Coastal Adaptation and Protection in Virginia: Building a Master Plan

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COASTAL ADAPTATION AND PROTECTION IN VIRGINIA: BUILDING A MASTER PLAN

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EO-24 INCREASING VIRGINIA’S RESILIENCE TO SEA LEVEL RISE AND NATURAL HAZARDS

- SECTION 1: SET STATEWIDE STANDARDS
- SECTION 2: VIRGINIA COASTAL RESILIENCE MASTER PLAN
- SECTION 3: STATEWIDE COMMUNICATION, COORDINATION, COLLABORATION

“VIRGINIA’S ROADMAP TO MAKE OUR BUILT ENVIRONMENT MORE RESILIENT TO FLOODS, HURRICANES, FIRES, AND OTHER EXTREME WEATHER EVENTS. “

GOVERNOR RALPH NORTHAM
NOVEMBER 2, 2018
EO-24: INCREASING VIRGINIA’S RESILIENCE TO SEA LEVEL RISE AND NATURAL HAZARDS

Section 2-A: The Virginia Coastal Resilience Master Plan

- Be based on best available science
- Updated every 5 years
- Provide recommendations to reduce tidal and storm surge flooding and flood risk
- Employ natural and nature-based solutions to the maximum extent possible
- Include a detailed funding analysis
FOCUS AREA
Phase 1: Completing the Coastal Master Plan Plan

Create Objectives and Goals ➔ Assemble Staff ➔ Gather Input from Community Stakeholders ➔ Research ➔ Complete the Draft Master Plan ➔ Gather Feedback ➔ Finalize Draft Plan
Phase 2: Putting the Plan to Action

- Develop Legislative Strategy
- Internal State Alignment
- Create Technical Advisory Committee
- Prioritize Planning Processes
- Integrate State Priorities
- Identify Funding Sources
- Refine and Execute Action Plan
Engagement

Who have we been working with?

Virginia’s Coastal PDC’s, State Secretariats and Agencies, Federal Entities, State of Virginia Colleges and Universities, Business Community, Non-Governmental Organizations, Communities
State Priorities

FIRST- "DO NO HARM"

NATURAL AND NATURE-BASED SOLUTIONS
As a first line of defense
   EXAMPLE: Collaborate across state wetland programs

COLLABORATIVE PROGRAMS
Incentivize multi-jurisdictional projects

ENVIRONMENTAL JUSTICE
Ensure equitable access to funding and technical support for underserved communities

INTEGRATE RESILIENCE THROUGHOUT STATE AGENCIES/PROCESSES
The Chapters

CHAPTER 1: INTRODUCTION
The purpose of the plan

CHAPTER 2: THE SCIENCE BEHIND THE PLAN
Coastal change, SLR prediction, and inundation model

CHAPTER 3: CURRENT EFFORTS
Recently completed and ongoing resiliency projects and BMPs

CHAPTER 4: FLOODPLAIN MANAGEMENT AND NFIP
Integration of DCR report EO 24 2-C into Master Plan

CHAPTER 5: RECOMMENDATIONS FOR ACTION
Gap analysis, needed projects, and framework for state role in funding

CHAPTER 6: FUNDING ANALYSIS AND RECOMMENDATIONS
Needs assessment, potential funding sources, and recommendations

CHAPTER 7: CONCLUSION
Outstanding questions and process for Phase 2
Coming Soon...

DRAFT COMPLETED EARLY FALL TO SUPPORT 2020 BUDGET CYCLE
State-Wide Needs

- Predictive Rainfall Projections
- Predictive Floodplain Mapping
- Riverine and Coastal Gauge System
- Funding
Legislative Efforts

What has been done so far?

- Virginia Shoreline Resiliency Fund 2016
- Commonwealth Center for Recurrent Flooding Resiliency 2016
- Special Assistant for Coastal Adaptation and Protection 2018
- Tax incentives/resilience for built properties 2019
- CPACE for Resilience/living shorelines 2019
- SLAF / VCAP Funding 2019
- Funding for Sand Migration Study/Eastern Shore Wallops 2019
- Residential Property Disclosure Act 2019
- Coal Combustion residuals impoundment/closure 2019
"THE COMMONWEALTH OF VIRGINIA HAS A RESPONSIBILITY TO ASSIST LOCAL GOVERNMENTS IN REDUCING FLOOD RISK THROUGH PLANNING AND IMPLEMENTING LARGE SCALE FLOOD PROTECTION AND ADAPTATION INITIATIVES."

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TIME AND TIDE WAIT FOR NO MAN . . .
PUNGO, VIRGINIA BEACH, 25 JULY 2018, KRISTEN ZEIS, THE VIRGINIAN PILOT