

Agency	Category	Goal for 2023 Action	2023 Mitigation Action	2023 Hazard Addressed	New Mitigation Action Aligns with Goals	Cost of Project	Funding Source	Status in 2018 Plan	Implementation Status	2023 Implementation Schedule	Milestones Achieved, Impediments to Implementation	Priority	
DEEC - Bureau of Air Quality Staff, Bureau of Land and Water Management, Bureau of Environmental Services Staff	Natural Resource Protection	5	Communicate the need to identify disaster debris management sites and provide technical assistance when requested.	All Hazards	Improve interagency coordination and planning to reduce the impact of hazards	Undetermined	State Monitor and Hazard Mitigation Grant Monies	Action is ongoing and updates will be provided in subsequent plans until the project is completed.	Potential disaster debris management sites are identified by City, County, or State officials as an annual basis and evaluated by the Department to determine if they meet regulatory requirements for approval. Priority coastal counties participate in working sites.	Coordination activities will begin 10-15 days after initial start of project	Identification of the sites has with local jurisdiction and the approval of the sites by the Department	Moderate	
DEEC - Dams and Reservoir Safety Program	Prevention	3	Monitor precipitation forecast and issue warnings to dam owners	Flood, Dam Failure, Hurricane	Enhances outreach efforts focusing on the effects of hazards	Undetermined	FEMA Non-Disaster Grant Funding and State Matching Money	Action is ongoing and updates will be provided in subsequent plans until the project is completed.		Immediate /no-going		High	
DEEC - Dams and Reservoir Safety Program	Property Protection	4	Perform excavating/protection inspections of ship and significant hazard damage.	Flood, Dam Failure	Data collected will be shared to identify appropriate mitigation projects	Undetermined	FEMA Non-Disaster Grant Funding and State Matching Money	Action is ongoing and updates will be provided in subsequent plans until the project is completed.		Immediate/no-going	The Department inspects high hazard dams once every two years and significant hazards every five years. The Department generally inspects over 250 dams and less than one position currently devoted to this activity.	High	
DEEC - Dams and Reservoir Safety Program	Prevention	4	Following dam failures, conduct evaluations of the failure, related damage and deterioration improvement	Flood, Dam Failure, Hurricane	Provides data to identify appropriate mitigation projects	Undetermined	FEMA Non-Disaster Grant Funding and State Matching Money	Action is ongoing and updates will be provided in subsequent plans until the project is completed.		Immediate/no-going	The Department attempts to perform these inspections as soon as possible. However, some dam owners don't report failures to the Department and make repairs without our knowledge.	High	
DEEC - Dams and Reservoir Safety Program	Prevention	1	Review application packages and issue permits for construction, repair, alteration, and removal activities.	Flood, Dam Failure, Hurricane, Seismic	Project designed to reduce impact on people and property	Cost varies based on project.	FEMA Non-Disaster Grant Funding and State Matching Money	Action is ongoing and updates will be provided in subsequent plans until the project is completed.	Dependent on funding	Immediate/no-going	Generally, the Department can quickly review an application within 30 days. However, as more existing dams age and use the old state-of-the-art design, additional permits are required to maintain additional safety.	High	
DEEC - Dams and Reservoirs Safety Program	Property Protection	1	Perform engineering and fieldwork inspection reports, alteration and removal activities of completed dams.	Flood, Dam Failure, Hurricane, Seismic	Project designed to reduce impact on people and property	Cost varies based on project.	FEMA Non-Disaster Grant Funding and State Matching Money	Action is ongoing and updates will be provided in subsequent plans until the project is completed.		Implemented over the long term or as well as funding is available	Currently, inspections are performed as the completion of structural work.	Moderate	
DEEC - Dams and Reservoirs Safety Program	Public Education and Awareness	3	Perform workshops/Seminars that spread dam safety information and education to the public and other government agencies.	Dam Failure	Enhances education focusing on the effects of hazards	Undetermined	FEMA Non-Disaster Grant Funding and State Matching Money	Workshops are ongoing.	Software/hardware purchase (Jan 2012), development and collection (Jan 2012), development and collection (Jan 2012), development and collection (Jan 2012)	Immediate/no-going	The Dams and Reservoirs Safety Program is understood and funded with many different contractors. This creates an environment where there isn't available to other workshops and seminars.	High	
