South Carolina Office of Resilience

FY 2024-2025 Budget

SOUTH CAROLINA
OFFICE OF
RESILIENCE

FY24-25 Requests

SCOR requests:

- **An increase of $4,256,047 in recurring General Operating funds**
  - **Includes a request for authorization to convert 29 TGEs to FTEs and add 11 FTEs**

- **Non-recurring $43,000,000 for mitigation and resilience projects as well as increasing the disaster relief fund**

- **Increase federal funds line item authority from $100M to $150M due to federal grant programs and dollar volume handled by SCOR**

Key Officials

- **Ben Duncan-** Chief of Resilience/Agency Director
- **Eric Fosmire-** Chief of Staff/General Counsel
- **Andrew DeRienzo-** Finance Director
- **Ran Reinhard-** Director of Operations
- **Alex Butler-** Resilience Planning Director

Mission

SCOR lessens the impact of disasters on the communities and citizens of South Carolina by planning and coordinating statewide resilience, long term recovery and hazard mitigation.

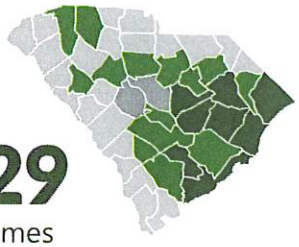
Major Program Area: Disaster Recovery

SCOR uses HUD funds through a Community Development Block Grant- Disaster Recovery (CDBG-DR) grant to repair, replace or rebuild homes impacted by hurricanes

Major Program Area: Disaster Recovery

$293 million in HUD CDBG-DR | **3,398** homes complete

2015 SEVERE STORM
$126 million | 100% complete



1,829
/ 1,829 homes

Completion date: September 2021

Within 6-year allotment

1.	Bamberg	7.	Darlington	13.	Greenwood	19.	Orangeburg
2.	Berkeley	**8.**	**Dorchester**	**14.**	**Horry**	20.	Spartanburg
3.	Calhoun	9.	Fairfield	15.	Kershaw	**21.**	**Sumter**
4.	**Charleston**	**10.**	**Florence**	16.	Lee	**22.**	**Williamsburg**
5.	**Clarendon**	**11.**	**Georgetown**	17.	Marion		
6.	Colleton	12.	Greenville	18.	Newberry		

2016 HURRICANE MATTHEW
$95 million | 100% complete

1,138
/ 1,138 homes

Completion date: December 2022

Within 6-year allotment

1.	Allendale	7.	Charleston	13.	Dorchester	19.	Lee
2.	Bamberg	8.	Chesterfield	14.	Florence	**20.**	**Marion**
3.	Barnwell	9.	Clarendon	**15.**	**Georgetown**	21.	Marlboro
4.	Beaufort	10.	Colleton	16.	Hampton	22.	Orangeburg
5.	Berkeley	11.	Darlington	**17.**	**Horry**	23.	Sumter
6.	Calhoun	12.	Dillon	18.	Jasper	**24.**	**Williamsburg**

2018 HURRICANE FLORENCE
$72 million | 88% complete

431
/ 485 homes

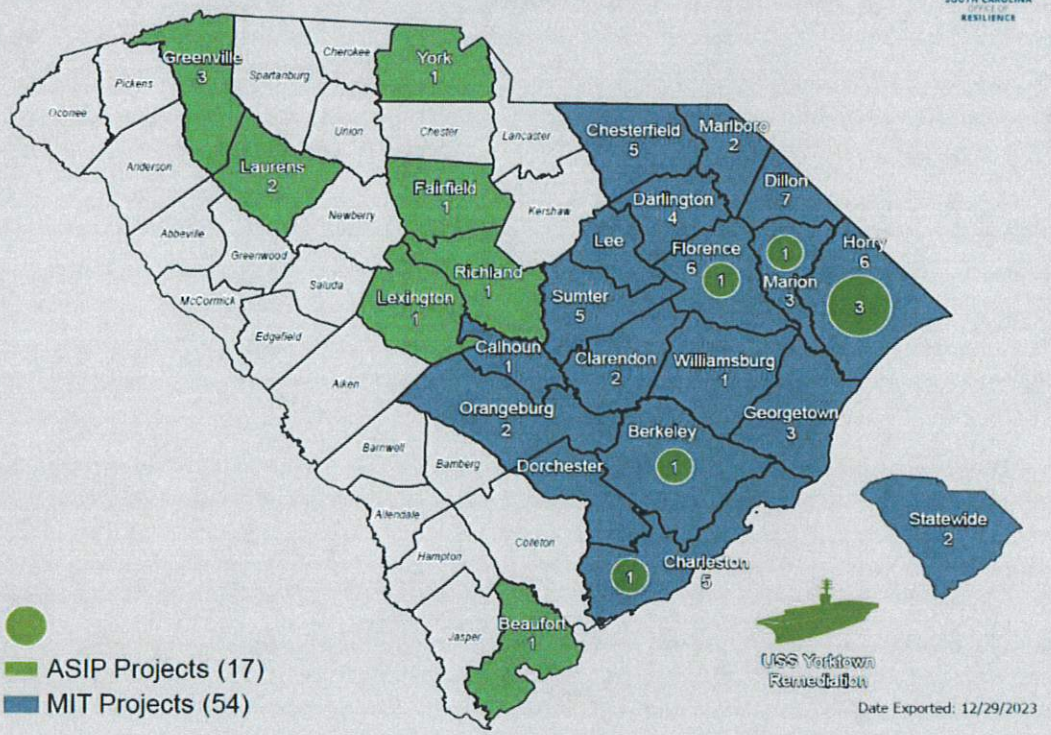
Expected completion date: August 2024

Within 6-year allotment

1.	Chesterfield	5.	Georgetown
2.	Darlington	**6.**	**Horry**
3.	**Dillon**	**7.**	**Marion**
4.	Florence	8.	Marlboro

**Note: Richland & Lexington counties received CDBG-DR grants for the 2015 Severe Storm and therefore were not served by our programs.*

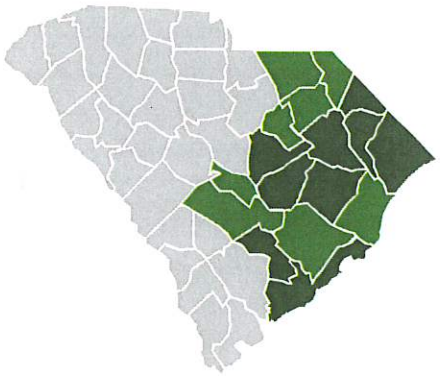
CDBG-MIT and ARPA Projects



Major Program Area: Mitigation

MITIGATION
$162 million in HUD CDBG-MIT
63% obligated

Expected completion NLT 2032



Available to 17 counties in SC

Infrastructure

$100 million allocated / $62 million awarded
20 projects

Projects to reduce flooding – stormwater improvements, drainage tunnels, etc.

Phase I	Phase II
• $50M was available • Received $113M in requests • Awarded $50M	• $40M available • Received $91M in requests • Award determination & notification: early to mid 2024

55%

Plans & Studies

$9.1 million allocated / $6.5 million awarded
20 projects

Studies to assist communities in determining the cause of flooding in their area; assistance with or completion of various types of plans relating to flood mitigation. Plans and studies are meant to produce shovel-ready projects which can be submitted for funding under SCOR's Infrastructure program.

71%

Buyouts

$42.3 million allocated / $34 million awarded
6 projects

Acquisition of properties in the floodplain that have been repetitively flooded. The purpose of this program is to move citizens out of harm's way and return the land to green space so that the natural function of the floodplain is restored.

97%

Matching Grants

$2.5million allocated / $2.1 million awarded
8 projects

Provides the local cost-share portion for various federal flood mitigation grants

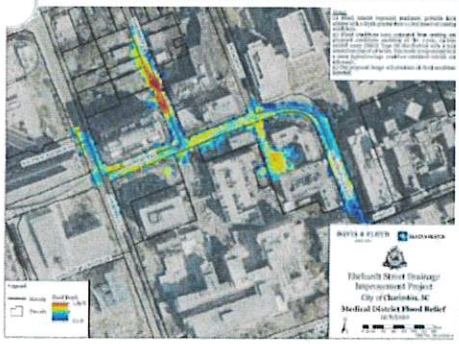
84%

Mitigation & ARPA Infrastructure

Funds Available vs. Proposals Received

	Amount Available	Proposals Received
Mitigation Phase I	$50M	$113M
Mitigation Phase II	$40M	$91M
ARPA	$55M	$200M +
Totals	**$145M**	**$404M +**

Charleston Medical District: Ehrhardt Tunnel



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.

Charleston Medical District: Ehrhardt Tunnel

This is one of a series of 9 vortex boxes and 3 access retrieval shafts

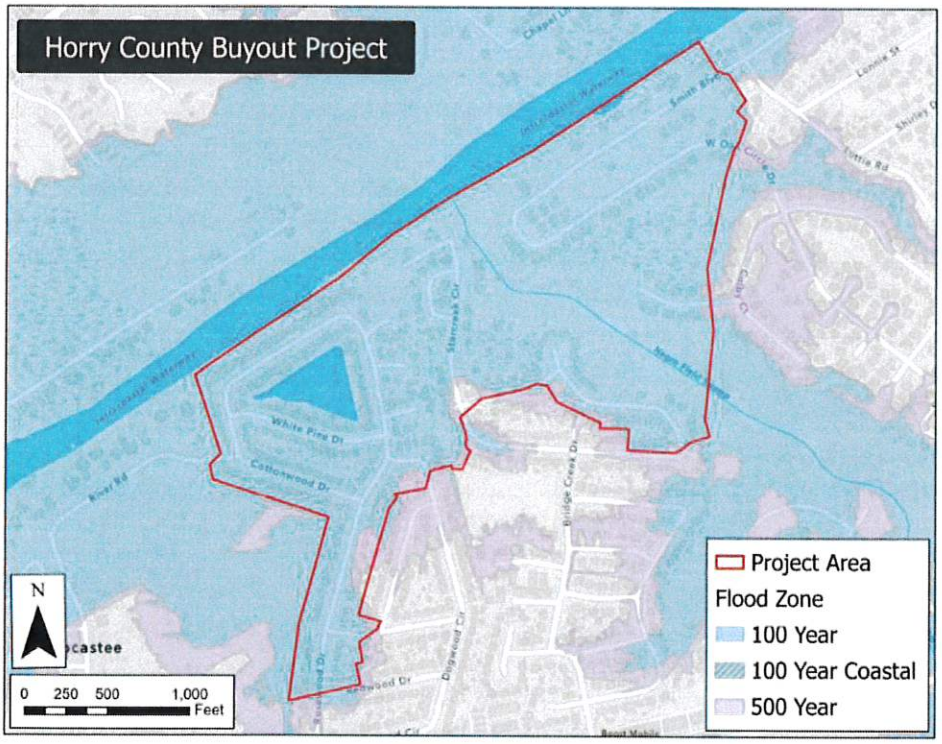
The system (all 12 shafts and tunnels) can hold 14M gallons of water.

