviewed soon. The second grant round will be open until November 4, 2021. We are excited to review them and see how they align with the wok that we are doing here.		
		Targeted Next Meeting Date We will look for a date in October to reconvene this group. There will be a lot of Subcommittee work to do in the coming months. Please keep an eye out for a poll to establish the next meeting date.		
6.	Public Comments	Secretary Strickler opened the floor to public comments.		
		Brent Hunsinger: My comments have already been addressed and spoken on.		
		Emily Steinhilber: Thank you for all of your work. I understand you will be reviewing the 90% draft soon. As you send different portions of the draft to the specific Subcommittees, could the draft be posted on the SNR or CRMP website so that people could provide comment via email, and so the Subcommittees have greater context when providing recommendations?		
		Secretary Strickler opened the floor for any remaining comments by the Committee members.		
		<ul> <li>Dr. Hershner: I was under the impression that you would address the potential future of the TAC moving forward?</li> <li>Secretary Strickler: We will have another meeting in October, as well as a subsequent meeting this year. I believe some version of this body should continue past this administration and for the foreseeable future. The brainpower and expertise of the Subcommittees is invaluable to continue the progress that we are making here. I agree that some version of the TAC would be a core recommendation as part of the CRMP. We are open to suggestions for details as to how we execute that between administrations. We will work with whoever wins in November to continue this work.</li> <li>Dr. Hershner: My primary question is what is your optimal strategy to continue this? You mentioned parking this in DCR, so it exists outside of changing administrations. Is that our only option?</li> <li>Secretary Strickler: I do not think that it is our only option, especially because we have seen so much support from the localities. However, I cannot exactly make predictions.</li> <li>Dr. Hershner: Are there legislative options? You can stick this into a state agency, but agencies and the directions they take can change. It does not seem like a guarantee.</li> <li>Secretary Strickler: Whoever comes in for the next administration has the ability to continue or stop any of our executive actions. This was an executive order. The General Assembly may want to take action, but it is not something that we can address before the General Assembly meets again.</li> </ul>		

Agenda/Minutes				
#	Agenda Item	Minutes		
		<ul> <li>Dr. Hershner: Who is the Master Plan being delivered to? Will someone own it when it is completed?</li> <li>Secretary Strickler: It will be delivered to the Governor and the General Assembly, and the Governor will direct agencies to execute actions. Whether it is picked up is the next administration's option. The current Governor will not have a lot of time. We will do our best to brief the General Assembly and the Governor. We will need all of your help to make sure your interests are reflected and communicated.</li> </ul>		
		<ul> <li>Q: Elizabeth Andrews: Do you need a set of concise recommendations in addition to the long list of recommendations from each of the Subcommittees? Should the committee chairs get together to say we collectively suggest these items to create a clear message to the General Assembly?</li> <li>Secretary Strickler: That could be very helpful. Different Subcommittees are on different timelines regarding recommendations, given the information the need from the Master Plan draft document.</li> <li>Dr. Hershner: If we look back at the history of this subject, we need 3-4 main recommendations that highlight what the General Assembly needs to do to sustain this effort. If we could come to a conclusion as a group and put thos main recommendations in the executive summary of the document, not the appendix, it will create a clear message.</li> <li>Can we make a motion for that to happen before the next meeting?</li> <li>Secretary Strickler: I do not think it is necessary to make a motion. We are of the same page.</li> </ul>		
7.	Motion to Adjourn	Secretary Strickler adjourned the meeting at 4:30 pm.		

	Action Items			
#	Action Item	Owner (Organization)	Due Date	
1.	Send Subcommittees pertinent sections of the 90% draft document for review.	Chair/ Staff	Sept 10	
2.	Provide written recommendations, as well as feedback on the 90% draft documents provided for review, to Secretary Strickler and Rear Admiral Phillips	Subcommittee Chairs	Sept 17	
3.	Schedule October TAC Meeting	Chair/Staff	Week of Sept 13	

If you have any questions, please contact Emily Sokol, Vision Planning and Consulting, at esokol@vision-pc.net.