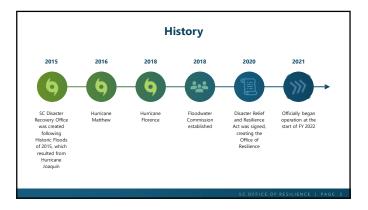
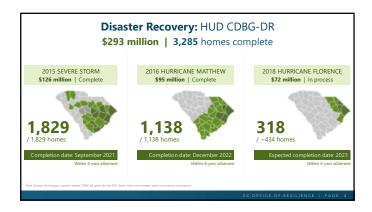
The information provided here is for informational and educational purposes and current as of the date of publication. The information is not a substitute for legal advice and does not necessarily reflect the opinion or policy position of the Municipal Association of South Carolina. Consult your attorney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

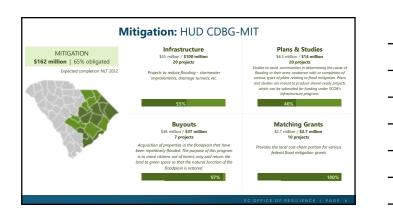




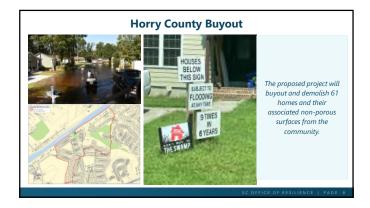








Charleston Medical District: Ehrhardt Tunnel			
ROAD CLOSEC COSEC	The proposed design will eliminate the flood conditions depicted in the bottom left image. The map depicts a typical/average combined rainfall and tide event.		
	SC OFFICE OF RESILIENCE PAGE 7		





Storego Surrents Builders and the Babatter/Nort 1 INTRODUCTION

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)

SC OFFICE OF RESILIENCE | PAGE

Floodwater Commission Principals

- Flood management plans and actions should be based on watershed boundaries, recognizing that water flows and floods do not follow jurisdictional or political lines.
- Decisions and actions should be based on high-quality, shared and integrated hydrologic and hydrographic models that are derived from increased data collection; the data and models should be transparent and freely accessible to all stakeholders.
- Building the capacity of local governments to develop science-based and actionable flood management plans and hazard mitigation plans should be a priority, especially for under-resourced communities. It does little good for one local jurisdiction to have high-quality plans if the upstream jurisdiction does not.
- Success will depend on collaboration. Collaboration must take place between state agencies to bridge boundaries, as
 well as between the state and local governments. Collaboration is essential to build trust among all stakeholders, which
 leads to partnerships, coordination and more effective programs. Collaboration should also be explicitly encouraged with
 key federal agencies (i.e. US Army Corps of Engineers, US Geological Survey, NOAA).

SC OFFICE OF RESILIENCE | PAGE

Floodwater	Commission	Principa	ŀ
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- Ongoing opportunities for public participation and education should be developed to encourage collaboration and build trust.
- 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 for recreation, forestry, tourism, fisheries, and wildlife. "Nature-based solutions" should be considered included in the design of flood control projects whenever possible in order to increase resilience and be cost-effectiveness
- 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

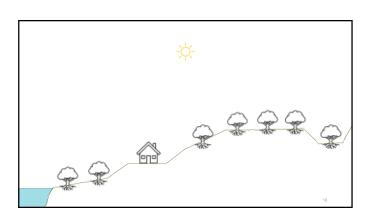
- The plan will not try to provide solutions to prevent changes to the climate but will offer recommendations for how the state may minimize the impacts that are expected to occur.
- Resilience Planning utilizes an adaptive management approach so that it can adjust to changing conditions and integrate 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

