

### Virginia Coastal Resilience Technical Advisory Committee (TAC)

<b>Subject</b>	TAC Meeting 2023 Q4	<b>Date</b>	12/15/2023
<b>Chair</b>	DCR Director Matt Wells	<b>Time – START/ADJOURN</b>	9:00am/10:35am
<b>Location</b>	Virtual	<b>Scribe</b>	CPP

TAC Members		
<b>Title [Alternate Title] Organization (Abbreviation)</b>	<b>Name [Alternate Name]</b>	<b>Attended</b>
Coastal Planner <b>Accomack-Northampton Planning District Commission (A-NPDC)</b>	Kellen Singleton	Y
Flood Planning Director <b>American Flood Coalition (AFC)</b>	Jack Krolikowski	Y
Chief <b>Chickahominy Indian Tribe</b>	Chief Stephen Adkins	
Chief <b>Chickahominy Tribe Eastern Division</b>	Chief Gerald A. Stewart	
Executive Director <b>Crater Planning District Commission (Crater PDC)</b>	Jay Ellington	
Executive Director [Environmental Planner II] <b>George Washington Regional Commission (GWRC)</b>	Charles P. Boyles, II [Meredith Keppel]	
Chief Resilience Officer [Principal Water Resources Engineer] <b>Hampton Roads Planning District Commission (HRPDC)</b>	Ben McFarlane [Whitney Katchmark]	Y [Y]
Executive Director [Deputy Director] <b>Middle Peninsula Planning District Commission (MPPDC)</b>	Lewis L. Lawrence, III [Curtis Smith]	Y [Y]
Chief <b>Monacan Indian Nation</b>	Chief Kenneth Branham	
Environmental Program Coordinator <b>Nansemond Indian Nation</b>	Cameron Bruce	Y
Environmental Planner <b>Northern Neck Planning District Commission (NNPDC)</b>	Brianna Heath	Y
Director of Environment and Resiliency Planning [Coastal Zone Program Manager] <b>Northern Virginia Regional Commission (NVRC)</b>	Norm Goulet [Rebecca Murphy]	[Y]
Chief Data Officer [Deputy Chief Data Officer] <b>Office of Data Governance and Analytics (ODGA)</b>	Ken Pfeil [Marcus Thornton]	Y [Y]
Chief Diversity, Opportunity, and Inclusion Officer [Deputy Chief Diversity Officer] <b>Office of Diversity, Opportunity and Inclusion (ODOI)</b>	Martin Brown [Michael Perez]	[Y]

<b>TAC Members</b>		
<b>Title [Alternate Title] Organization (Abbreviation)</b>	<b>Name [Alternate Name]</b>	<b>Attended</b>
Director of the Institute for Coastal Adaptation and Resilience [Director of Applied Projects, CCRFR] <b>Old Dominion University – Institute for Coastal Adaptation and Resilience (ODU ICAR)</b>	Dr. Jessica Whitehead  [Carol Considine]	Y  [Y]
Chief <b>Pamunkey Indian Tribe</b>	Chief Robert Gray	
Planning Manager, Environment Program [Resilience Planner] <b>PlanRVA</b>	Sarah Stewart [Eli Podyma]	[Y]
Chief <b>Rappahannock Indian Tribe</b>	Chief G Anne Richardson	
Secretary and Chief Resilience Officer <b>Secretary of Natural and Historic Resources (SNHR)</b>	Travis Voyles	
Director, Volgenau Virginia Coastal Reserve <b>The Nature Conservancy (TNC)</b>	Jill Bieri	
Commander [Deputy Chief, Water Resources Division] <b>U.S. Army Corps of Engineers, Norfolk District (USACE)</b>	Colonel Brian P. Hallberg [Greggory Williams]	[Y]
Director of the Environmental Institute <b>University of Virginia, Environmental Institute (UVA – EI)</b>	Dr. Karen McGlathery	
Tribal Administrator <b>Upper Mattaponi Indian Tribe</b>	Reggie Tupponce	
Executive Vice President, Public Policy and Government Relations [Vice President for Public Policy and Legislative Affairs] <b>Virginia Chamber of Commerce</b>	Keith Martin [Kristin Burhop]	
Director <b>Virginia Department of Conservation and Recreation (DCR)</b>	Matthew Wells	Y
Director, Grant Management and Recovery Division [State Hazard Mitigation Officer] <b>Virginia Department of Emergency Management (VDEM)</b>	Robert Coates [Debra Messmer]	Y
Chief Stormwater Policy Advisor [Manager of the Office of Wetlands and Stream Protection] <b>Virginia Department of Environmental Quality (DEQ)</b>	Evan Branosky [Dave Davis]	Y
Assistant Director <b>Virginia Department of Housing and Community Development (DHCD)</b>	William Curtis	Y
Environmental Division Director [Assistant Division Director] <b>Virginia Department of Transportation (VDOT)</b>	Chris Swanson [Christopher Berg]	Y [Y]

