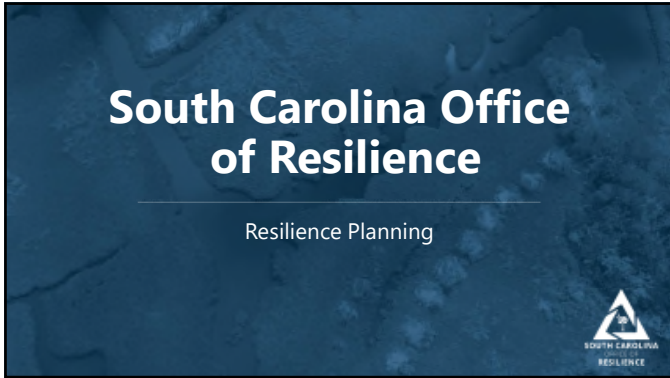


The information provided here is for informational and educational purposes and current as of the date of publication. The information is not a substitute for legal advice and does not necessarily reflect the opinion or policy position of the Municipal Association of South Carolina. Consult your attorney for advice concerning specific situations.



---

---

---

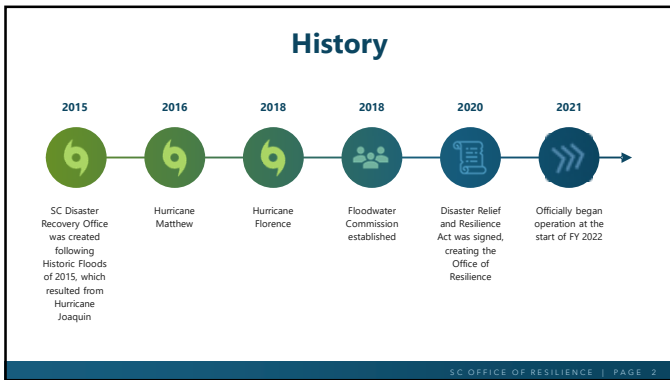
---

---

---

---

---



---

---

---

---

---

---

---

---

**What is Resilience?**

The ability of communities, economies, and ecosystems to **anticipate, absorb, recover,** and **thrive** when presented with environmental change and natural hazards.

---

---

---

---

---

---


---

---





### Horry County Buyout



The proposed project will buyout and demolish 61 homes and their associated non-porous surfaces from the community.

SC OFFICE OF RESILIENCE | PAGE 10

---

---

---

---

---

---

---

---

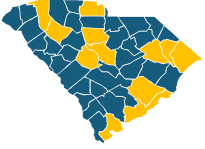
---

---

### Mitigation: American Rescue Plan Act Programs (ARPA) \$100M Designated

**ARPA Stormwater Infrastructure (ASIP)**


- Available statewide – application period held Fall 2022
- \$55M Allocated
- 17 projects awarded



**USS Yorktown Remediation**

- Phase II Pending JBRC
- \$40M available
- Estimated cost: \$29M

Phase I	Phase II
<ul style="list-style-type: none"> <li>• Estimated \$10,710,016</li> <li>• Environmental Study</li> <li>• Immediate hull repair and tank cleanup, necessary for environment remediation</li> <li>• Immediate repair contingency</li> </ul>	<ul style="list-style-type: none"> <li>• Estimated \$18M</li> <li>• Cleanup of hazardous materials (fuel, PCBs, etc.)</li> <li>• Cleanup engineering overnight</li> <li>• Additional hull repair related to environmental remediation</li> <li>• Hull repair contingency</li> </ul>



SC OFFICE OF RESILIENCE | PAGE 11

---

---

---

---

---

---

---

---

---

---

### Resilience Planning

The South Carolina Office of Resilience recently released the **Strategic Statewide Resilience and Risk Reduction Plan** (Resilience Plan). The Plan identifies major flood risks around the state and potential losses that could occur as a result of extreme weather events. The Plan provides strategies for local governments to implement resilience into their communities in order to mitigate potential flood risks.