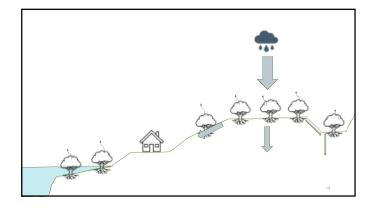
Historic Charleston Foundation Kershaw County Longleaf Alliance Lowcountry Council of Governments Lowcountry Land Trust Municipal Association of South Carolina Able South Carolina Apie South Carolina
American Flood Coalition
Audubon South Carolina
Beaufort County
Buckeye Community Hope Foundation
Building Officials Association of South Carolina
Catawba Indian Nation (Tribal Historic Preservation Office)
Charleston County Muscage Nation
Muscage Nation
National Oceanic Atmospheric Administration
Pew Charitable Trust
Preservation Society
Resilient Lands Matter
Santee Lynches Council of Governments
South Carolina Army National Guard
South Carolina Battleground Trust
South Carolina Battleground Trust
South Carolina Battleground Trust
South Carolina Battleground Trust
South Carolina Department of Agriculture
South Carolina Conservation Bank
South Carolina Department of Archives and History (State
Preservation Office)
South Carolina Department of Archives and History (State
Preservation Office)
South Carolina Department of Commerce Muscogee Nation harleston County Citadel Citizen Center for Public Life Citizen Center for Public Life
City of Charleston Office of Resilience and Sustainability
Clemson University
Coastal Carolina University
College of Charleston
Congaree Land Trust Congaree Land Trust
Conservation Voters of South Carolina
Dominion Energy
Edisto Natchez Kusso Tribe of South Carolina
FEMA Heritage Emergency Task Force
Francis Marion University
Gullah Geechee Cultural Heritage Corridor
Gullah/Geechee Nation

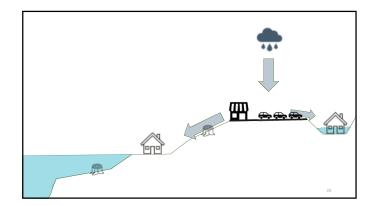
South Carolina Department of Commerce South Carolina Dept. of Health and Environmental Contro

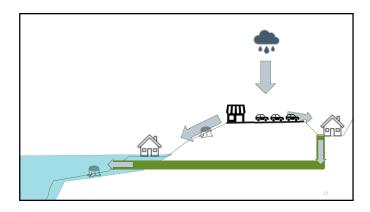
South Carolina Dept. of Health and Human Services
South Carolina Department of Insurance
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South Carolina Department of Netrial Health
South Carolina Department of Natural Resources
South Carolina Department of Natural Resources
South Carolina Department of Social Services
South Carolina Department of Social Services
South Carolina Department of Social Services
South Carolina Department of Transportation
South Carolina Department of Veterans Affairs
South Carolina Department of Veterans Affairs
South Carolina Emergency Management Division
South Carolina Environmental Law Project
South Carolina Institute of Archeology and Anthropology
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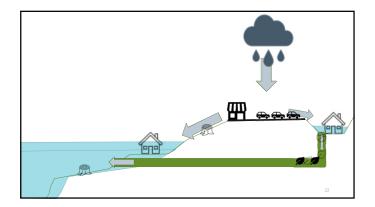
Resilience Definition The ability of communities, economies, and ecosystems within South Carolina to anticipate, absorb, recover, and thrive when presented with environmental change and natural hazards. **MORE RESILIENT SYSTEM** **MOR