TAC Members		
Title [Alternate Title] Organization (Abbreviation)	Name [Alternate Name]	Attended
Senior Vice President Governmental Relations [Legislative Specialist, Governmental Relations] <b>Virginia Farm Bureau (VAFB)</b>	Martha Moore [Katelyn Rose Jordan]	[Y]
Associate Dean for Research and Advisory Services [Associate Director for Advisory Services] <b>Virginia Institute of Marine Science (VIMS)</b>	Dr. Mark Luckenbach [Lyle Varnell]	Y
President & CEO <b>Virginia Manufacturers Association (VMA)</b>	Brett Vassey	
Commissioner [Director of Coastal Policy, Restoration and Resilience] [Chief of Habitat Management] <b>Virginia Marine Resources Commission (VMRC)</b>	Jamie Green [Rachael Peabody] [Randy Owen]	
Chief Development and Public Affairs Officer [Director of Environmental Policy and Compliance] <b>Virginia Port Authority (VPA)</b>	Cathie Vick [Scott Whitehurst]	
Executive Director [Director of Program Management] <b>Virginia Resources Authority (VRA)</b>	Shawn Crumlish [Peter D'Alema]	Y [Y]
Director <b>Virginia Sea Grant</b>	Dr. Troy Hartley	Y
Director of the Center for Coastal Studies [Coastal Resilience Extension Specialist] <b>Virginia Tech – Center for Coastal Studies (VT – CCS)</b>	Vacant [Dr. Wendy Stout]	
Acting Director <b>Virginia Transportation Research Council (VTRC)</b>	G. Michael Fitch, Ph.D.	Y
Executive Director <b>Wetlands Watch</b>	Mary-Carson Stiff	Y

TAC Advisors		
Name	Title Organization (Abbreviation)	Attended
Joseph Howell	Regional Community Plans & Liaison Officer <b>Navy Region Mid-Atlantic (Navy)</b>	Y

TAC Staff		
Name	Title (Organization Abbreviation)	Attended
Andrew Smith	Chief Deputy Director, DCR	Y
Darryl Glover	Deputy Agency Director of DSFPM/SWC, DCR	Y
Matt Dalon	Resilience Planning Program Manager, DCR	Y
Carolyn Heaps-Pecaro	Resilience Planning Program Coordinator, DCR	Y
Wheeler Wood	Consultant, Virginia Commonwealth University Center for Public Policy (CPP)	Y

Reference Links	
Item	Link
Meeting Agenda	<a href="https://townhall.virginia.gov/L/GetFile.cfm?File=meeting\49\38789\Agenda_DCR_38789_v1.pdf">https://townhall.virginia.gov/L/GetFile.cfm?File=meeting\49\38789\Agenda_DCR_38789_v1.pdf</a>
Meeting Handouts/Presentation Slide	<a href="https://www.dcr.virginia.gov/crmp/meeting/document/2023q4-tac-handouts-final.pdf">https://www.dcr.virginia.gov/crmp/meeting/document/2023q4-tac-handouts-final.pdf</a>
Video Recording of the Meeting	<a href="https://www.youtube.com/watch?v=qhyloqeA1rM">https://www.youtube.com/watch?v=qhyloqeA1rM</a>
Additional Links:	