SC OFFICE OF RESILIENCE | PAGE 12

---

---

---

---

---

---

---

---

---

---

### Legislative Guidance

- The Act stated that the plan should be developed with the principles recommended in the South Carolina Floodwater Commission Report.
- Intended to serve as a framework to guide state investment in flood mitigation projects, adopts programs and policies to protect the people and property of South Carolina from damage and destruction of extreme weather events.
- The Act directed that the initial version of the plan be completed by July 1, 2022. \* (Extended to July 1, 2023)

---

---

---

---

---

---

---

---

### Floodwater Commission Principles

- Flood management plans and actions should be based on watershed boundaries
- Decisions and actions should be based on high-quality, shared and integrated hydrologic and hydrographic models
- Building the capacity of local governments to develop science-based and actionable flood management plans and hazard mitigation plans should be a priority
- Success will depend on collaboration. Collaboration must take place between state agencies to bridge boundaries, as well as between the state and local governments
- Flood management programs should recognize the beneficial functions of natural floodplains, salt marshes, beach dunes, forests, living shorelines and other natural features to reduce flood risk, as well as the co-benefits they deliver
- Post-disaster funding coming to South Carolina from congressional appropriations should be managed in a unified state plan as much as federal rules and guidelines will permit, and coordinated across the multiple sources (i.e. FEMA, HUD).

---

---

---

---

---

---

---

---

### Resilience Planning Assumptions

- The plan will not try to provide solutions to prevent changes to the climate but will offer recommendations for how the state may minimize the impacts that are expected to occur.
- Resilience Planning utilizes an adaptive management approach so that it can adjust to changing conditions and integrate new data sources as they become available.
- Initial Plan recommendations focuses flooding.
  - Other extreme weather events /disasters to be addressed in more detail in subsequent versions of the plan

---

---

---

---

---

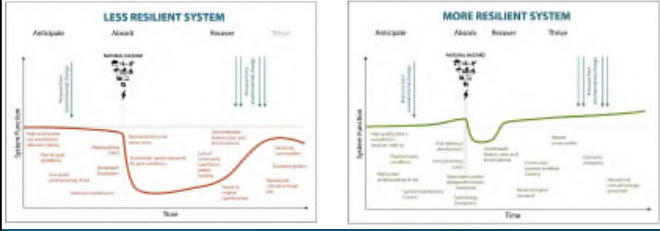
---

---

---

### Resilience Definition

The ability of communities, economies, and ecosystems within South Carolina to anticipate, absorb, recover, and thrive when presented with environmental change and natural hazards.