DEEC - Dams and Reservoirs Safety Program	Emergency Services	5	During dam failure, activate dam failure advisory team and react the SDC.	Flood, Dam Failure, Hurricane, Seismic	Improve interagency coordination and planning to reduce the impact of hazards	Undetermined	FEMA Non-Disaster Grant Funding and State Matching Money	Ongoing/never needed		Immediate/no-going	The Dams and Reservoirs Safety Program has been working closely with SCDM and has prepared to react to various training events at the SDC facilities.	High	
DEEC - Division of Acute Disease Epidemiology	Health Protection	1	Purchase, development and deployment of a sustainable disease surveillance and outbreak management system. Used for surveillance for infectious diseases to include pandemic influenza and biological agents capable of posing potential serious mass destruction and/or high threat communicable diseases. Outbreak management to occur in the same platform. This will allow the team to collect, manage, analyze and report data and make more rapid response.	Pandemic Influenza, Bioterrorism, Other Disease Outbreaks	Project designed to reduce impact on people and property	Funding for purchase of software / hardware: \$150,000 (Contract) 2012; funding for personnel to support development, and deployment: \$125,000	CDC Public Health Emergency Preparedness Grant 2012-2012	Action is ongoing and updates will be provided in subsequent plans until the project is completed.	Biotech restoration activities do not currently authorize funding for data stabilization projects.	Action begins with the approval of the grant funding in 2012. Action must wait for the end of the grant in late July 2012.	2012 - Newly Reported Mitigation Action 2018 - Ongoing	High	
DEEC - Dams and Reservoirs Safety Program	Prevention	6	Issue Maintenance, Inspection & Repair, and Emergency Orders to avoid required dam	Flood, Dam Failure	Enhances compliance capabilities	Undetermined	FEMA Non-Disaster Grant Funding and State Matching Money	Ongoing/never needed	The Beach Erosion Research and Monitoring Program (BERMP) was developed and collected annual beach profile data to document change in active beach systems.	Immediate/no-going	DEEC generally attempts to obtain voluntary compliance in order to maintain. If the dam owners don't report, these orders are issued.	High	
DEEC-OCM	Prevention, Property and Natural Resource Protection	1	Support Beach Restoration Efforts	Coastal Storms and Hurricanes, Erosion	Project designed to reduce impact on people and property	\$100,000	HMA grants, NOAA	Action is ongoing and updates will be provided in subsequent plans until the project is completed.	DEEC-OCM and SCDM have established and funded past year's beach restoration programs, however, there are no mechanisms in place for sustained funding.	Ongoing	Due to potential impacts during beach meeting sessions, activities must be coordinated with SCDM.	Low	
DEEC-OCM	Prevention, Property and Natural Resource Protection	4	Continue and Expand Beach Monitoring	Coastal Storms and Hurricanes, Erosion	Provides data to identify appropriate mitigation projects	\$250,000	NOAA Coastal Zone Management Grants, SC Beach Restoration and Improvement Trust Fund	Ongoing as funding is available	State currently does not have similar ongoing monitoring, planning, and reporting framework for our beachfront shorelines in the coastal	Ongoing	New action started BERMP data, including post storm data collection, is available through the R.E.M. system with application http://go.dhs.sc.gov/bermpviewer/	Moderate	
DEEC-OCM in conjunction with DNR	Property and Natural Resource Protection	1	Establish a Marine Debris Reduction Program	Coastal Storms and Hurricanes	Project designed to reduce impact on people and property	\$100,000	NOAA CZM Grants, NOAA Office of Response and Restoration Grants, DEEC, DNR	Ongoing when funding is available	Marine beachfront mitigation has adopted beach restoration plans and local county support funding for debris removal programs, however, there is a need for long-term program enhancement strategies.	Annual appropriation	Ongoing	2012-New action DEEC-OCM funded vessel removals with the City of Folly Beach and the City of Charleston. DEEC-OCM is working with US Army Working Group partners to pilot a beachline and shoreline cleanup program, as well as to establish a centralized ARB database.	Low