The system will be able to move 360,000 gallons of water per minute from Charleston peninsula to the Ashley River.

Horry County Buyout

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

Horry County Buyout



CDBG- MIT Phase I Infrastructure

Applicant	Project	Award Amount
City of Charleston	**Ehrhardt Drainage**	**$9,964,190.00**
Project is under construction. The project consists of constructing an extension tunnel and drop shaft that connects a portion of the CMD drainage basin to the existing US-17/Spring-Fishburne Drainage Improvement Project		
City of Isle of Palms	**Isle of Palms**	**$3,032,289.00**
Construction contract awarded. Pre-Construction meeting will take place in December and construction will begin January 2, 2024.		
Town of Cheraw	**Town of Cheraw- Second St**	**$4,594,679.00**
Permits in process, finalizing drawings and project manual. Drainage improvements in this area include constructing 35 storm drainage structures, installing 3,246 linear feet of storm water pipe, 10,814 linear feet of curbing, and 4,773 square yards of required paving/resurfacing.		
Town of Cheraw	**Town of Cheraw - Washington & Railroad**	**$8,016,335.00**
Permits in process, finalizing drawings and project manual. Drainage improvements in this area include constructing 51 storm drainage structures; installing 5,800 linear feet of stormwater pipe; inspecting, cleaning, and rehab of 606 linear feet of stormwater pipe and 381 cubic yards for abandon and require fill material; 4,747 linear feet of curbing; and 18,695 square yards of required paving/ resurfacing.		
City of Manning	**City of Manning- Storm Drainage Improvements**	**$8,249,719.00**
Phase I- Waiting on environmental clearance. Anticipating having project ready for bid by January 2024. Phases 2 and 3 - Finalizing environmental assessment and working toward required easement acquisitions.		
City of Dillon	**City of Dillon - Lucius Road**	**$952,000.00**
Developing plans to reach 90% design, working on developing project manual for bid package. The project is stream restoration for 5,220 linear feet of the Lucius Drainage Channel and additional culverts underneath Lucius Road.		
City of Dillon	**City of Dillon - Dargan**	**$1,936,000.00**
Developing plans to reach 90% design, working on developing project manual for bid package. The project is to upsize existing storm drainage to increase capacity of the main stormwater outfall that connects to Lucius Road Outfall.		
City of Dillon	**City of Dillon - Railroad Crossing**	**$958,000.00**
Developing plans to reach 90% design, working on developing project manual for bid package. The project is to upsize existing storm drainage, increase capacity of roadside ditches along Earl Street, and replace/upsize existing culverts under CSX Railroad.		
Dillon County	**Dillon County - Riverdale**	**$1,420,000.00**
Identifying design alternatives and develop basis of design for proposed solution that achieves flood protection for a 25-year, 24-hour storm event. The work includes approximately 5,500 linear feet of open channel/ditch widening and 1,000 linear feet of storm drainage lines and culvert crossings.		
City of Florence	**McQueen St.**	**$3,896,274.60**
Finalizing easements, waiting on approval from SCDOT, and prepping to advertise bid documents for construction. This project includes replacing 48-inch clay pipe with new/upsized stormwater infrastructure to include pipes, inlets, and junction boxes; and stream restoration for Doe Branch. Project is a companion project with West Cedar Street.		

CDBG- MIT Phase I Infrastructure (continued)		
Applicant	**Project**	**Award Amount**
City of Florence	**West Cedar**	**$1,500,117.90**
Finalizing easements, waiting on approval from SCDOT, and prepping to advertise bid documents for construction. Project includes upsizing 2,300 linear feet of stormwater infrastructure, including pipes, inlets, and catch basins in the West Cedar Street area which includes a commercial corridor (South Irby Street) and sections of the Timrod Park Neighborhood. This is a companion project with McQueen Street.		
City of Florence	**N. Church/Oakland**	**$3,073,304.00**
Discussing what was found in survey and starting to digitize it. This project involves the upgrade of stormwater infrastructure (pipe, inlets, and junction boxes) in the vicinity of North Church Street and Oakland Avenue.		
Lake City	**Lake City - Highway 52 Phase I & II**	**$2,847,660.00**
Finalizing bid package for OSE approval. This project removes existing inadequate drainage infrastructure and replaces it in an area of persistent flooding to residential and commercial properties.		
Georgetown County	**Georgetown County - Mingo Pond**	**$3,025,687.70**
Bid opening took place and waiting on signed contract documents. Project includes dual jack-and-bore stormwater pipes under US-17 (Ocean Highway) to establish a new direct outfall (via culvert pipes) across US-17.		
Horry County	**Big Bull Landing Road**	**$893,750.00**
Awaiting receipt of public input from the USACE. Once received review and a plan to address any identified concerns will take place. The project is to fill and raise a 2,500 linear foot portion of Big Bull Landing Road to an approximate elevation of 15 feet (NAVD88). isting culvert under Big Bull will be upsized and a system will be installed to temporarily close the culverts during a flood event to prevent floodwaters from flowing into the Bucksport Community.		
Horry County	**Cowford Swamp**	**$1,582,500.00**
Awaiting receipt of public input from the USACE. Once received review and a plan to address any identified concerns will take place. The project is to create a new 1500 linear foot relief system between the unnamed Cowford tributary and the Waccamaw River to provide a positive outfall to the river.		
Horry County	**McCormick Road**	**$846,450.00**
Continuing to work on permitting. Construction will occur between June/July 2024 timeframe. The project is to add a 7.5-foot Arched Concrete Culvert Pipe adjacent to the McCormick Road bridge over the Socastee Creek in Myrtle Beach to allow more water to flow under the roadway during storm events.		
***City of Sumter**	**Crosswell**	**$2,104,636.00**
Finalizing environmental assessment to submit to HUD. The design, permitting and construction of a new stormwater conveyance system to alleviate flooding in the areas. The project includes 13,000 linear feet of storm drainage pipe and inlets.		
***City of Sumter**	**Lafayette**	**$1,614,589.00**
Continuing to work on CLOMR study with awaiting wetlands permit from USACE, SCDOT encroachment permit, and City stormwater approval. The project includes design, permitting, and construction of a new stormwater conveyance of approximately 3,900 linear feet, including a 60" outfall to Mile Branch.		
***City of Sumter**	**Miller to Morgan**	**$1,584,201.00**
Preparing project to go out to bid. The project includes design, permitting, and construction of a new stormwater conveyance system with approximately 2,600 linear feet of new 54-inch stormwater outfall and new inlets.		
Total Awarded Phase I:		**$62,092,382.00**

CDBG-MIT Phase II Infrastructure (Awards Pending)			
Applicant	**Project**	**Funds Requested**	**Status**
Town of Cheraw	**Cheraw Stormwater Master Plan Improvements:**	**$7,712,749.00**	App. Submitted
1.) Develop an existing drainage infrastructure database for the Town of Cheraw 2.) Analyze and assess the capacity and condition of the existing stormwater infrastructure serving the Town 3.) Based on this analysis and assessment as well as inputs from the Town's residents, develop recommendations with specific projects to be implemented to minimize and eliminate the widespread flooding 4) Provide an engineering cost estimate required to implement each project area identified and 5.) Prioritize the severity of the flooding for each specified project to ensure the most severe flooded areas are addressed first.			
Town of McClellanville	**Pinckney & Scotia Street Drainage Improvement Project**	**$362,298.03**	App. Submitted
The project proposes a substantial improvement by installing approximately 316' of RCP under Pinckney Street and the Town Park. Phase II of this project proposes to remove existing pipe and install approximately 1100 linear feet of RCP in a new alignment to facilitate better flow from the Venning intersection across the back of the historic Middle School property and under Baker Street, where the stormwater will then be directed to a natural ditch.			
Town of Pamplico	**Pamplico Stormwater Improvements**	**$5,216,000.00**	App. Submitted
Priority 1: Project Area 5: $1,022,300.00	Installation of bypass line, approximately 1,420 linear feet ranging in size from 18"-42" RCP, extending from East 3rd Ave to a new outfall south of River Road. Reduces hydrologic loading on downstream infrastructure and permits 24" RCP driveway crossings along E 3rd Ave to meet LOS.		
Priority 2: Project Area 1: $563,800.00	Upsize closed systems at intersection of W 2nd Ave and Hickory S to 24"-42" RCP and upsize channels/crossings behind properties along W 2nd Avenue.		
ty 3: Project Area 2: $305,700.00	Upsize and improve geometry of northmost closed system on Pamela Cr to 36"-42" RCP and replace southmost closed system on Pamela Cr with a 30" RCP crossing.		
Priority 4: Project Area 4: $2,534,300.00	Upsize lumber plant closed system to 60" RCP and provide new alignment that extends down E 6th Avenue approximately 1,000 linear feet and establish new outfall into Big Swamp Branch Tributary 1. Reduces hydrologic loading on infrastructure along N Walnut Street.		
Priority 5: Project Area 3: $789,900.00	Upsize insufficient crossings and install closed system of approximately 2,220 linear feet ranging in size from 15"-24" RCP from the intersection of E 1st Ave and E 2nd Ave to River Road.		
Darlington County	**Chestnut Street Drainage Improvements**	**$1,826,638.00**	App. Submitted
Project includes hydraulic permitting and analysis, conceptual design, final hydraulic report, and performance of proposed infrastructure improvements such as construction of storm water detention and retention basins, increasing pipe capacity, removing debris and sediment from storm drains, improvement of existing diversion channels. The conceptual elements of this project were done under a HUD, and the proposed would be done largely under this grant.			
Darlington County	**MLK Drive Improvements**	**$949,097.00**	App. Submitted
Project includes hydraulic permitting and analysis, conceptual design, final hydraulic report, and performance of proposed infrastructure improvements such as construction of storm water detention and retention basins, increasing pipe capacity, removing debris and sediment from storm drains, improvement of existing diversion channels. The conceptual elements of this project were done under a HUD, and the proposed would be done largely under this grant.			
Darlington County	**Moses Drive Drainage Improvements**	**$1,006,819.00**	App. Submitted
Project includes hydraulic permitting and analysis, conceptual design, final hydraulic report, and performance of proposed infrastructure improvements such as construction of stormwater detention and retention basins, increasing pipe capacity, removing debris and sediment from storm drains, improvement of existing diversion channels. The conceptual elements of this project were done under a HUD, and the proposed would be done largely under this grant.			