Agenda Item	Minutes
<b>1. Call to Order, Roll Call, Introductions</b>	Meeting was called to order at 9am and roll call was taken from the Zoom participant list.
<b>2. Adoption of Meeting Agenda</b>	A motion was made, seconded, and passed unanimously to accept the agenda for the December 15 <sup>th</sup> meeting.
<b>3. Adoption of Meeting Minutes from September 19, 2023</b>	A motion was made, seconded, and passed unanimously to adopt the minutes of the September 19 <sup>th</sup> meeting.
<b>4. Reports from DCR</b>	<p>Chair Matt Wells (DCR) shared the update.</p> <p>The Resilience Coordination Workgroup finished their work a few weeks ago. They unanimously adopted 23 recommendations including shifting the CRO to report to the Governor in a non-cabinet role, establishing an office to support the CRO, adopting a hub and spoke model for resilience work in Virginia (with the CRO serving as the hub and the agencies as the spokes), establishing an inter-agency working group, allowing the CRO to serve as the non-federal sponsor for projects, providing technical assistance to localities, establishing a new group or rescope the TAC to support the development and implementation of the statewide plan, and lastly establishing a statutory framework to ensure oversight and transparency in the Community Flood Preparedness Fund (CFPF) and the Resilient Virginia Revolving Fund (RVRF).</p> <p>Applications on Round 4 of the CFPF closed in November and DCR received 66 applications for grants. Staff are scoring applications to assign grant funds and are setting up an advisory committee to support the scoring process. DCR also closed applications for the RVRF this week. Received one application for \$500k in capitalization of local revolving fund category (maximum possible value for application). DCR expected that it would take some time to get the program up and running, as loan programs often do. Will be looking at the program and charting a path forward, including discussing with stakeholders.</p>

	<p>DCR is working on a planning and consulting RFP for flood resilience planning, and is currently interviewing consultants and anticipates awarding the contract in January, with the work to start in February. This is in addition to ongoing work with Dewberry.</p> <p>The Office of Resilience Planning is hiring an additional Resilience Planner who will work on similar projects to Carolyn. Matt Dalon (DCR) shared that they will be reviewing the first round of applications on the 5th of January. The application will remain open till the position is filled.</p> <p>Matt Dalon shared an update on Phase II of the Virginia Coastal Resilience Master Plan, due by 12/31/24. Based on the legislation, this phase needs to incorporate all major flood hazards, comprehensive risk assessment, and an inventory of projects. This phase will also implement community engagement plans.</p> <p>The planning process includes two parts, 1) the new Coastal Resilience Web Explorer, which provides context for the issues and projects currently rolling out and 2) a PDF document plan including subcommittee recommendations from the TAC.</p> <p>There is an end user survey circulating currently that everyone is asked to complete to ensure that these deliverables are useful.</p> <p>The primary audiences/users for the plan include PDCs, localities they serve, tribal governments, and state agencies/ programs. The hope is that stakeholders will be able to use the information provided by DCR in order to create resilience plans that impact their localities, where they are the experts on the local context.</p> <p>So far DCR is on target to meet the end of 2024 deadline. Creation of the document is not included in this timeline, so some elements of the development timeline will be shortened to make room for that.</p> <p>Matt Dalon shared an update on pluvial modeling. They have completed the pilot with Dewberry and are now moving on to the full production effort, which is scheduled to be delivered in April. Thanks were expressed to the TAC members for all their input. Key decisions include:</p> <ul style="list-style-type: none"><li>● Pluvial modeling will use a 0.5 ft depth threshold</li><li>● A mosaic approach will be employed for the land cover/land use input data to combine coverage areas of the Chesapeake Conservancy Land Cover Data, Virginia Statewide Land Cover Dataset, and National Land Cover Dataset</li><li>● A fixed-interval approach will be used for precipitation full production modeling to cover the range from the Atlas 14 data to the RCP 8.5 long-term projections. DCR used the most conservative 100-year adjustment factor, which was 1.79. This should provide a long shelf-life for this</li></ul>
--	---