DEEC-OCM in conjunction with SCDM, DNR, Sea Grant	Prevention, Property and Natural Resource Protection	5	Improve hazard mitigation along non-beachfront coastal shoreline	Coastal Storms and Hurricanes, Erosion	Improve interagency coordination and planning to reduce the impact of hazards	\$100,000	HMA grants, NOAA, DEEC, DNR	Action is ongoing and updates will be provided in subsequent plans until the project is completed.	Marine beachfront mitigation has adopted beach restoration plans and local county support funding for debris removal programs, however, there is a need for long-term program enhancement strategies.	Ongoing	2012-New action DEEC-OCM completed a Sea Grant beachfront strategy that resulted in a regulatory definition and project standards for living shorelines in South Carolina. DEEC-OCM also funded annual monitoring of living shorelines by SCDM to inform future planning. DEEC-OCM is working with US Army Working Group partners to pilot a beachline and shoreline cleanup program, as well as to establish a centralized ARB database.	Moderate	
DEEC-OCM in conjunction with the SC General Assembly	Prevention, Property and Natural Resource Protection	2	Fund the Beach Restoration and Improvement Trust Fund	Coastal Storms and Hurricanes, Erosion	Obtains resources to reduce the impact of hazards on property	\$5,000,000	State General Assembly	Action is ongoing and updates will be provided in subsequent plans until the project is completed.	Marine beachfront mitigation has adopted beach restoration plans and local county support funding for debris removal programs, however, there is a need for long-term program enhancement strategies.	Ongoing	In 2008, the SC General Assembly appropriated \$10M for the re-establishment in the DEEC-OCM program. The GA did not allow the Beach to be available for funding. The GA did not allow the Beach to be available for funding. The GA did not allow the Beach to be available for funding.	High	
DEEC-OCM with assistance from SCDM, SC Sea Grant, Universities	Prevention, Property and Natural Resource Protection	5	Improve Coastal Hazard Mitigation Strategies	Coastal Storms and Hurricanes, Erosion	Improve interagency coordination and planning to reduce the impact of hazards	\$100,000	NOAA Coastal Zone Management Grants, HMA grants, NOAA Coastal Management Fellowship Hazard Mitigation Grant Monies	Action is ongoing and updates will be provided in subsequent plans until the project is completed.	Marine beachfront mitigation has adopted beach restoration plans and local county support funding for debris removal programs, however, there is a need for long-term program enhancement strategies.	2 years	2012-New action DEEC-OCM updated guidance for local Communities Beach Management Program (CBMP) and Community Based System elements	Moderate	
S.C. Sea Grant Consortium	Public Education and Awareness	3	Educate community professionals about hazards related to coastal tidal flooding, extreme rise and flooding, climate trends, changes in weather, tropical storms, etc. Sea Grant professionals, state, county and municipal staff, emergency responders	Hurricanes, Coastal Flood, Coastal Drought	Enhances education efforts focusing on the effects of hazards	staff time, tools, grant funding	NOAA/National Sea Grant Office	staff time, tools, grant funding	NOAA/National Sea Grant Office	staff time, tools, grant funding	NOAA/National Sea Grant Office	High	
S.C. Sea Grant Consortium	Public Education and Awareness	4	Educate teachers about hazards related to coastal tidal flooding, extreme rise and flooding, climate trends, changes in weather, tropical storms, etc. Sea Grant professionals, state, county and municipal staff, emergency responders	Hurricanes, Coastal Flood, Coastal Drought, Erosion	Provides local policy makers with data, synthesis and assessments for making policy decisions.	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	Medium	
S.C. Sea Grant Consortium	Public Education and Awareness	4	Providing Technical Expertise (volunteering to County and Municipal staff, emergency responders)	Hurricanes, Coastal Flood, Drought, Erosion	Provides local policy makers with data, synthesis and assessments for making policy decisions.	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	High	
S.C. Sea Grant Consortium	Public Education and Awareness	5	Service SCOR Advisory Committee	Hurricanes, Coastal Flood, Drought, Erosion	Provides local policy makers with data, synthesis and assessments for making policy decisions.	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	High	
S.C. Sea Grant Consortium	Public Education and Awareness	3	Engage residents in consultation and education about hazards related to coastal tidal flooding, extreme rise and flooding, climate trends, changes in weather, tropical storms in partnership with municipalities	Hurricanes, Coastal Flood, Drought, Erosion	Enhances education efforts focusing on the effects of hazards	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	Medium	