CDBG-MIT Phase II Infrastructure (Awards Pending) continued

Applicant	Project	Funds Requested	Status
Clarendon County	**Improvements to Mitigate Drainage Deficiencies/Flooding in County Road System**	**$450,400.00**	App. Submitted
Installation of new pipes, culverts, and inlets along Hudson Road, Deal Street, Padgett Hwy, and David Chalmers Road. To further mitigate flooding, the county will purchase a trailer mounted vacuum and sewer rudder system to maintain 200 or more catch basins, inlets, junction boxes and associated piping.			
City of Bennettsville	**Crooked Creek Channel Improvements**	**$1,557,000.00**	App. Submitted
Reduce and relieve flash flooding by removing 2-3 feet of silt and sediment that has filled the bottom of Crooked Creek, re-establishing the original bottom; and remove flow-restricting debris and overgrowth along the creek's banks (approximately 13 acres).			
City of Sumter	**Lafayette to Pike - Phase 2**	**$3,140,625.00**	App. Submitted
Reduce flooding in residential area along Mile Branch between Lafayette Dr. and US Hwy 76. The City is currently constructing a new stormwater conveyance. Proposed project is a continuation of this project and includes approximately 450 linear feet of new stormwater pipe (crossing US Highway 378 and driveway culverts) and the restoration and stabilization of approximately 6,000 linear feet of Mile Branch along Winkles Road, to the ultimate outfall of Mulberry Branch and Rocky Bluff Swamp.			
City of Loris	**Upper Pleasant Meadow Flooding Mitigation**	**$3,353,000.00**	App. Submitted
Build a detention basin on property already owned by the City near Heritage Road; improving several road/culvert crossings for the swamp/canal downstream of the detention basin; and clear approximately 3,000 linear feet of Pleasant Meadow Swamp of debris and obstructions that impede the flow path.			
City of Marion	**Catfish Canal Storm Water Improvements**	**$11,326,925.00**	App. Submitted
Restore wetlands and reduce siltation in the main channel by plugging the ditches that drained the land for farming and restoring the stream using natural channel design principles; and reduce peak flows downstream by planting native trees and vegetation to allow ponding and storage.			
City of Dillon	**Stormwater Improvements for 1st Avenue (Project E8)**	**$1,612,000.00**	App. Submitted
Replace the existing 30" pipe with approximately 1,800 linear feet of 42" pipe extending north along 1st Ave. from W. Hampton Street to W. Jefferson Street; replace the existing 18" pipe with approximately 800 linear feet of 30" pipe extending north along 1st Avenue from W. Jefferson Street to Jackson Street; replace the existing 18" pipe with approximately 400 linear feet of 24" pipe extending north along 1st Avenue from Jackson Street to Madison Street.			
City of Florence	**Cannon Street Watershed Stormwater Mitigation**	**$3,183,200.00**	App. Submitted
Heavy Cleaning of all pipes in the system; install 320 linear feet of 30" RCP, 1,080 linear feet of 36" RCP, 920 linear feet of 42" RCP and 18 drainage inlets from Alexander Street, down Sumter Street, behind lots along Gladstone, and along Cannon Street all the way to Ingram Street; install approximately 340 linear feet of 30" RCP, 1,570 linear feet of 48" RCP, and 8 drainage inlets along Clement and Simmons Streets; construction of new stormwater management facility; and increase the street trees.			
City of Georgetown	**N. Merriman-Congdon Street Stormwater System Improvements**	**$3,326,511.00**	App. Submitted
The project consists in the engineering and installation of approximately 2,000 linear feet of new drainage lines varying in size along with new catch basins, junction boxes, and yard inlets. There may be some utility (water, sewer, and gas) relocation and asphalt pavement restoration. All the work will be performed within the public right-of-way.			

CDBG-MIT Phase II Infrastructure (Awards Pending) continued

Applicant	Project	Funds Requested	Status
Georgetown County	**Graves Station Friendfield Drainage Study, Design, & Construction**	**$1,705,000.00**	App. Submitted
Primary objectives are centered on analyzing localized flooding, developing hydrologic models, designing engineering solutions for construction, and removing refuse within localized stormwater. Scope also includes implementing structures equipped with debris screens and or trash traps to capture and remove debris and refuse that accumulate in area drainage ways.			
Town of Summerton	**Town of Summerton CDBG-MIT Stormwater Infrastructure Project**	**$22,882,996.00**	App. Submitted
3rd Street: $2,469,221.00 **4th Street & Gov Richardson Rd: $8,630,863.00** **Meadowfield Apartments: $758,424.00** **Parson St: $293,899.00** **Wassau St: $1,624,319.00** **Wilson Ave - Furse Rd: $9,106,270.00**	The Town is proposing extensive stormwater upgrades for several neighborhoods. These proposed projects will include design, permitting, and construction of new stormwater infrastructure (i.e., inlets, closed piping systems, detention facilities, etc.)		
Clarendon County	**Improvements to Mitigate Drainage Deficiencies/Flooding in County Road System**	**$450,400.00**	App. Submitted
Installation of new pipes, culverts, and inlets along Hudson Road, Deal Street, Padgett Hwy, and David Chalmers Road. To further mitigate flooding, the County will purchase a trailer mounted vacuum and sewer rudder system to maintain 200 or more catch basins, inlets, junction boxes and associated piping.			
Town of Latta	**Town of Latta CBGD-MIT Stormwater Improvements**	**$1,905,900**	App. Submitted
Project 1: Downtown Stormwater Improvements	**$1,694,000.00**	On Project 1, the old brick culvert would be abandoned and filled with flowable fill to protect the structures and businesses that are over this culvert. Sinkholes that are already forming over this old culvert would be properly filled and repaired. The new pipe would be installed along a path to go around the existing buildings to allow maintenance in the future and keep the buildings out of danger.	
Project 2: Rice Street Stormwater Improvements	**$211,900.00**	On Project 2, the old corrugated metal culvert would be replaced with a properly sized culvert to help eliminate the flooding as well as help mitigate the sewer backups.	
City of Charleston	**Cooper-Jackson Drainage Improvement Project**	**$5,000,000.00**	App. Submitted
Reduce duration of flooding from 2-3 days to a few hours by increasing the size of stormwater pipes underneath the roadways in the historically disadvantaged Eastside neighborhood of Downtown Charleston.			
Berkeley County	**Stormwater Drainage Upgrades - Sangaree Parkway**	**$1,879,735.00**	App. Submitted
Two undersized/failing culverts under the road will be replaced with 48" RCP culverts. Downstream and additional crossing will be replaced with twin 48" RCP pipes. Bioswales are proposed to capture and treat road drainage and reduce the side drainage between Sangaree Pkwy and the downstream culvert. At 775 Sangaree Pkwy the existing pipe will be daylighted and restoration efforts will reestablish the natural channel conditions and add a narrow riparian buffer and bioswales.			
Town of Patrick	**Town of Patrick Flood Control**	**$1,213,815.00**	App. Submitted
Add inlets and correct inverted slopes for each drainage line; increase pipe sizes and ditches; and develop bio-retention areas along US Hwy 1 and Griggs Street to reduce flooding and allow stormwater to pond and infiltrate.			