	<p>precipitation data and models reflecting climate change continue to update.</p> <p>Matt Dalon further shared that the CRWE user portal update was completed, along with a bulk upload. DCR is now transitioning to training to increase use of and access to the portal. An overview of the portal and its use was provided.</p> <ul style="list-style-type: none"> <li>● the new website is <a href="https://VAResilienceExplorer.com/">https://VAResilienceExplorer.com/</a></li> <li>● DCR received 143 projects and initiatives that were added to the web explorer from coastal PDCs</li> <li>● Complete and in-progress state agency projects are also starting to be added to the database. For example, VDEM recently shared a story map of all completed projects.</li> </ul> <p>MPPDC shared that, though MPPDC only submitted one project to the bulk upload, the project affects the entire peninsula and thus in comparison is much broader in scope than other single projects appearing in the web explorer. He asked that an asterisk be added to the chart in order to give that context. Matt Dalon affirmed that the information can be updated to reflect this concern.</p> <p>Jessica Whitehead (ICAR) asked if all projects in the “PDC Projects and Initiative Upload Summary” could be separated to reflect which projects serve individual sites versus larger programs in order to show more nuance to those in Virginia and beyond. This kind of information about what kinds of projects are implemented and where is a huge gap in the recent National Climate Assessment, so this will be very valuable information to the federal government. Matt Dalon shared that the gaps analysis will provide additional detail to summarize the projects and initiatives received.</p> <p>Matt Dalon shared that there are 659 projects in the database. Additional review and analysis of these submissions are needed. DCR will review this data against flood hazard data and identify potential gaps and opportunities to close them. This supports the CRMP Phase II financial needs assessment.</p> <p>DCR asks that all projects and initiatives be submitted by April 1, 2024 to ensure sufficient time for data analysis with contractors. If anyone has any questions about how to get their projects input, DCR is available to provide support. The same goes for anyone that members on the call know who may have projects to upload. There is a user form to complete to gain access (<a href="http://dcr.virginia.gov/crmp/cr-web-explorer">dcr.virginia.gov/crmp/cr-web-explorer</a> or <a href="http://varesilienceexplorer.com">varesilienceexplorer.com</a>) which should be submitted to <a href="mailto:resilience.explorer@dcr.virginia.gov">resilience.explorer@dcr.virginia.gov</a>.</p> <p>Matt Wells expressed thanks to Matt Dalon and Carolyn Heaps-Pecaro for working on this project, which will facilitate a more holistic view of the work happening.</p>
<p><b>5. Reports from TAC Subcommittees</b></p>	<p><b>I. Research, Data and Innovation</b></p>

- A. Evan Branosky (DEQ) shared that they are following Dewberry's recommendations around pluvial modeling, as discussed above. Other key decisions from this subcommittee have already been covered, including flood hazard reporting scenarios and flood hazard data for the flood protection master plan.
- B. Related to resilience planning scenarios, the subcommittee has expressed a preference for a simplified set of scenarios, suggests emphasizing median instead of upper and lower bounds, advises contacting MARISA for an update, and considering how this data will be used by primary end users.
- C. Subcommittee has also been weighing in on flood hazard data availability for the upcoming Virginia Flood Protection Master Plan (due '25). The recommendations include being strategic about a long-term plan for filling data gaps, including considering 3rd party flood hazard data.
- D. The subcommittee's next meeting will focus on (1) decision on how to organize and report out on the vast amount of flood hazard data being produced; (2) discussions on statewide data; (3) start working on recommendations for future plans across all elements of the subcommittee's charge.
- E. ODU ICAR shared info on discussion with Ellen McCray, Eastern Region Climate Services Director for NOAA regarding legal liability issue. NOAA general counsel is looking at questions of liability related to 3rd party data on the federal level and does not have an answer yet. Private data use is new ground. Jess will send an email to follow-up and connect Matt with Ellen directly.
- F. Matt Dalon shared further updates from Phase 2 Flood Resilience Planning Scenarios
  - 1. Scenarios are for planning purposes; looking at a range of possibilities for flooding in an uncertain future and considering risk tolerance across these scenarios.
  - 2. For coastal flood hazard values are based on NOAA's 2017 intermediate-high values
  - 3. For pluvial data, RCP 4.5 and 8.5 for two time horizons
  - 4. For the fluvial side, do not have forward-looking data developed yet. There is some federal flood risk management standards data that could come out this summer but it is uncertain.