S.C. Sea Grant Consortium	Public Education and Awareness	4, 6, 7	Engage with universities and other entities to conduct research for understanding and responding to hazards in specific locations or habitats including marine board locations	Hurricanes, Coastal Flood, Drought, Erosion	Provides local policy makers with data, synthesis and assessments for making policy decisions.	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	staff time, tools, grant funding	NOAA/National Sea Grant Office/Municipalities, NFWF, ICAR	Medium	
SC Dept. of Commerce	Property Protection	1	Increase continuity planning as a practice among SC companies	All Hazards	Project designed to minimize business disruption and minimize time to restart	Still under investigation, expected to be more than \$10,000	SC Dept. of Commerce (see EEP 241, SC218 or other funds for preparedness and mitigation)	Still under investigation, expected to be more than \$10,000				High	
SC Dept. of Commerce	Property Protection	3	Avoid in providing comprehensive guidelines for cyber security preparation. (from contributions of our organizations, see list under "New Action Items.")	Man-made attacks, plus any other issues caused by natural events	Property designed to minimize business disruption, intellectual property theft and production downtime. Could have cross over with Industry 4.0 (the latest in industry data sharing, emergency and safety) as well. Would likely carry over with refer to SC Manufacturing Extension Partnership (MSEP), SLED CyberCenter (an Competitiveness), Small Business Development Center (SBDC), University of SC (USC), and the SC Critical Infrastructure Cybersecurity Task Force (SC CTC)	Total cost undetermined	Current limited funding for SC contractors only. Will determine cost structure and then look at Commerce/State funding with current match ARPA has potential, but is not available yet.	This is a new addition to the 2018 plan.				Moderate	
SC Dept. of Commerce	Property Protection	1	Increase the speed at which emergency management is delivered to individual disaster makers in business settings and minimize supply chain disruptions. This activity includes upgrades to the Business Disaster One Stop website.	All Hazards	Project designed to allow disaster makers maximum time to adjust for any given disaster, thereby minimizing operational down time. Give the user situational awareness. Key partners with SCDM and SC Dept. of Commerce (both support from SC Dept. of Commerce's Marketing and Communications division)	Little additional cost. Can probably be included in current Marketing and Communications Department emergency delivery mechanism (see Commerce Task Force, Twitter, LinkedIn and other social media platforms). Still getting Commerce's Marketing and Communications division)	Included in products already available by SC Dept. of Commerce (SC Dept. of Commerce is always prepared to examine ARPA funding options for any delivery enhancements)	This is a new addition to the 2018 plan.				Moderate	
SCDEW	Prevention of power loss due to inability to reach the main breaker		To remove the main switchboard to new main administrative building and replace it with a new one. The main breaker is a 50 year old labor pressure switch that has the probability of an short-circuiting if a new switch is replaced.	Robert E. David Building Switchboard Replacement	Any hazard that may cause inconsistent electricity flow to the building	\$80,000	SCDEW Contingency Assessment Fund	N/A	Construction complete. Warranty plan projection complete 10/2022	Began on 5/2021 and will be complete in 10/2022	Construction complete. We are currently in the warranty phase.	High	
SCDEW	Prevention, property protection		To replace the five primary control panel and integrate it to an effort to separate the fire pump and piping from our main electrical control panel.	Robert E. David Building Fire Pump Control Panel Replacement	Earthquake	\$162,477	SCDEW Contingency Assessment Fund	N/A	Construction is currently underway.	Dec-23	The area has been prepped. Waiting on equipment, material, supply chain issues.	High	
South Carolina Association of Hazard Mitigation	Public Information and Awareness	3	Host annual Hazard Mitigation Conference	All Hazards	Enhances outreach efforts focusing on the importance of mitigation	\$30,000	FDM, IHMC, FRAP (technical assistance), FEMA, EMPC, FEMA-AT Hazard Emergency Operational Training	Ongoing when funding is available	Ongoing	Occurs yearly		High	