CDBG-MIT Phase II Infrastructure (Awards Pending) continued

Applicant	Project	Funds Requested	Status
Town of Mayesville	**Flood Reduction in area at US-76 and Avenue A in Mayesville**	**$469,267.00**	App. Submitted
Replace with two 24x38" pipes the culvert under US 76, which collects runoff from 49.3 acres (DA-15b) of residential, commercial, and agricultural fields between US 76, Main Street and South Lafayette Street. The larger culvert will terminate into the existing agricultural ditch. In addition, a section of pipe that currently flows to a different outfall to the west, would be converted to flow to the east to alleviate some flooding in the eastern portion of the town.			
Town of Pawley's Island	**Pawleys Island Resiliency Project**	**$783,250.00**	App. Submitted
Create a comprehensive Capital Improvement Plan (CIP) for the town's stormwater management infrastructure. Update drainage system by adding eight new backflow preventer valves in areas where persistent tidal flooding has been documented; install drains between 1st and 3rd streets on the North side of the Island and in the Birds Nest neighborhood on the South end of the Island; implement 200 LF of living shorelines at identified creekbanks that are adjacent to the causeways; in the upland marsh, use edging techniques to stabilize banks and reduce the rate of erosion; and install a rain garden/bioretention area up to 500 SF large at Town Hall.			
Dorchester County	**First Bend Road Culvert Upgrades, Stream Restoration, and Bioswales**	**$1,115,240.00**	App. Submitted
Project scope includes upgrades to the culverts, restoration of a degraded portion of stream immediately east of First Bend Road and Hilton Street roadside dry bioswale along First Bend Road to the southeast of the stream crossing.			
Orangeburg County	**Poplar St - Bowman Infrastructure Project**	**$212,774.00**	App. Submitted
Upsize crossing at Homestead Road and the driveway crossing each to a 10' x 6' box culvert to reduce the impacts of roadway overtopping. There is also a bend in the channel upstream of the driveway crossing that has been heavily impacted by scour and should be reinforced with rip rap.			
Orangeburg County	**Warren Street Infrastructure Project**	**$932,962.00**	App. Submitted
Upgrade Warren Street System pipes; install new curb and gutter to provide a consistent slope from the dead end to the existing catch basins; and install new system to the northern side of the roadway to convey drainage to the tributary.			
Orangeburg County	**Porcher Avenue Infrastructure Project**	**$1,501,165.00**	App. Submitted
Upgrade pipes and drainage in the Porcher Avenue System. The existing northern ditch will need to be cleaned to ensure positive drainage from the system outfall. The upgrades to the existing system requires that the existing curb and gutter and the sidewalks along Porcher Avenue be replaced.			
Orangeburg County	**Ellis Street Infrastructure Project**	**$1,711,258.00**	App. Submitted
Upsize existing stormwater system on Ellis Avenue, including building additional structures to meet the spread requirements and upsizing of pipe at the intersection of Porter an Ellis Avenue as well as crosslines under Ellis Avenue.			
City of Orangeburg	**Adden Street Infrastructure Project**	**$923,422.00**	App. Submitted
Upsize and extend existing stormwater system along Adden Street towards both Windsor Street and Riverside Drive. Replace existing valley gutters and repair existing sidewalk along the southern side of Adden Street. Regrade existing ditch to provide positive drainage from the drainage system outfall to the concrete ditch.			
City of Orangeburg	**Glover Street Infrastructure Project**	**$1,083,474.00**	App. Submitted
Install 2 drop inlet grates in the low point of the properties from South Street SE and Middleton Street. Replace existing curb, gutter, and sidewalks along Glover Street.			
City of Orangeburg	**Bayne St Infrastructure Project**	**$2,462,462.00**	App. Submitted
Upsize existing stormwater system by replacing existing valley gutters along Bayne Street, Whaley Street and Alether Street, and upgrade pipes and existing valley gutters located in the Fair Grounds.			
Total Requested		**$90,805,982.03**	**$40M available to be awarded**

CDBG-MIT Plans & Studies				
Applicant	**Project**	**Funds Requested**	**Award Amount**	**Status**
Calhoun County	**Hydrologic and Hydraulic Study**	**$500,000.01**	**$350,000.00**	60% Complete / Hydrologic and Hydraulic Study to address the flooding throughout the County.
The Citadel (Charleston)	**Multi-Hazard MIT Plan Update**	**$41,380.00**	**$41,380.00**	97% Complete / Project work is complete.
Town of James Island	**Creek Basin Drainage Master Plan**	**$145,500.00**	**$181,680.00**	2% Complete / Hydrologic and Hydraulic Study for the creek basin to address stormwater issues.
Chesterfield County	**Hydrologic and Hydraulic Study**	**$500,000.00**	**$500,000.00**	25% Complete / Hydrologic and Hydraulic study to identify causes of flooding.
Town of Summerton	**Hydrologic and Hydraulic Study**	**$150,000.00**	**$192,380.00**	100% Complete / Hydrology study needed to identify causes of flooding and potential flood MIT projects.
Darlington County	**Watershed Study**	**$500,000.00**	**$468,000.00**	100% Complete / In Closeout Phase. County-wide watershed study due to the impact of flooding from storm water, local streams and creeks, and ground inundations.
Town of Society Hill	**Stormwater Master Plan**	**$138,800.00**	**$138,800.00**	15% Complete / Project Administration, Data Gathering and Public Meetings. Stormwater master plan to identify and quantify existing flood conditions throughout.
Town of Lamar	**Stormwater Master Plan**	**$145,200.00**	**$145,200.00**	15% Complete / Public Meeting, Site Assessment and field Survey. Stormwater master plan for the town due to severe flooding throughout for decades.
Town of Pamplico	**Stormwater Study**	**$500,000.00**	**$200,000.00**	100% Complete / In Closeout Phase. Comprehensive stormwater study to provide recommendations and estimates for improvements to mitigate flood hazards.
City of Florence	**Stormwater Master Plan**	**$500,000.00**	**$250,000.00**	50% Complete / Area of concern have been identified and prioritized by City of Florence and AECOME Firm.

CDBG-MIT Plans & Studies (Continued)				
Applicant	**Project**	**Funds Requested**	**Award Amount**	**Status**
Georgetown and Williamsburg Counties	**Hydrologic and Hydraulic Study**	**$2,000,000.00**	**$884,992.48**	30% Complete / Hydrologic and Hydraulic study due to repetitive flooding.
City of Conway	**Stormwater Master Plan**	**$305,000.00**	**$305,000.00**	100% Completed / in closeout phase. Hazard mapping & flood reduction. This will include inventory and survey of existing system, delineating watersheds, hydraulic modeling and final report with stormwater master plan.
Horry County; Buck Creek and Simpson Creek Watershed	**Hydrologic and Hydraulic Study**	**$1,350,000.00**	**$750,000.00**	40% Complete / Identify current and potential future risks by conducting a Hydrologic and Hydraulic Study.
Marion County	**Stormwater Master Plan**	**$500,000.00**	**$472,326.28**	100% Completed / in closeout phase. Drainage study due to flooding following storm events that damages public and private property.
y of Orangeburg	**Stormwater Drainage Study**	**$300,000.00**	**$285,251.00**	85% Complete / Completion of Final Report and submittal of final project recommendations. Stormwater drainage study throughout the city.
Orangeburg County	**Hydrologic and Hydraulic Study**	**$450,000.00**	**$439,150.00**	85% Complete / Hydrologic and Hydraulic study due to frequent flooding.
SCEMD (Statewide)	**Hazard Identification & Risk Assessment**	**$109,030.00**	**$109,030.00**	100% Completed / in closeout phase. Hazard Identification and Risk Assessment.
Town of Mayesville	**Stormwater Study**	**$150,000.00**	**$96,490.00**	100% Completed / in closeout phase. Hydrology study to understand the causes of flooding in the community.
Town of Pinewood	**Hydrologic and Hydraulic Study**	**$150,000.00**	**$150,000.00**	15% Complete / Hydrologic and Hydraulic study to understand movement and distribution of stormwater.
Williamsburg County	**Comprehensive Plan**	**$144,000.00**	**$144,000.00**	Review of draft Request for Qualifications (RFQ)
Plans & Studies Total Requested Total Awarded:		**$8,426,530.01**	**$5,959,679.76**	Not including withdrawn

CDBG-MIT Buyout				
Applicant	**Project**	**Funds Requested**	**Award Amount**	**Status**
Town of Cheraw	**Town of Cheraw Huckleberry Creek Neighborhood Buyout**	**$1,248,300.00**	**$1,747,680.00**	This project is on a superfund site. There are 9 of 9 homes that have closed. Demolition preparation underway.
Darlington County	**Darlington County Buyout Project**	**$8,643,667.00**	**$8,643,667.00**	Intake phase complete: 40 accepted; 21 active. Environmental phase underway. The project area is in Hartsville and areas of Darlington closer to the City of Darlington. Requests were made to include properties in Society Hill and Lamar. However, these areas were denied as both Society Hill and Lamar have applied for a study through SCOR's mitigation program. The study may identify additional properties and interested homeowners or alternative mitigation solutions may be more feasible.
Dillon County	**Dillon County Buyout Project**	**$2,210,000.00**	**$2,210,000.00**	Undergoing environmental assessment. 5 homes in project and1 empty lot; continuing to work with homeowners on intake and eligibility review.
Horry County	**Horry County Buyout Project**	**$16,806,853.28**	**$12,735,685.00**	61 homes awarded in this project. At this time, there are 56 active homes in the project. 39 have closed, 5 have accepted offer to purchase, 0 are deciding if they will accept offer to purchase, and 5 declined their offers. Demolition bid packet is being prepared by environmental firm, and 32 homes will be demolished in the first round of demolition.
Town of Nichols	**Town of Nichols Buyout Project**	**$3,697,417.00**	**$3,697,417.00**	Undergoing environmental assessment. 24 homes requested to be in project, 23 approved for project, and 16 active. One property was not accepted as it was an isolated property that lies outside the Town limits. As it does not help create a contiguous buyout area, it is not being recommended to be include in the project.
City of Bennettsville	**City of Bennettsville - Richardson Park and Shady Rest Buyout**	**$4,933,225.00**	**$4,933,225.00**	Intake phase: 46 applicants (of 51) approved; 44 active homes with the environmental phase underway. Agency consultation letters have been mailed out for the environmental assessment. We are still within the 30-day response period. Once environmental assessment is complete, appraisals will be completed and offers will be made.
Buyout Total Requested and Total Awarded:		**$37,539,462.28**	**$33,967,674.00**	