---

---

---

---

---

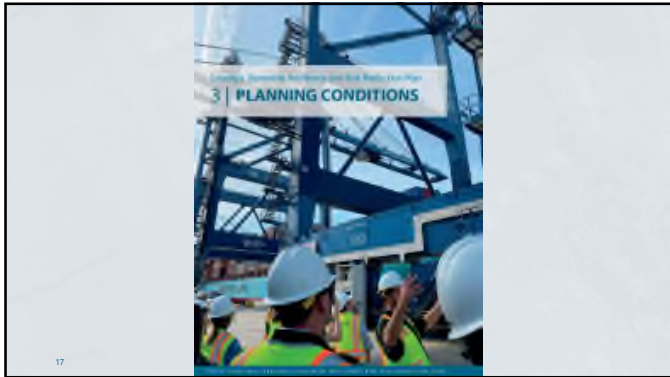
---

---

---

---

---




---

---

---

---

---

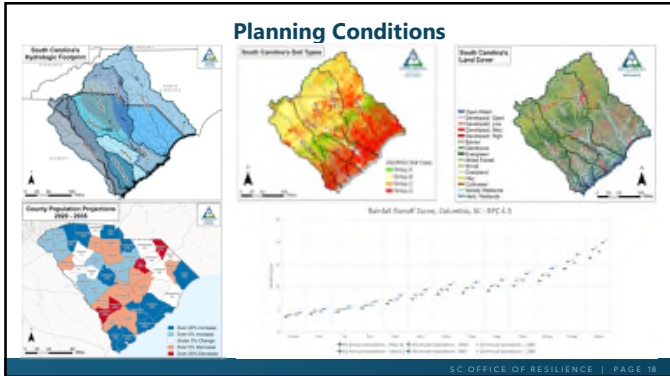
---

---

---

---

---




---

---

---

---

---

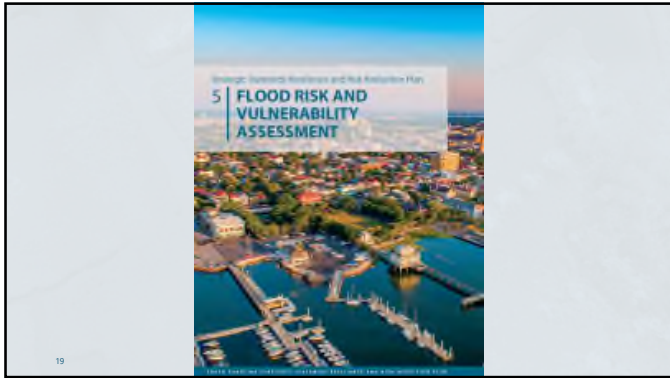
---

---

---

---

---




---

---

---

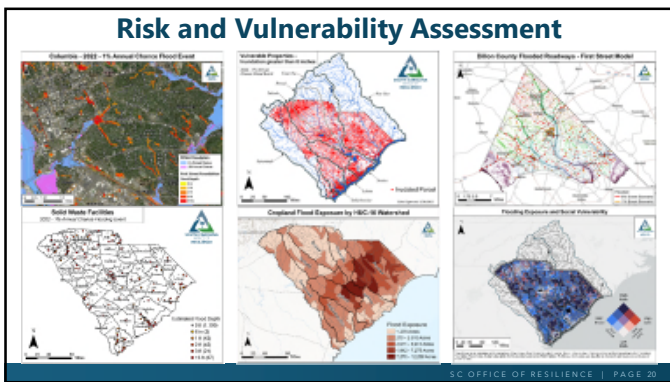
---

---

---

---

---




---

---

---

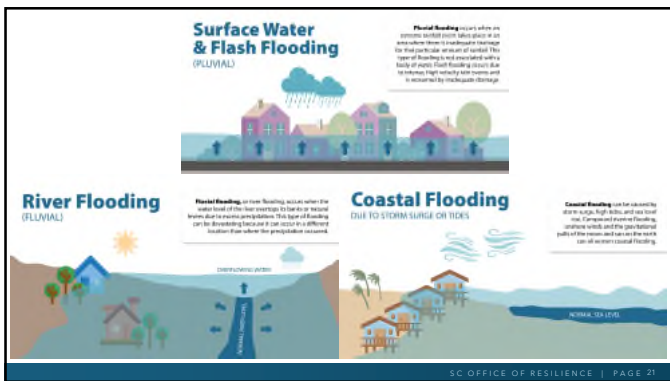
---

---

---

---

---




---

---

---

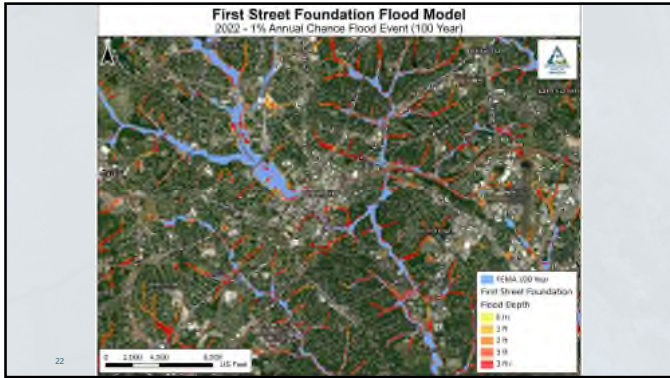
---

---

---

---

---



---

---

---

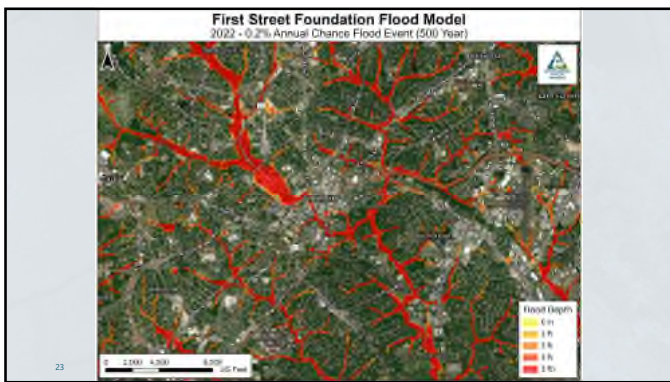
---

---

---

---

---



---

---

---

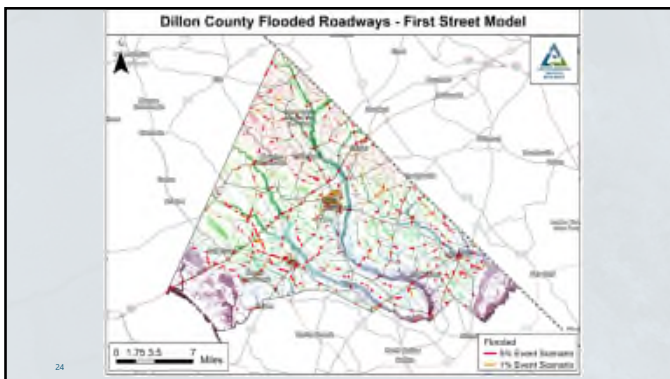
---

---

---

---

---



---

---

---

---

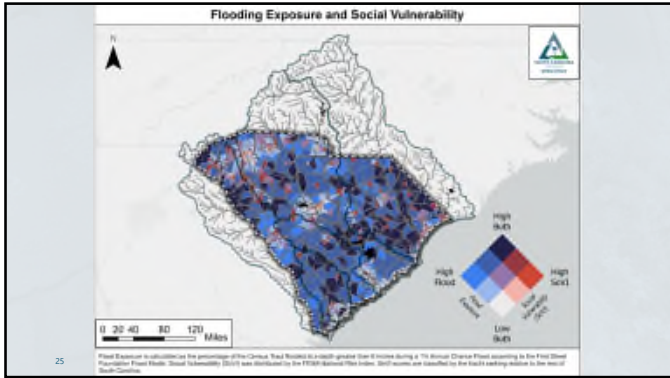
---

---

---

---






---

---

---

---

---

---

---

---




---

---

---

---

---

---

---

---

**Current Process Contents**

<p><b>Anticipate</b></p> <ul style="list-style-type: none"> <li>Land Use Planning &amp; Regulations</li> <li>Hazard Mitigation Planning</li> <li>State Water Planning</li> <li>Other Statewide Planning Efforts Related to Resilience</li> <li>Floodplain Management Regulations</li> <li>Community Rating System</li> <li>Real Estate Disclosure</li> <li>Data</li> </ul> <p><b>Absorb</b></p> <ul style="list-style-type: none"> <li>Stormwater Management Regulations</li> <li>Stormwater Infrastructure