	<ul style="list-style-type: none"><li>5. For communication of scenarios and terminology, feedback from MARISA was to use more risk tolerance-based messaging. Terminology/scenarios should be able to be applied depending on the type of assets/decisions being made.</li><li>6. With regard to selecting planning scenarios that combine multiple RCPs vs. using a single RCP and multiple confidence intervals, they advised that both approaches have been used and both are defensible. Goal is to pick information that helps meet decision-making scenarios tied back to risk tolerance. Transparency around data used is important to maintain, but public messaging should be consistent and simplified.</li><li>7. These topics will be discussed further at the next subcommittee meeting.</li></ul> <p>G. Matt Dalon further shared that DCR is considering using Fathom Flood Hazard Data for the Virginia Flood Protection Master Plan. External parties will participate in an upcoming data evaluation process, including VIMS, GMU, VDOT, VDEM, DEQ, HRPDC, EDF. This is a larger, more comprehensive dataset. Will receive snapshot of Fathom data at two evaluation sites, including Dahlgren and Farmville, to represent coastal/inland and with different levels of existing data for comparison purposes. The evaluation will be conducted in January to February to make a decision on data sources.</p> <p>I. Project Prioritization</p> <ul style="list-style-type: none"><li>A. Marcus Thornton (ODGA) shared that the committee has been focused on flood hazard impact assessment.</li><li>B. The proposed approach by DCR includes using the same asset and context grouping as phase I. The next meeting will focus on asset data inputs.</li><li>C. Quantifying flood impacts will use the same methodology for assessment as phase 1 with the exceptions of:<ul style="list-style-type: none"><li>1. pluvial flood model data; the committee will look for new opportunities</li></ul></li><li>D. For reporting findings, DCR recommends developing a new PDF report with more context and impact stories, hotspots, and gaps analysis, updating coastal resilience web explorer, making tabular</li></ul>
--	--



	<p>and spatial data available to download, and developing case studies.</p> <p>E. The following themes emerged from subcommittee discussion:</p> <ol style="list-style-type: none"><li>1. more clarity needed on how agencies will use the plan</li><li>2. the need for summaries of impact findings</li><li>3. there is value in elevating natural infrastructure to critical infrastructure status</li><li>4. adding an assessment of locality staffing and debt capacity to evaluation</li></ol> <p>F. Next steps:</p> <ol style="list-style-type: none"><li>1. DCR will explore an approach to including natural infrastructure</li><li>2. Dewberry will review impacts assessments related to developing recommendations</li></ol> <p>II. Funding</p> <p>A. Shawn Crumlish (VRA) shared a report back from the funding subcommittee. At the last meeting the subcommittee heard a presentation on financial resilience tools from Jimmy Sanderson from Davenport &amp; Co who has expertise in special tax districts, TIFS, Community Development Authorities (CDAs), and more. All of these strategies are available to local governments and have historically been used for other types of local infrastructure, including stormwater, sewer, transportation, etc. The plan is to include these tools in the report, along with how they can be applied to resilience efforts.</p> <ol style="list-style-type: none"><li>1. These tools create revenue that is not available in existing budgets. They can be combined through ordinances. Ex. Fairfax County has a service district that covers the whole county with a 1 penny tax that can only be used for stormwater.</li><li>2. Service districts are usually created by local governments, while CDAs are driven by landowners themselves.</li></ol> <p>B. The subcommittee also identified needs across 4 main lines of effort.</p> <ol style="list-style-type: none"><li>1. Financial baseline: considerations include an inventory of baseline assessments, an economic baseline that includes</li></ol>
--	--