CDBG-MIT Funds Match				
Applicant	**Project**	**Funds Requested**	**Award Amount**	**Status**
Town of Mount Pleasant	**Hobcaw Water Basin Project (Phase I)**	**$1,983,065.44**	**$180,278.66**	95% Complete / Update to Hydrologic and Hydraulic modeling, engineering, and design for proposed improvements to stormwater drainage capacity in the Hobcaw neighborhood.
Town of Cheraw	**Stormwater Master Plan**	**$65,862.50**	**$65,862.50**	Pending FEMA reimbursement for closeout. Developed a town-wide stormwater master plan to address flooding issues.
City of Dillon	**Stormwater Management Plan**	**$60,000.00**	**$60,000.00**	Pending FEMA reimbursement for closeout. City worked with an engineering consultant to develop a Stormwater Management Plan for jurisdictional areas of the city to be annexed to the existing Hazard Mitigation Plan for the county.
Dillon County	**Stormwater Study**	**$25,000.00**	**$25,000.00**	Pending FEMA reimbursement for closeout. Flood Management Annex to the Dillon County Hazard Mitigation Plan.
Town of Andrews	**Town of Andrews Local Flood Reduction (Phase II)**	**$1,136,865.00**	**$1,136,865.00**	Paused for Environmental Assessment review by SCOR. Demolition of existing stormwater infrastructure and construction of improved storm drainage system for the town.
Marion County	**Structure Elevation Project**	**$542,172.50**	**$542,172.50**	Paused for Environmental Assessment review by SCOR. Elevation of 15 structures to feet above base food elevation (BFE).
City of Bennettsville	**City of Bennettsville - Stormwater Study**	**$56,250.00**	**$56,250.00**	10% Complete / study of Crooked Creek Stormwater Basin and creating a Stormwater Master Plan to address flooding throughout the city.
SCEMD (Statewide)	**State Hazard Mitigation Plan Update**	**$30,750.00**	**$30,750.00**	90% Complete / update to the State Hazard Mitigation Plan to submit for FEMA's approval.
Funds Match Total Requested and Total Awarded (D):		**$4,343,183.44**	**$2,540,396.66**	

Major Program Area: ARPA

$100 million in American Rescue Plan Act funding

ARPA Stormwater Infrastructure Program (ASIP)

- **Available statewide – application period held Fall 2022**
- **$55M Allocated**

  Over $200M in applications
- **17 projects awarded**

USS Yorktown Remediation

- **Pending JBRC approval**
- **$40M available**
- **Estimated cost: $26,710,016**

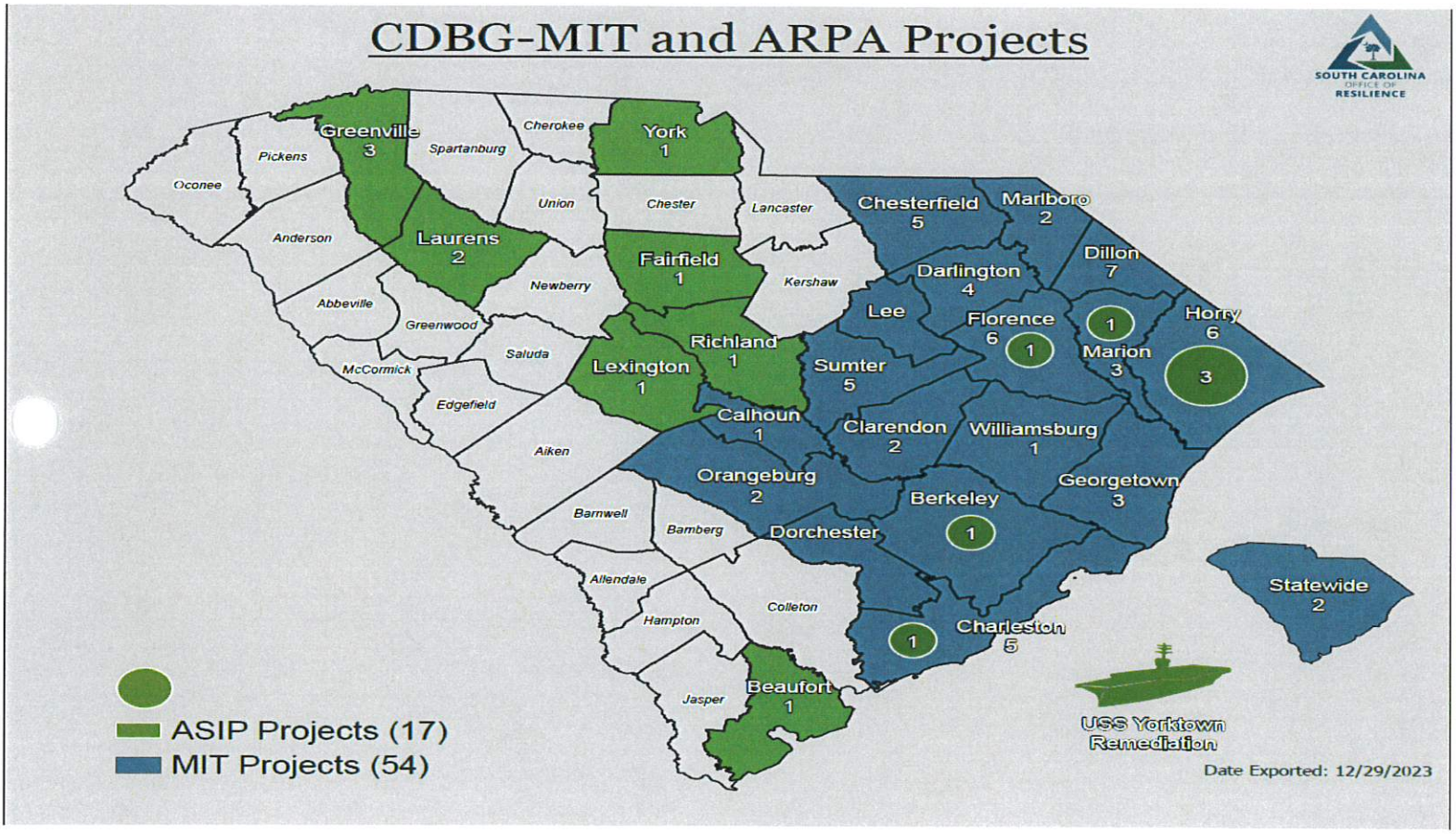
Phase I	Phase II
• Estimated $10,710,016 • Environmental Study • Immediate hull repair and tank cleanup, necessary for environment remediation • Immediate repair contingency	• Estimated $16M • Cleanup of hazardous materials (fuel, PCBs, etc.) • Cleanup engineering oversight • Additional hull repair related to environmental remediation • Hull repair contingency

Failure to act could result in over 1,000,000 gallons of hazardous materials, including fuel oil, contaminated water, lead-based paint, asbestos and PCBs entering the local ecological system. This would impact the local habitat of bottlenose dolphins, sturgeon, shellfish and the breeding grounds of several species of fish. It would also impact the shoreline, beaches, marshes and tidal flats of the local Mount Pleasant and City of Charleston areas.

SCOR's ARPA Funded Stormwater Infrastructure Program (ASIP)

Project Name	County	Agency	Awarded Amount	Estimated Completion Date	Information details	State or Sub Run
Barberry Woods Restoration Project	Charleston	City of Charleston	$ 4,600,000.00	Spring 2026	Improvements to a 25-acre wetland floodplain system and stream, build floodplain on either side of the creek and design walking trails, birding locations, and educational information.	State
Charles Craven St- Port Republic Carteret St	Beaufort	City of Beaufort	$ 5,650,000.00	Dec-25	Design and construct upgrades to the major stormwater trunklines that serve both the Charles/Craven and Port Republic/Carteret project areas., Tidal check valves to provide capacity for flood events through the 25-year design event, Minor lateral and local improvements along roadsides to improve pedestrian mobility and safety, as well as landscape improvements to support improved water quality and visual aesthetics.	Subrec
Nature-Based Stormwater Park	Marion	Town of Nichols	$ 2,500,000.00	March 2024 (No project plans at this time)	Creation of a nature-based stormwater infrastructure park to include infiltration trenches in the parking lot and a rain garden.	State
McKeithan Watershed Stormwater Improv	Horry	City of Conway	$ 1,808,800.00	Mar-25	Provide 20 acres of flood water storage for the area including wetland shelves.	State
Lige-Green Street Flooding P1&2	York	City of Rock Hill	$ 9,450,000.00	April 2025 (Ph 1) March 2026 (Ph 2)	Replace culverts and conduct stream restoration projects including wetlands, bioswales, and infiltration trenches.	State
[illegible]k Drive	Greenville	City of Mauldin	$ 1,166,153.50	Sep-25	Stream restoration and daylighting within Springfield Park, Stream storage improvements at 126 and 128 Oak Park Drive, 24" HDPE, box culverts, curb inlets.	State
Wattsville Community Stormwater Improv	Laurens	Laurens County	$ 3,753,630.00	Apr-25	Design and construction of a new drainage system for the Wattsville Community including a combination of RCP, storm structures, open channels, and bioretention cells.	State
Pennsylvania St Stormwater Project	Florence	City of Florence	$ 2,616,800.00	Dec-25	Heavy cleaning, point repairs, upsizing of the choke points, and reconstruction of the detention pond to increase efficiency and water-quality.	State
North Chastain Stream Restoration	Greenville	Greenville County	$ 591,498.69	Feb-24	Priority 2 stream restoration along 600 feet of stream, a single-sided Priority 3 stream restoration along one side of the Laurel Creek main stream, and the restoration of the riparian area around the stream on County flood buyout properties, totaling approximately 5.5 acres.	State
N. Laurens County Culverts	Laurens	Laurens County	$ 1,419,540.00	Jun-25	Upgrades to the culverts, 450 LF of stream restoration and riparian buffer plantings, and ½ acre of bioretention via roadside bioswales	State
Little Stream Creek Restoration	Greenville	Greenville County	$ 919,128.91	January 2025	Repair a degrading stream and turned the site of the previously completed buyouts into a storage and treatment area for runoff before entering the Reedy River. The scope of work includes a 1,400-foor Priority 2 and 3, 1-sided (1,000 ft) and 2-sided (400 ft) restoration and 6.5 acres of reforestation of previous flood buyout properties.	State
Marion Street Bioretention	Richland	City of Columbia	$ 1,280,619.00	Nov-24	Installation of 6 bioretention cells, approximately 1400 LF of RCP, and curb bump-outs.	State
Upper Myrtle and Magnolia Basin Drainage Project Phase 2	Horry	Town of Surfside Beach	$ 750,000.00	Dec-23	Install drainage pipe and catch basins on 2nd Avenue North, 11th Avenue North	State

CDBG-MIT and ARPA Projects



Major Program Area: Resilience

What is Resilience?

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

Major Program Area: Resilience

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.