Design</li> <li>Green Stormwater Infrastructure Design</li> <li>Building Codes</li> <li>Coastal Zone Management</li> <li>Protection of Wetlands</li> </ul>	<p><b>Recover</b></p> <ul style="list-style-type: none"> <li>National Disaster Response &amp; Recovery Framework</li> <li>State Coordination of Recovery</li> <li>Complicating Factors for Recovery</li> <li>Non-Profit Partners in Recovery</li> </ul> <p><b>Thrive</b></p> <ul style="list-style-type: none"> <li>Community Co-Benefits</li> <li>Economic Co-Benefits</li> <li>Ecosystem Co-Benefits</li> </ul>
--	---

SC OFFICE OF RESILIENCE | PAGE 27

---

---

---

---

---

---

---

---




---

---

---

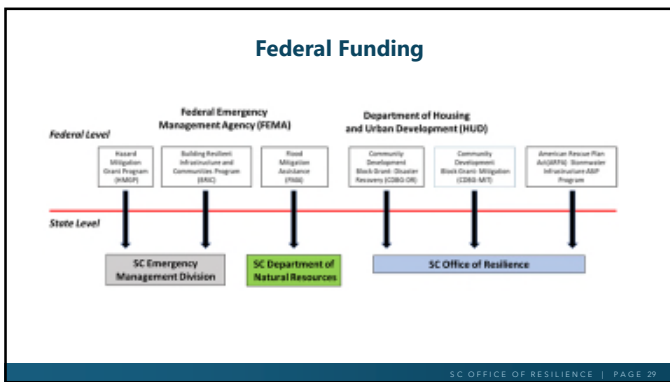
---

---

---

---

---




---

---

---

---

---

---

---

---

- ### Recommendation Themes
- Improve Data Collection and Coordination
  - Increase Education, Outreach, and Disclosure
  - Coordinate Watershed-Based Resilience Planning and Projects
  - Incorporate Resilience into Planning, Land Use and Other Regulatory Processes
  - Maintain and Strengthen Building Codes
  - Incorporate Resilience into Infrastructure Design
  - Maintain Natural Flood Protection Through Conservation
  - Incorporate Resilience into Housing Recovery
  - Establish a Voluntary Pre-Disaster Buyout Program
  - Identify and Maximize All Available Funding Sources For Resilience Activities
- SC OFFICE OF RESILIENCE | PAGE 30