	<p>demographic information, an assessment of locality capacity to take on resilience products, and overlay analysis of federal and state funding priorities.</p> <ol style="list-style-type: none"><li>2. Making the financial case: There was a survey in Phase I that included key information to inform the Phase II survey. Matt Dalon shared that about half of PDCs and localities completed the survey in Phase I; results revealed that the while significant capacity exists for planning, capacity decreases as localities move toward implementation, and particularly when it comes to funding/financing projects. The primary financial tool localities consider are grants, so DCR is trying to learn how to support the use of these other tools.</li><li>3. Documenting opportunities for state support: there is a need for an assessment of existing programs and gaps, as well as what other states are implementing. There is a need to know about opportunities for state-led training on financial tool implementation.</li><li>4. The best way to provide guidance and information: to include information on funding tools, process mapping for implementation, exploring parametric insurance</li></ol> <p>C. Next steps: DCR will share an update on other state’s financial tools, and subcommittee members will prioritize financial needs at the next meeting, including what should go in the Phase II report.</p> <p>D. Katelyn Jordan (Virginia Farm Bureau) asked if there is an inventory of which localities are using which tools. Carolyn Heaps-Pecaro (DCR) shared that the Phase I survey asked about some financial tools, but doesn’t get into the weeds of all mentioned tools. The ongoing end user survey also includes this topic, but doesn’t enter into all of the details. The environmental scan mentioned will likely explore the topic of financial (revenue generating) tools and their application in greater detail.</p> <p>E. Lewie Lawrence (MPPDC) suggested the inclusion of political will and courage in Phase II assessment. The tools are available to all localities, but they are no good if there is no political will to use them.</p> <ol style="list-style-type: none"><li>1. Matt Dalon (DCR) shared that barriers are being explored, including political will. This is reflected in the slide about which tools were considered by PDCs (primarily grants).</li></ol>
--	--

	<p>2. It was reemphasized that local decision-making is a significant factor and creates variation across localities.</p> <p>F. Speaker Pollard shared that the legal committee of the Intergovernmental Pilot Project developed a spreadsheet several years ago of legal authorities related to coastal flooding resilience work, which included the authority for raising revenue. This could be a helpful point of comparison. He agreed to share that with staff.</p> <p>III. Outreach and Coordination</p> <p>A. Carolyn Heaps-Pecaro (DCR) summarized the last meeting. The subcommittee’s efforts have focused on reviewing and providing feedback on the outreach and engagement strategy for the Coastal Resilience Master Plan Phase II. Recommendations of the subcommittee based on the latest draft strategy presented included:</p> <ol style="list-style-type: none"> <li>1. Need for more effort to leverage/ coordinate with existing outreach and engagement efforts for flood resilience</li> <li>2. a commitment to minimizing barriers to participation</li> <li>3. engaging with all tribes in the region starting with an initial meeting before starting smaller groups for workshops</li> <li>4. re-thinking how to prioritize localities, including not discounting localities already involved in the RAFT and other resiliency efforts, including towns, and considering risk from all types of flooding (pluvial and riverine included).</li> </ol> <p>B. Next steps established by the subcommittee at their last meeting included:</p> <ol style="list-style-type: none"> <li>1. DCR staff will update strategy based on subcommittee feedback</li> <li>2. members are asked to provide information about known outreach/engagement efforts that provide opportunities for collaboration and partnership.</li> </ol>
<p><b>6. Old Business</b></p>	<p>None</p>
<p><b>7. New Business</b></p>	<p>I. Phase II Outreach &amp; Engagement Strategy Update</p> <p>A. There is an existing community outreach and engagement plan (COEP) for all flood resilience planning happening out of ORP.</p>