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 Regulatory Processes

Maintain and Strengthen Building Codes

Incorporate Resilience into Infrastructure Design

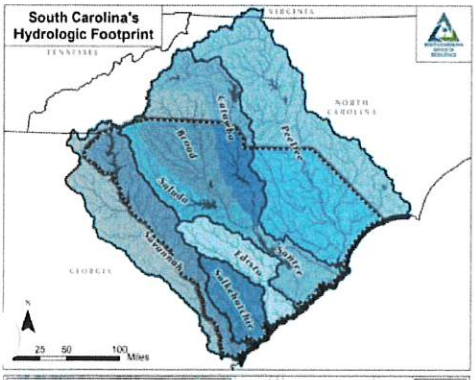
Maintain Natural Flood Protection Through Conservation

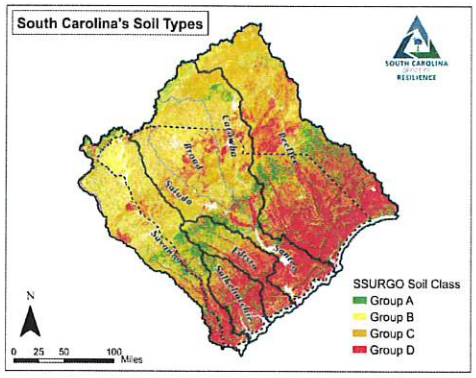
Incorporate Resilience into Housing Recovery

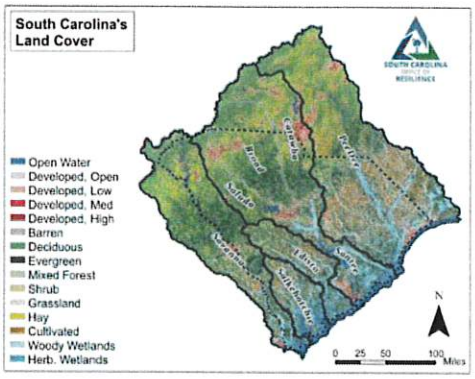
Establish a Voluntary Pre-Disaster Buyout Program

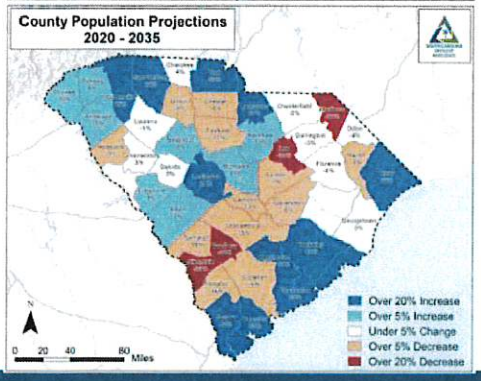
Identify and Maximize All Available Funding Sources For Resilience

Identification of Planning Conditions

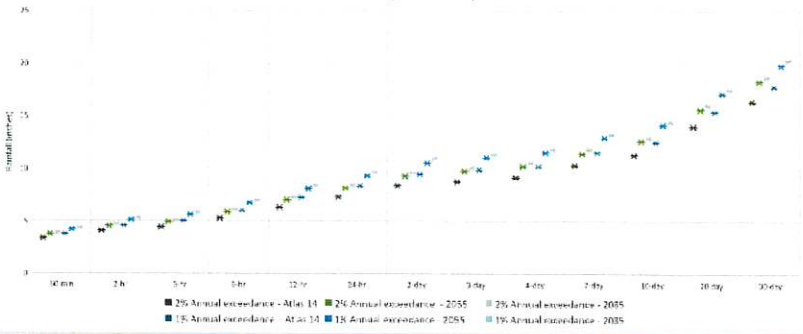




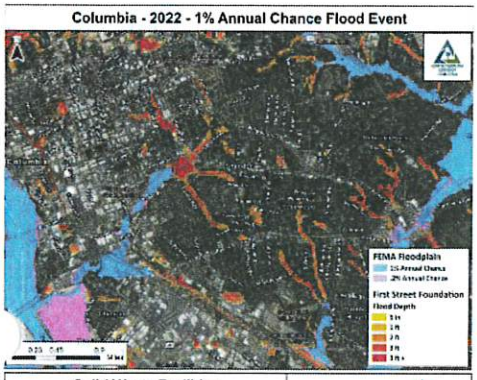


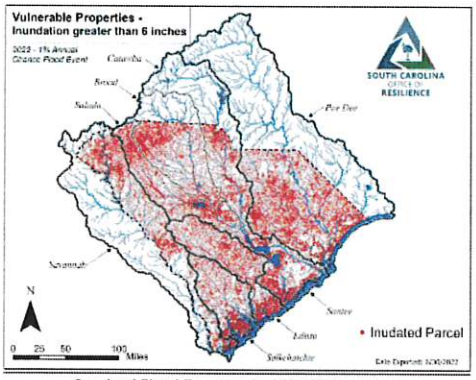


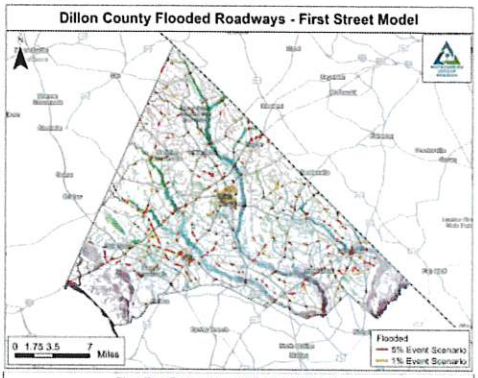
Rainfall Runoff Curve, Columbia, SC - RPC 4.5

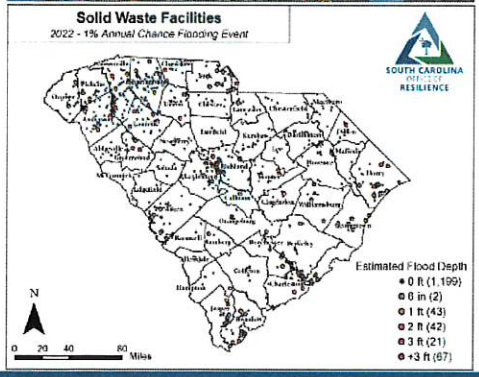


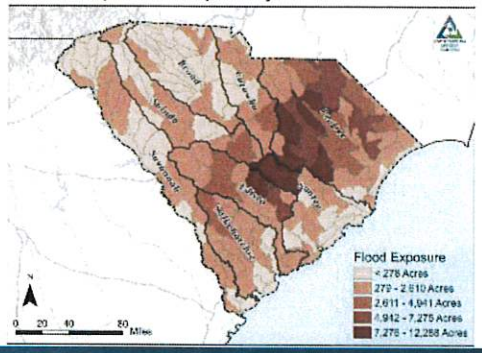
Risk and Vulnerability Assessment

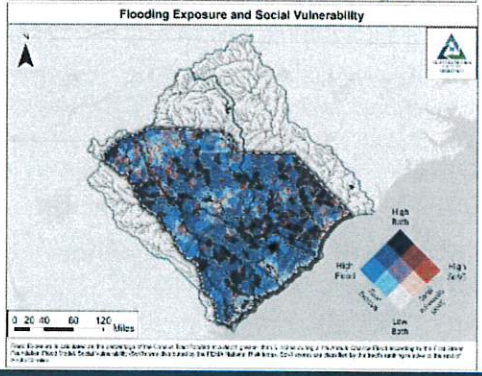












Recommendation Progress and Next Steps

Recommendation	2023 Progress	2024 SCOR Actions
Establish a data coordination office to coordinate, catalog, document, and make accessible the wide range of data produced by and for the State.	$250k for study in state budget. Worked with department of Administration to scope study.	Finalize Study Proposal wit Department of Admin and SAS. Launch Study in 1st Quarter
Increase the density of weather stations to provide higher quality data for developing weather models, hydrologic models, drought assessments, flood forecasting and other decision-making processes.	Submitted for federal funding (not funded)	Continue to seek federal funding
Increase the density of permanent river gage locations to provide higher quality data for the development of better hydrologic models and to inform and improve water planning, drought assessments, flood forecasting, and flood frequency estimates.	Submitted for federal funding (not funded)	Continue to seek federal funding. Meeting with DOT and Clemson to investigate the use low low cost sensors to supplement USGS Gage stations
Increase the density of tidal gauges to enable better monitoring and modeling of conditions.	Submitted for federal funding (not funded)	Continue to seek federal funding. Opportunity to use low cost sensors (Clemson , CCU to supplement)
Develop a statewide network to monitor surficial groundwater to better understand the impacts of sea level rise and changes in rainfall infiltration on shallow systems including septic fields.	No movement	August (post DHEC, DNR merge): reach out to new Dept of Environmental Services to discuss status and needs
Install extensometers along the coast to monitor vertical land movement to develop a better understanding of relative versus absolute sea level rise and improved understanding of the causes of subsidence.	Submitted for federal funding (not funded)	Continue to seek federal funding
Update NOAA Atlas 14 IDF curves for rainfall and incorporate into infrastructure design. Adopt NOAA Atlas 15 IDF curves when released and design based on future conditions	SCOR, SCDOT, SCDNR Funded South Carolina's Addition to Mid Atlantic Update. Expected completion 2025	January: reach out to NOAA for update
Establish a group to evaluate climate information will inform decision makers on how future climate trends will likely impact the State.	SCDNR Climate Office Seeking to have funding for coordinator position added to FY25 SCDNR Budget Request	May: Reach out to SCDNR to follow up on budget request. Coordinate with CPRG Planning to maximize resources