South Carolina Association of Hazard Mitigation	Public Information and Awareness	3	Conduct at least one training session each year to discuss hazard-related topics including mitigation	All Hazards	Enhances education focusing on the effects of hazards	\$400 annually	South Carolina Association for Hazard Mitigation resources, FDM, IHMC, FRAP (technical assistance), FEMA, EMPC, FEMA-AT Hazard Emergency Operational Training	Ongoing - day of recovery held annually and includes mitigation topics	Ongoing	As funding becomes available.		Moderate	
South Carolina Department of Parks, Recreation and Tourism	Property Protection	1	Conserve water of specific state parks through the construction of reservoir catch basins and implementation of water education practices	Drought	Project designed to reduce impact on people and property	\$60,000	HMA grants, Existing Operating Budget	Updated and Ongoing	Ongoing	As funding becomes available.	Impediments: Funding and Staff	Moderate	
South Carolina Department of Parks, Recreation and Tourism	Property Protection	1	Strengthen all SCDFP structures to withstand earthquake-related impacts	Earthquake	Project designed to reduce impact on people and property	Millions of Dollars	Hazard Mitigation Grant Program, Pre-Disaster Mitigation, Emergency Management Performance Grant, FEMA - All Hazards Emergency Operations Planning, Public Assistance (406 Mitigation)	Updated and Ongoing	Ongoing	As funding becomes available.	Impediments: Funding and Staff	Moderate	
South Carolina Department of Parks, Recreation and Tourism	Property Protection	1	Install facilities to prevent lightning losses from damaging equipment and facilities.	Lightning	Project designed to reduce impact on people and property	\$2,000,000	Hazard Mitigation Grant Program, Pre-Disaster Mitigation, Emergency Management Performance Grant, FEMA - All Hazards Emergency Operations Planning, Public Assistance (406 Mitigation)	Updated and Ongoing	Ongoing	As funding becomes available.		New computerized detection system at Hamilton Branch, Edisto Branch, Table Rock, Hunting Island, Myrtle Beach, Lake Waccamaw, and Charleston State Park has lightning sensors installed. Standard practice of SCDFP is to install surge protectors for computer systems and other electronic equipment. Staffing/Training/Proper Lighting. Lightning sensors placed on facilities to provide detection to equipment.	Moderate
South Carolina Department of Parks, Recreation and Tourism	Property Protection	1	Protect and harden historic structures of the SC State Park Service	Lightning, Hurricanes, Fire	Project designed to reduce impact on people and property	Millions of Dollars	Pre-Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, FEMA - All Hazards Emergency Operations Planning, Public Assistance (406 Mitigation)	Updated and Ongoing	Ongoing	As funding becomes available.	Hurricane shutters and windows for all external facilities. Impediments: age of structures, staffing, time constraints, budgets, and historic facilities these park services.	Moderate	
South Carolina Department of Parks, Recreation and Tourism	Property Protection	1	Protect and harden historic structures of the SC State Park Service	Lightning, Hurricanes, Fire	Project designed to reduce impact on people and property	\$200,000	Pre-Disaster Mitigation, Hazard Mitigation Grant Program, Emergency Management Performance Grant, FEMA - All Hazards Emergency Operations Planning, Public Assistance (406 Mitigation)	Updated and Ongoing	Ongoing	As funding becomes available.	Hurricane shutters installed at Edisto Branch Interpretive Center and facilities for historic buildings. Impediments: age of structures, staffing, time constraints, budgets, and historic facilities through park services.	Moderate	
South Carolina Department of Parks, Recreation and Tourism	Prevention	2	Establish timely release of beach reimbursement trust fund	Hurricanes, Coastal Erosion, Nor'easter	Project designed to reduce impact on people and property	Staff Time and Resources	N/A	New	Ongoing		Beachfront and coastal erosion management. Impediments: Resource Management Office of SC DEEC, Impediments: Beachfront and coastal erosion management.	High	

South Carolina Department of Parks, Recreation and Tourism	Structural Projects/ Public Awareness	3	To review route of specific state parks through construction of a waterway with basins and implementation of visitor education programs.	Wildfire	Project designed to reduce impact on people and property		Staff Time and Resources	Cost sharing grants, existing operating budget	New	Ongoing	Ongoing	Approaching wildfire as well as the evacuations on park visitors. Fire breaks and controlled burns will be funded to hold back the direction of wildfire.	Moderate