	<p>B. DCR is also building on the initial engagement that happened during Phase I, including prior surveys.</p> <p>C. The goals for outreach and engagement are:</p> <ol style="list-style-type: none"><li>1. to understand end user (PDCs, Tribes, state agencies, and localities) needs</li><li>2. understand lived experiences with flooding</li><li>3. understand existing flood resilience efforts</li><li>4. empower action through information sharing<ol style="list-style-type: none"><li>a) inform stakeholders that the plan exists and how they can use it</li><li>b) make sure folks understand what opportunities exist for engagement</li><li>c) for underserved communities, provide information to advocate and build flood resilience in their communities</li></ol></li></ol> <p>D. Stakeholder identification and analysis</p> <ol style="list-style-type: none"><li>1. DCR conducted a stakeholder mapping process based on potential levels of interest and influence, and came up with two tiers of stakeholders.<ol style="list-style-type: none"><li>a) tier 1 includes primary end users and other high interest/influence stakeholders – will be engaged through involve/collaborate methods.</li><li>b) tier 2 are stakeholders are all others with an interest in flood resilience in coastal Virginia. Will be engaged through outreach and “consult” opportunities to provide feedback via public comment, public webinars, participatory mapping, etc.</li></ol></li></ol> <p>E. Opportunities for improvement – the TAC subcommittee requested that DCR consider which stakeholders were less engaged in the Phase I planning effort. DCR reviewed Tier 1 stakeholder types who did not participate in more engaged efforts in Phase I and developed a short list of priority organization types.</p> <ol style="list-style-type: none"><li>1. some have already been addressed through updating membership of the TAC. Other methods for filling gaps have been identified in the strategy.</li></ol>
--	---

	<p>F. Methods were discussed (additional details available on the slides and on DCR’s website). Notes from presentation:</p> <ol style="list-style-type: none"><li>1. the most interactive method is the TAC; this is an important way for DCR to get input</li><li>2. more engagement through the user portal</li><li>3. planning tribal engagement and locality engagement meetings, especially for localities that weren’t as involved in Phase I</li><li>4. Have an ongoing end user survey for feedback on how people will be using the plan</li><li>5. Planning underserved community meetings with community-based organizations affected by flooding</li><li>6. public comment at the conclusion of the plan’s development</li><li>7. Developing new web explorer participatory mapping program about flooding occurrences and impact</li><li>8. Hosting Monthly NGO coordination meetings</li><li>9. All of these efforts will be complemented with information sharing via a public outreach campaign. A variety of tools and methods for this campaign were shared.</li></ol> <p>G. Schedule</p> <ol style="list-style-type: none"><li>1. DCR is accepting responses to end user survey through the end of December.</li><li>2. The schedule goes through December, 2024, when DCR plans to host a final meeting with public comment.</li></ol> <p>II. TAC Member Discussion</p> <p>A. A committee member shared a comment in the chat that stakeholder groups be called something different than Tier 1 or Tier 2; suggestions include primary and secondary users, or blue and green</p> <ol style="list-style-type: none"><li>1. Carolyn Heaps-Pecaro (DCR) responded that the “tier” language is not used on the website; DCR will incorporate feedback</li></ol> <p>B. A suggestion was made to reach out to industry trade groups as part of outreach, particularly for industries who would be most</p>
--	---

	<p>affected by resiliency planning; this could include folks that have facilities on shorelines or coastal areas. He offered to facilitate with Virginia Maritime Association, Hampton Roads Area Commercial Real Estate Association, and others</p> <ol style="list-style-type: none"><li>1. Matt Wells (DCR) shared that DCR does have private sector actors as part of their outreach plan like the Maritime Association, Chambers, and others. TAC members are asked to share the names of other folks that should be part of the plan.</li><li>2. It was suggested that agricultural groups, shellfish industry, and others may also be good additions.</li></ol>
<b>8. Public Comment</b>	No public comment was offered.
<b>9. Adjourn</b>	Matthew Wells thanked the group for their participation. The next meeting will be in person, date TBD. The meeting adjourned at 10:35am.

### **Voting Records**

A motion was made and seconded to accept the agenda of the December 15 meeting of the Virginia Coastal Resilience Technical Advisory Committee as presented. Motion was made by Jessica Whitehead and seconded by Shawn Crumlish. Motion passed unanimously.

A motion was made and seconded to accept the minutes of the September 19 meeting of the Virginia Coastal Resilience Technical Advisory Committee as presented. Motion was made by Bill Curtis and seconded by Mark Luckenbach. Motion passed unanimously.

---

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

---