Recommendation Progress and Next Steps

Recommendation	2023 Progress	2024 SCOR Actions
Fund the collection and processing of updated LiDAR data to allow decision makers to use the most up-to-date elevation to use in computational models and in decision making.	No Movement	January: reach out to SCDNR to see if funded or still need funding
Create a roadway elevations inventory that may be used for transportation network vulnerability analyses.	Roadway elevations inventory Completed (Clemson , SCDOT, SCEMD, SCOR)	Compare elevations to First Street data (pending completed contract)
Partner with NOAA to develop a high resolution land cover dataset for the hydrological footprint of SC. This allows for a more detailed catalog of the type and area coverage of various land cover types, allowing for better forecasting, planning, and modeling.	Secured Funding from Reserve Fund and EPA CPRG Grant	Expected Completion 2nd Quarter 2024
Complete a statewide sediment study to understanding of sediment budgets, including the impact of reservoirs and identify potential engineering and policy solutions to remobilize sediment in the system.	Pursuing support for Coastal Carolina study as pilot to look at one area of the State.	Use CCU study as a pilot for how we can understand quality. January: pull back together modeling group to discuss statewide study
Complete the SCDNR Flood Inundation Modeling and Mapping Project to provide emergency responders and others with the information needed for evacuations, search and rescue, road closures, and other emergency response activities.		July: follow-up to se if funded in state budget
Establish a Modeling Technical Advisory Group to inventory existing models and technical capabilities, identify data gaps, make recommendations on modeling needs, and evaluate proposals for modeling improvements.	Series of Coordination Meeting Held	Continue coordination. Seek funding for coordination position.
Establish a committee to examine the need for a contract with an imagery provider so that when a disaster occurs, images can be used to better assess the damage extent post-event. This can aid the ability of SCEMD, FEMA, and SCOR to identify where to focus response and recovery efforts.	No Movement	First Quarter: pull together group to determine if this is still a need
Develop higher resolution population projections at the subcounty scale to inform local, county, municipality, and state planning processes.	No Movement	2nd Quarter reach out to RFA/Academic Institutions. Identify Funding Source

Recommendation Progress and Next Steps

Recommendation	2023 Progress	2024 SCOR Actions
Develop a statewide property level data standard to allow for cross jurisdictional data analysis and modeling.	Applied for BRIC grant that contains components of this, possibly build framework	BRIC grant decision TBA
Inventory and analyze zoning and land use policy statewide to understand how local jurisdictions implement zoning and the ways in which land use regulations shape a community's development and resilience.	Primary focus of BRIC grant submitted to EMD in December	BRIC grant decision TBA
Create and fund a cultural resources coordinator position to develop a cultural resources inventory. Such an inventory will allow for comprehensive planning that mitigates the loss of cultural resources across the State and efficient recovery.	No Movement	2nd Quarter Reach out to SCDNR to reevaluate need identify funding
Host a series of regional workshops to educate the public about the Statewide Resilience Plan.	Completed – 12 meetings across the state and 1 virtual meeting	
Develop a SCOR Resilience Atlas to provide a centralized location for resilience related GIS data to aid in decision-making statewide.	Framework would be developed through BRIC grant application submitted to EMD in December	BRIC award decision TBA /Partnership with Sustain SC WRR
Develop and maintain a resilience resource list for communities and other audiences to access information and resources that aid in decision making.	List currently on website	Website access to team to review, add and organize resources. Tie to TNC NOAA project and CPRG. Watershed Coordinators to support
Maintain the S.C. Sea Grant Resilience Planning Archive. This archive catalogs the resilience planning efforts undertaken across the state to inform planning and project implementation and allow for cross jurisdictional coordination.	Coordination with Sea Grant – graduate student brought on to work on	Hope continue to coordinate as member of Board for Sea Grant Community of Practice. Watershed coordinators to support
Develop a resilience training and certification program to build community capacity and aid in local implementation of statewide resilience principles	No Movement	2nd Quarter coordinate with Clemson Extension , LLR to scope cost for next year's budget
Develop a cultural resources training to help cultural institutions and caretakers increase the resilience of their resources and collections	No Movement	Depends on coordinator position as recommended in prior recommendation

Recommendation Progress and Next Steps

Recommendation	2023 Progress	2024 SCOR Actions
Strengthen hazard disclosure in real estate transactions to increase the knowledge of risk and conditions by purchasers related to flooding and other natural hazards.	Property Disclosure Form Updated in June 2023.	Any further progress would require statute change
Reestablish a flood hazard signage program to increase public awareness of risk.	No Movement	Explore design for current and future floodplain. Coordinate w/DOT for right of way permission. Identify Funding and Pilot Location
SCOR will 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, and state partnerships.	Secured NFWF funding to begin this process in the Salkehatchie River Basin, use of Reserve Fund funding to hire additional watershed coordinators to begin coordination work statewide.	Complete Year 1 of NFWF grant, which will include community engagement and working with 10 communities to develop community reports and identifying projects. Hire and start up watershed coordination in other basins
Establish a Resilience Grant/Loan Program using the Disaster Relief and Resilience Reserve Fund to implement mitigation projects, programs and policies recommended by the Statewide Resilience Plan and watershed-based resilience planning. Recurring funds should be allocated to the Resilience Grant/Loan Program to ensure that projects, programs, and policies identified through watershed-based resilience planning are implemented in a timely manner.	Under development with Reserve Fund	Continue development, coordinated watershed planning process
Each state agency should conduct a resilience review based on the climate and flood risk and other hazard data presented in the vulnerability assessment and make recommendations on policy and regulatory changes that are needed to reduce vulnerabilities.	No Movement	Create a survey for agencies to see what they have done and what resources or other needs they have to begin looking at their resilience. Draft of survey by March advisory committee meeting
Utilizing best available data, counties and municipalities should adopt policies that restrict new development in flood prone areas whether or not they designated by FEMA as a special flood hazard area. Any new structures in flood prone areas should be designed to withstand a 1% annual flood event over the design life of the structure, considering future conditions	Coordinated with First Streets to allow communities to have access to First Street data to reference in their decisions	Through watershed coordination, we will help communities utilize and track how communities are using this data or other data in their policies

Recommendation Progress and Next Steps

Develop Best Management Practices for communities to incorporate resilience into their comprehensive plans to guide decision making regarding growth and development, public facility investments, regulation of land uses, siting of green space, and economic development initiatives.	Coordinated on the Sea Grant Resilience Planning Archive to gather these plans and analyze how currently incorporated. Released 1 pager outlining legislative requirements to comprehensive plans.	Through watershed coordination, will begin to identify and gather best practices. Full community guidance document to be released in 2025
SCOR will develop best management practices and provide principles that enable communities to develop local strategies to implement resilient policies, aligning with their comprehensive plans, through zoning and land use codes, subdivision regulations, overlay zones, floodplain management, and stormwater ordinances.	Applied for BRIC funding that would being to develop best practices based on investigating current conditions.	Through watershed coordination, will begin to identify and gather best practices. Full community guidance document to be released in 2025 (will include both this recommendation and the previous)
Water systems should conduct a resilience review of their water systems based on the climate and flood risk and other hazard data presented in vulnerability assessment.	No Movement	Develop one pager for water systems of how climate chapter should be considered (push out through DNR and Rural Water) Present at APWA mtg, Water Resources Conference, SCRWA event
New legislation should be established to regulate the alteration of isolated wetland systems to reduce the potential loss of flood mitigation and ecosystem services	Consulted with Southern Environmental Law Center on new bill	CCAP will help identify – future wetlands study
South Carolina should maintain the current update schedule for both the Residential and Commercial codes to keep up with reasonable standards of construction for public health, safety, and welfare.		Monitoring bills in legislature that address update schedule (3609) Will provide information to legislature as needed
The State should not make modifications to the International Residential and Commercial Codes that reduce resilience. Examples are the current reductions to the hurricane and seismic requirements in some areas.		Monitoring bills. Will provide information to legislature as needed. Coordinate with LLR when update

Recommendation Progress and Next Steps

Recommendation	2023 Progress	2024 SCOR Actions
Develop professional education programs about building codes for professions involved in construction such as contractors, architects, and engineers to ensure innovations and resilience best management practices are utilized.	No movement	Discuss with LLR at 1st Quarter Advisory Meeting. Explore partnerships with DEW and Technical College System
Assess how an update to the 2009 Energy Code could impact the resilience of the power grid in the State. The assessment should consider both the costs of construction and operation of buildings as well as the impacts on public health, safety, and welfare.	No Movement	Will look at during CPRG process. Coordinate with Energy office on data, studies
Utilize the most conservative wind zone map when there is a question as to a property's location relative to the county level wind maps approved by the SC Building Codes Council	No movement	Review with Advisory Committee to determine implementation
Coordination is needed between Internal Organization for Standardization (ISO) and building code officials to ensure officials understand how they will be scored by the Building Code Effectiveness Grading Schedule and how to accurately complete their reports.	No Movement	Review with Advisory Committee to determine implementation
Consider future conditions in the design of critical infrastructure. Critical infrastructure can be defined as those assets, systems, and facilities that communities rely upon for everyday health, safety and welfare and lifeline functions		Review with Advisory Committee to determine implementation
Review state and local stormwater infrastructure design standards to see if they should be modified to handle lower frequency storm events (i.e. a "50-year" storm vs "10-year" storm).	No Movement	Talk to DHEC to determine resources needed to look at Stormwater Regulations
Identify and remove barriers to permitting nature-based solutions on the state and local level.	No Movement	Review with Advisory Committee, Conservation Workgroup and DHEC.