---

---

---

---

---

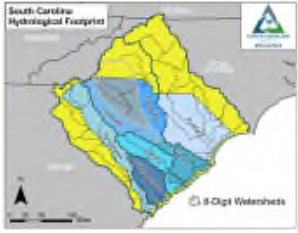
---

---

---

### South Carolina Office of Resilience

Statewide Watershed-Based Resilience Planning Process



- Strategic Statewide Resilience Risk Reduction Plan Recommendation:
  - Coordinate with communities at the watershed level to identify risks and vulnerabilities, develop actionable flood mitigation and resilience solutions, and build community capacity by leveraging local, regional, state, and federal partnerships.
- Technical planning assistance for state and local government entities
- Strategy for providing resources, technical assistance, and other support to local governments
- Comprehensive Plan Resiliency Requirement

S.C. OFFICE OF RESILIENCE | PAGE 31

---

---

---

---

---

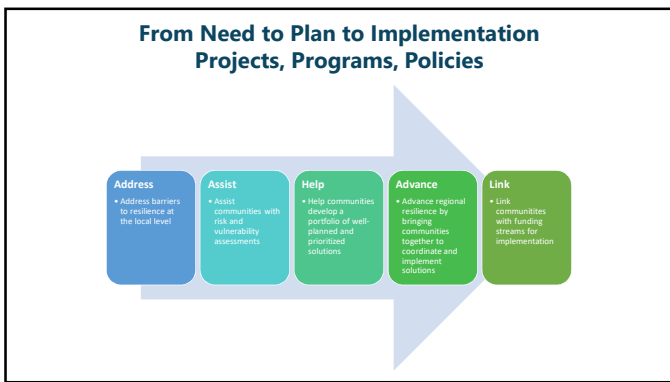
---

---

---

---

---




---

---

---

---

---

---

---

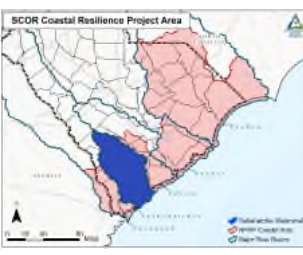
---

---

---

### South Carolina Resilient Coastal Communities Collaborative Program

- Watershed-based planning process in the Salkehatchie River basin, as a pilot program for future watershed-based resilience planning efforts.
- Working with partners at S.C. Sea Grant Consortium and S.C. Beach Advocates.
- Will provide technical assistance to 10 underserved communities to complete community risk assessments, grounded in local engagement, leading to a portfolio of resilience projects.
- Creation of a comprehensive Salkehatchie Watershed Resilience Plan.
- Continued coordination between other proposals/projects.




---

---

---

---

---

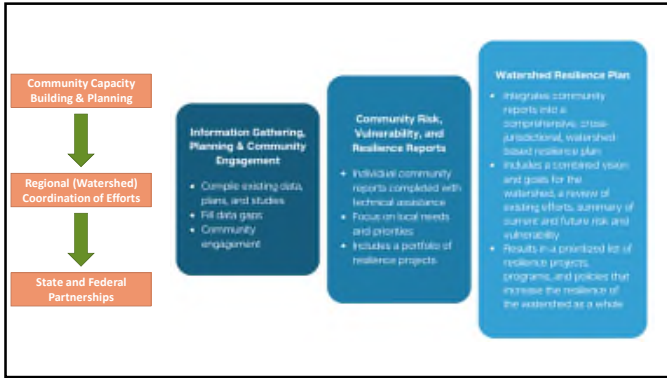
---

---

---

---

---




---

---

---

---

---

---

---

---

---

---

### Grant Administration

**Awarded Grants with SCOR involvement**

- **EPA- Climate Pollution Reduction Grant** - \$3M (DHEC/SC Ports Authority)
- **National Fish & Wildlife Foundation- National Coastal Resilience Fund** \$896,675 (S.C. Sea Grant, S.C. Beach Advocates)
- **EPA Office of Community Revitalization**- \$100,000
- **SC Commission on National & Community Service (AmeriCorps Planning Grant)** - \$83,000
- **NOAA- Coastal Resilience**- \$6.2M (The Nature Conservancy, lead)
- **Robert Wood Johnson Foundation**- \$250,000 (Department of Insurance, lead)

**Grant Applications Submitted/In Development**

- **FHWA PROTECT Grant** \$60M
- **EPA Solar For All** \$200M
- **HUD PRO Housing** \$6.5M
- **FEMA BRIC**

SC OFFICE OF RESILIENCE | PAGE 35

---

---

---

---

---

---

---

---

---

---

# Questions?

---

---

---

---

---

---

---

---

---

---