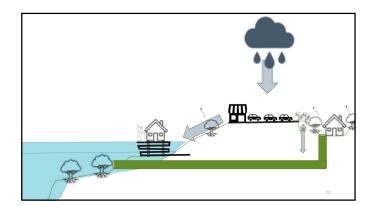


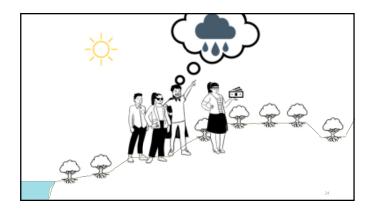


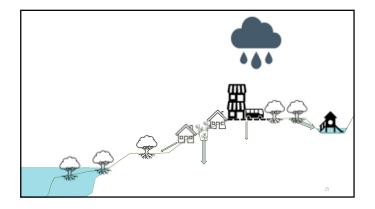




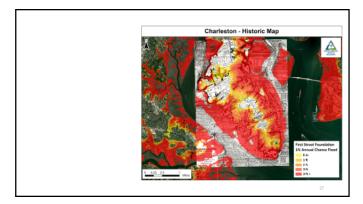




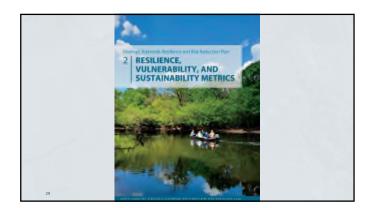


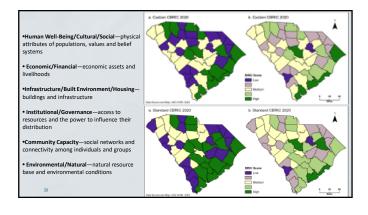




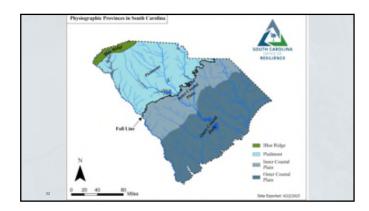




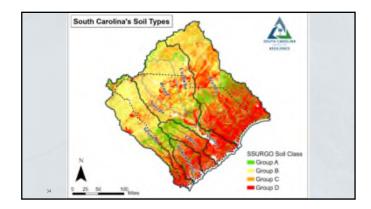


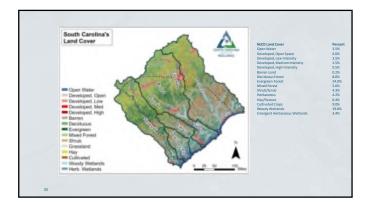


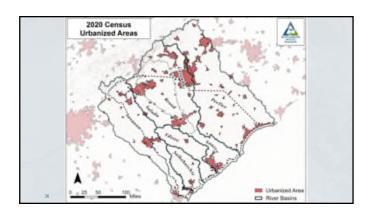


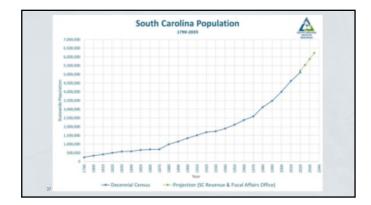


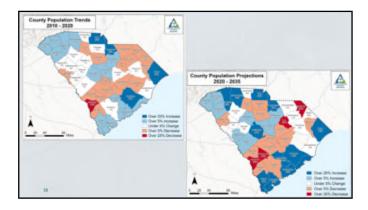












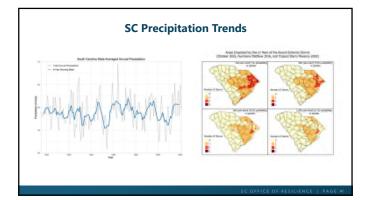


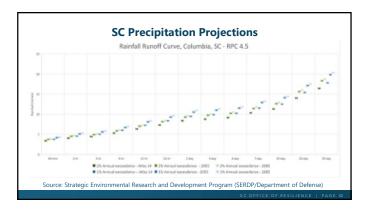
SC Temperature Trends

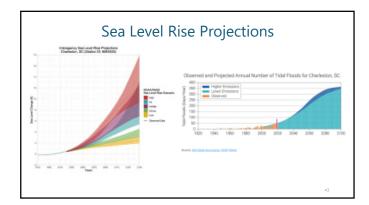
- Since 1895, average annual temperature has increased by approximately 1°F, lower than the average global increase of approximately 2°F. However, the rise during the past 60 years has matched or exceeded global increases and the past 30 years have been warmer than any other consecutive 30-year period.
- Climate models project South Carolina temperature increases of 5° to 10°F by the year 2100, depending on future greenhouse gas emissions.

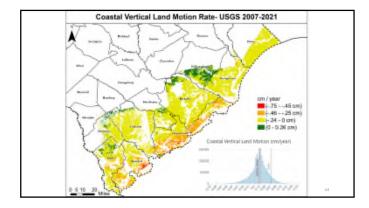


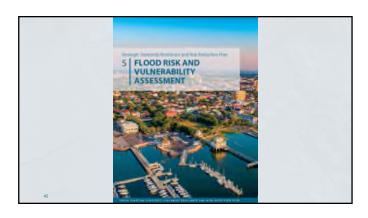
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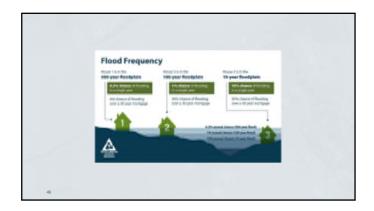