Recommendation Progress and Next Steps

Funding sources for infrastructure maintenance should be identified prior to construction to ensure the infrastructure will function properly over the intended life of the project.		Review with Advisory Committee to determine implementation
Consider future conditions identified in the climate and vulnerability sections of this report when planning and investing in port infrastructure.	SC Ports has been engaged and working this.	1st Quarter Meet with Ports for needs assessment and coordination
Develop a Priority Flood Mitigation Conservation Map. SCOR has used a combination of public and private datasets to better understand the landscape's role in flood mitigation across South Carolina. This data model identifies areas where floodwaters are expected, where wetlands can help absorb excess water, and those areas where water is most likely to infiltrate the ground. Protecting these areas may help attenuate the impact that future development has on flooding.	Map developed and in use	Update conservation maps, running current model with newest version of First Street data. 2025: modify/update conservation model used
Develop a grant program for state and local governments and non-profits to complete land acquisitions that maximize flood reduction benefits, implementing the Priority Flood Mitigation Conservation Map. This program should partner with other conservation agencies such as SC Conservation Bank, South Carolina Department of Natural Resources (SCDNR), South Carolina Forestry Commission (SCFC), South Carolina Parks, Recreation, and Tourism (SCPRT), SC Department of Agriculture (SCDA), and South Carolina Department of Health and Environmental Control (DHEC).	$14.9 M moved from the Reserved Fund to the SC Conservation Bank for land acquisitions on Waites Island	Program guidelines in development
Any future disaster recovery and mitigation action plans, policies and procedures developed for the State should refer to the principles of the Strategic Statewide Resilience and Risk Reduction Plan	Adopted by Internal Memo from Chief Duncan	

Recommendation Progress and Next Steps

Recommendation	2023 Progress	2024 SCOR Actions
Manufactured housing units needing full replacement should be replaced with stick built or modular homes where possible.	Adopted by Internal Memo from Chief Duncan	
Impact windows should be used when homes are repaired or replaced following a disaster, regardless of the wind zone the home is located in.	Adopted by Internal Memo from Chief Duncan	
In areas that are prone to flooding, require replacement homes to have a first-floor elevation built to Base Flood Elevation (BFE) +3 feet. If this requirement would cause the home's first floor elevation to be elevated above 10ft above land surface, the home would become ineligible for replacement and would instead be offered a voluntary buyout.	Adopted by Internal Memo from Chief Duncan	
Housing funds allocated to South Carolina should not be used to repair or construct homes if they are: A FEMA Repetitive Loss Property, Properties in the FEMA Regulatory Floodway, Properties Seaward of DHEC Setback Line	Adopted by Internal Memo from Chief Duncan	
Develop a Resilience Funding Hub, a web based portal to collect, coordination and disseminate information related to funding to enable coordination, collaboration, and cooperation among state agencies, local and regional governments, and non-profits to obtain funding		Develop plan of action, way forward for this recommendation by July 1 (data architecture, database content)
Develop best management practices on how communities should implement resilience into a range of projects and programs, as required by many federal and non federal funding sources		Will be furthered by the watershed coordination process, work with communities to develop language for their efforts/applications

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. SeaGrant, Beach Advocates)
- **NOAA- Coastal Resilience-**$6.2M (The Nature Conservancy)
- **Robert Wood Johnson Foundation-** $250,000 (DOI)
- **EPA Office of Community Revitalization-** $100,000
- **SC Commission on National & Community Service (AmeriCorps Planning Grant)** - $83,000

Grant Applications Submitted/In Development

- **FHWA PROTECT Grant** $60M
- **EPA's Solar For All** $200M
- **HUD PRO Housing** $6.5M
- **DOE IRA Home Energy Rebate** $138M (SC Energy Office)

Major Program Area: Resilience

Palmetto Air Quality Collaborative (PAQC)

Major Program Area: Reserve Fund

Pre-Disaster

- **Hazard mitigation infrastructure**
- **Voluntary buyouts to remove residents from hazard areas**
- **Restoration of natural function of the floodplain**
- **Supporting mitigation or resilience projects identified in the Resilience Plan**

Post Disaster

- **Currently $30M set aside; goal is to have $100M**
- **Provide financial assistance to state and local governmental entities to provide the nonfederal share for federal disaster assistance.**
- **Infrastructure repairs for homeowners and communities that are not eligible for CDBG-DR and other federal funding assistance.**
- **Provide loans and grants to local governments in disaster areas that need immediate cash flow assistance**
- **Provide grants to governmental entities and non-profits to repair or replace infrastructure or equipment damaged as a result of a natural disaster**
- **Provide financial assistance for verifiable losses of agricultural commodities due to a natural disaster**

FY23 Accomplishments

- Published the Strategic Statewide Resilience and Risk Reduction Plan
- Closed the 2015 Hurricane Joaquin HUD-funded CDBG-DR grant within the 6-year period of performance; 1,829 homes repaired, rebuilt, or replaced
- Completed the final home in the 2016 Hurricane Matthew HUD-funded CDBG-DR program; 1,138 homes repaired, rebuilt, or replaced
- Repaired, replaced, or bought out 230 homes in the 2018 Hurricane Florence HUD-funded CDBG-DR grant program
- Secured nearly $7 million in additional grants for resilience planning from the National Fish and Wildlife Foundation (NFWF) and National Oceanic and Atmospheric Administration (NOAA)
- 200+ homeowners enrolled in the voluntary buyout programs; 42 homes purchased with $9M of CDBG-DR/MIT
- Identified and catalogued contaminants in the USS Yorktown Environmental Study; immediate repairs identified and completed in Fall 2023; primary remediation to begin in Spring 2024
- Completed 7 Mitigation Plans and Studies projects and 2 Federal Match projects
- Kicked off the statewide American Rescue Plan (ARPA) Stormwater Infrastructure Program with 17 projects
- Development and kickoff of the Disaster Recovery Reserve Corps program; hired and trained a total of 43 Reservists hired with 28 active and fully trained by end of the FY

Budget Request

2. Non-recurring increase in the Disaster Relief and Resilience Reserve Fund of $43,000,000.

- *$10M to increase the disaster relief funds*
- *$10M for statewide resilience plan projects*
- *$23M for flood mitigation projects, stormwater projects, and buyouts*

Budget Request

3. Federal funds line-item authority increase from $100M to $150M due to federal grant dollar volume and programs SCOR is handling

Proviso Request

- **92D.1 Catastrophic Weather Event-** Homes assisted by disaster recovery funds keep same property tax basis as before disaster so as not to substantially increase homeowner's taxes when post disaster home repair or replacement assistance may actually increase the value of the home. Tax basis is kept the same because nearly all those assisted in the CDBG-DR program are low to moderate income.

- **92D.2 Leave Balances-** The leave balance saving provision protects leave balances for any temporary grant employee of the former SC Disaster Recovery Office or the Office of Resilience who moves into a full time equivalent (FTE) position with the SC Office of Resilience.

- **92D.3 SCOR: Carry Forward-** The carry forward allows the office to utilize any unexpended funds for the same purposes as set forth in the prior year.

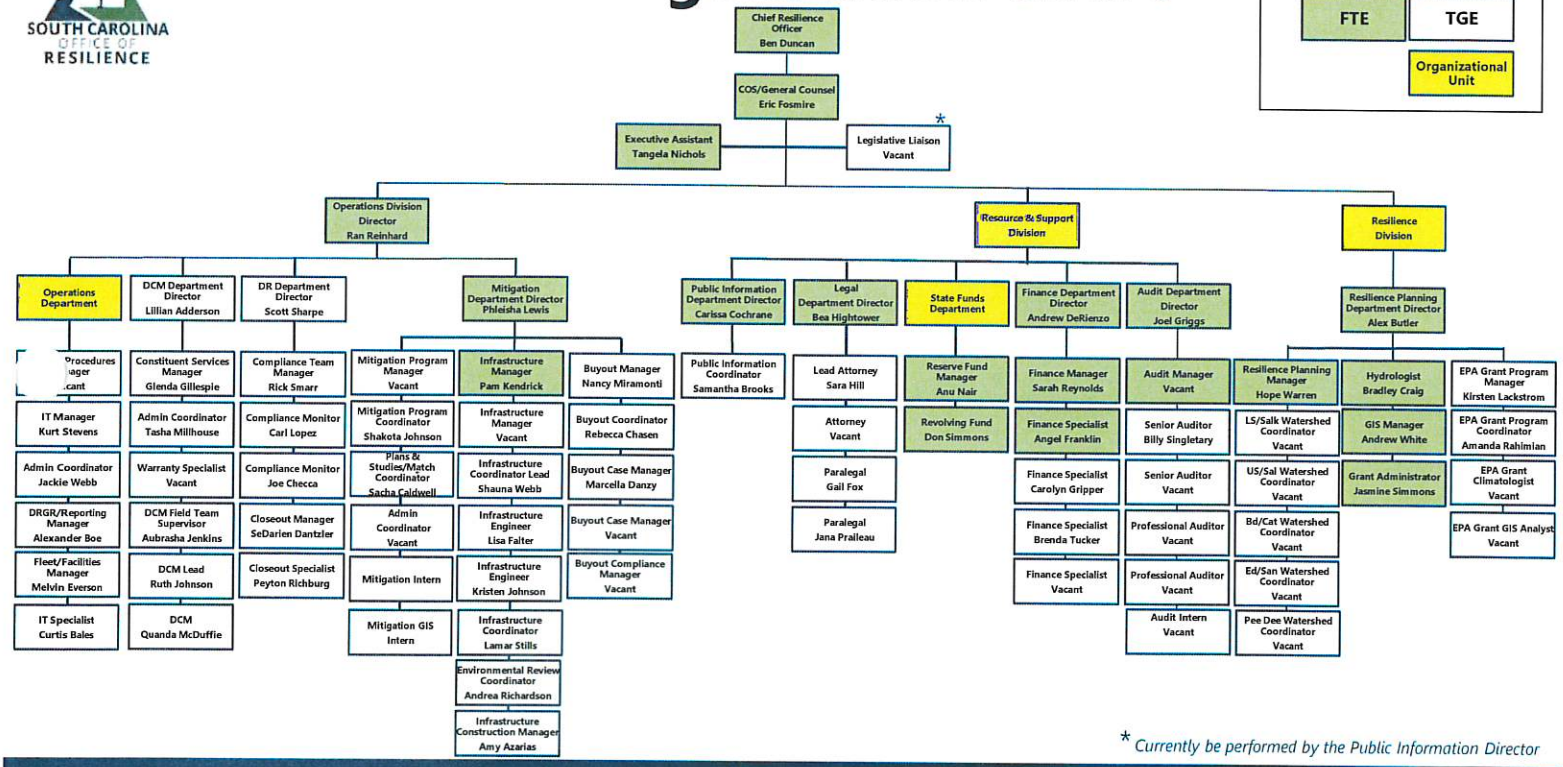
SOUTH CAROLINA OFFICE OF RESILIENCE

SCOR Organization Chart

Key:

FTE | TGE

Organizational Unit



* Currently be performed by the Public Information Director

Questions?