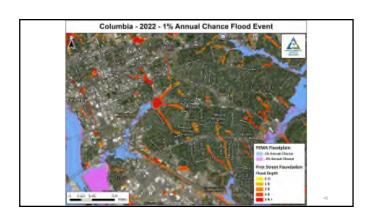


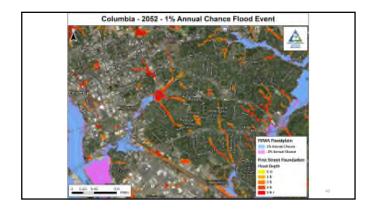


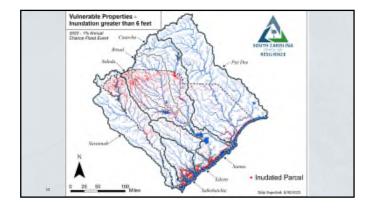


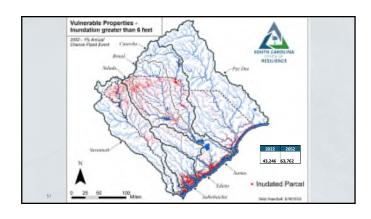


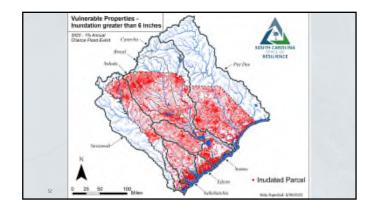


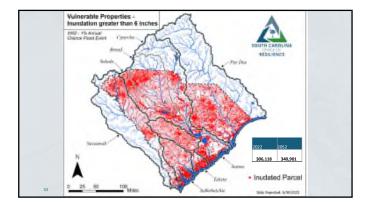


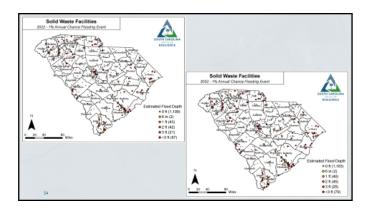


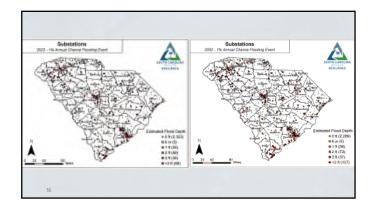


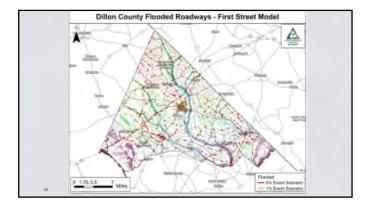


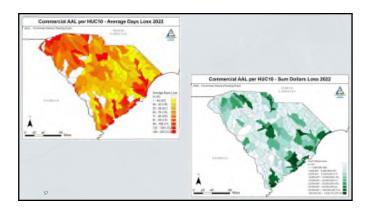


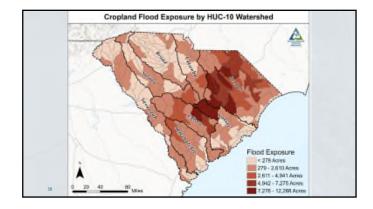


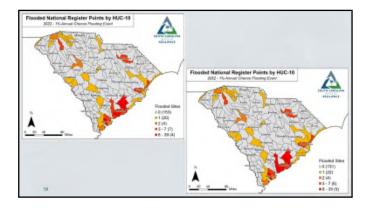


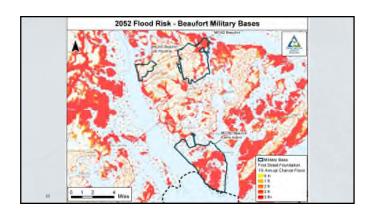


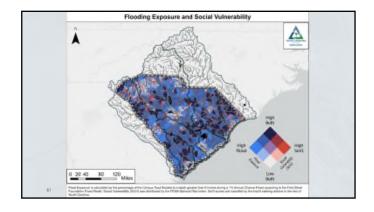




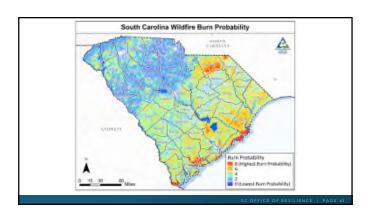


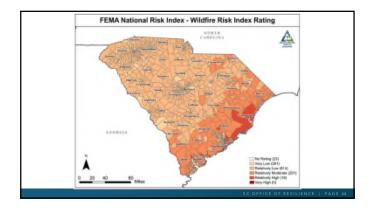


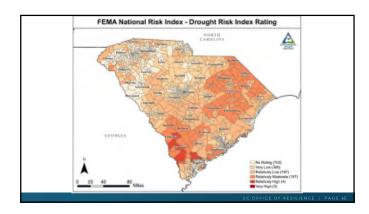


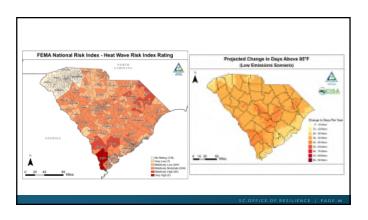


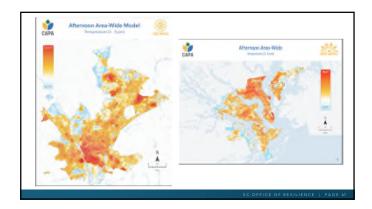


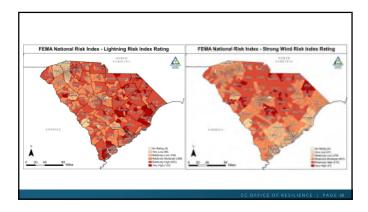


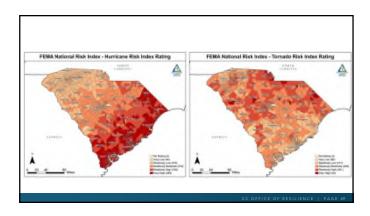


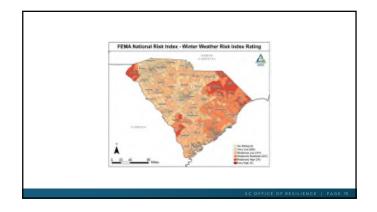


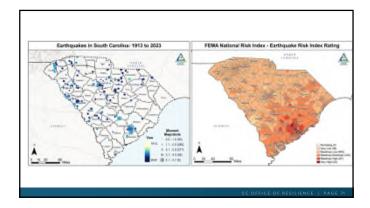


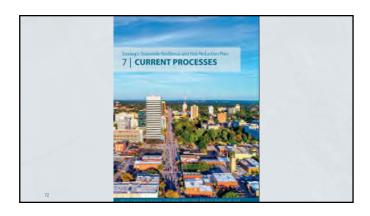












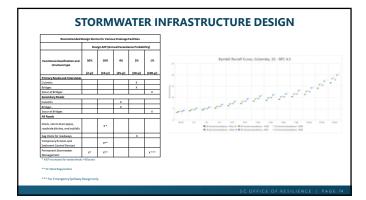
Current Process Contents

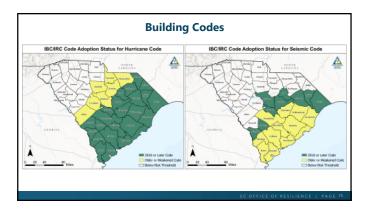
Anticipate
Land Use Planning & Regulations
Hazard Mitigation Planning
State Water Planning
Other Statewide Planning Efforts Related to Resilience
Floodplain Management Regulations
Community Rating System
Real Estate Disclosure
Data

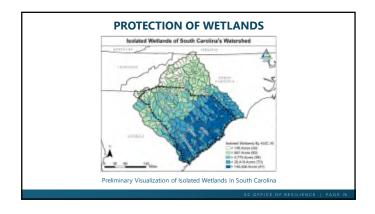
Absorb
Stormwater Management Regulations
Stormwater Infrastructure Design
Green Stormwater Infrastructure Design
Building Codes
Coastal Zone Management
Protection of Wetlands

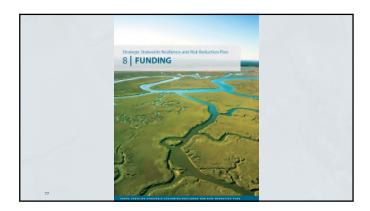
Recover National Disaster Response & Recovery Framework State Coordination of Recovery Complicating Factors for Recovery Non-Profit Partners in Recovery

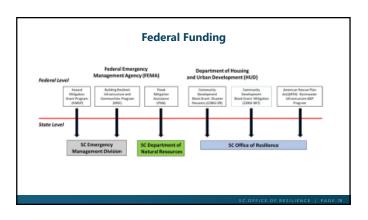
Thrive Community Co-Benefits Economic Co-Benefits Ecosystem Co-Benefits











Reserve and Revolving Funds

Reserve Fund

• \$44M Initial (\$200M added in FY2024)

- Pre-disaster programs
- Hazard mitigation infrastructure projects
 Buyouts and acquisitions
- Buyouts and acquisitions
 Post-disaster programs
 Provide nonfederal share for federal disaster assistance programs
 Infrastructure repairs for non-CDBG-DR eligible homeowners and communities
 Local government loans and grants for immediate assistance
 Support Disaster Case Management efforts jump starting the disaster recovery

Revolving Fund

• \$6M for low interest loan for voluntary home buyouts and floodplain restoration projects



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