SCDOR	Planning	1	Install UPS and Emergency Generator at Warehouse location	All Hazards	Project designed to provide backup site for headquarters	\$130,000 to \$400,000		State Funding		Ongoing	As funding becomes available.	Generator installation completed and UPS tested. UPS installed expected by December 2021	Moderate
College of Charleston University Hazards Center	Public Information and Awareness	3	Develop education and outreach program addressing earthquake hazards	Earthquake, Flood, Hurricane	Enhances education efforts focusing on the effects of hazards	\$25,000		FEMA - Emergency Management, State of SC		Ongoing			Moderate
College of Charleston University Hazards Center	Public Information and Awareness	4	Develop emergency application for flood conditions reporting and communication	Flood	Enhances education focusing on the effects of hazards	\$50,000		NHAA / SC Sea Grant Consortium		Not yet prepared		2018 - Ongoing	Moderate
Centra a Disaster Business University All Hazard Mitigation Plan	Prevention	1	Improve interagency coordination and planning to reduce the impact of hazards	All Hazards	Improves interagency coordination and planning to reduce the impact of hazards	\$200,000		HMA grants, General Operating Funds	In Progress	dependent on funding	Start Sept 2022	Applying for funding in 2022.	High
Medical University of South Carolina	Prevention	2	Install Flood Barriers under ART	Flood, Hurricane, Tropical Storm	Project designed to reduce impact on people and property	\$200,000		HMA grants, General Operating Funds	2022-Completed	2022-Completed	Project can be completed within five years of receipt of funding.	Applying for funding in 2015. Funding expected in 2021.	High
Medical University of South Carolina	Prevention	3	Open Shingles for Inspection and Repairs Under Shingles Inspection Children's Hospital, Add Hospital to Hospital capable of handling aircraft with weight up to 400 lbs or 65 in length (black shingles)	All Hazards	Project designed to increase capacity to receive patients and supplies and to reduce impact on people and property	\$2,000,000		HMA grants, General Operating Funds	Completed February 22, 2020	Completed February 22, 2020	Start 2016	Completed February 22, 2020	High
Medical University of South Carolina	Prevention	4	Seismic Retrofit of the new Point to Point building. Purchase new Point to Point radios. Purchase new IOD radios; update call radios.	All Hazards	Improves interagency coordination and planning to reduce the impact of hazards	\$50,000		HMA grants, General Operating Funds	Completed June, 2020	Completed June, 2020	Start 2019	Completed June, 2020	High
South Carolina Department of Public Safety (SCDPS)	Prevention	5	Develop and implement a comprehensive COOP strategy to include planning, training, alternate facility, and equipment	All Hazards	Improves interagency coordination and planning to reduce the impact of hazards	\$10,000		HMA grants	Ongoing once funding is available		As funding becomes available	Funding for technology upgrade remains lacking	Moderate
South Carolina Department of Public Safety (SCDPS)	Prevention	5	Develop and implement a comprehensive COOP strategy to include planning, training, alternate facility, and equipment	All Hazards	Improves interagency coordination and planning to reduce the impact of hazards	NA		Funding was made available through the State Division of Technology Office (SDTO)	Completed and in place 2021		2020-2021	The Tuffertown Company was selected by the Department of Administration's Division of Technology Office (DTE) to serve as the disaster recovery vendor for the State. As such, South Carolina, SC, COOP location would serve as the disaster recovery site for the State. The Tuffertown Company is currently working on the disaster recovery site for the State. The Tuffertown Company is currently working on the disaster recovery site for the State. The Tuffertown Company is currently working on the disaster recovery site for the State.	Moderate
Department of Insurance	Property Protection	1	To provide retrofits that fairly existing homes thereby strengthening them against the high winds associated with hurricanes and wind storms.	Hurricanes, high-wind storms and other natural disasters	Project designed to reduce impact on people and property	\$4,000,000		HMOGP, FEMA, State appropriated dollars associated with the SC Safe Home Program	Safe Home program is ongoing	Ongoing	This is an ongoing grant program and any additional funds will be used to assist in the retrofit of homes.	To date, SC Safe Home has awarded more than 1,240 grants totaling more than \$12.8 million to retrofit and strengthen existing homes. SC Safe Home is the only active mitigation program in the US.	High
Department of Insurance	Life Safety and Property Protection	2	The development and implementation of a Statewide Public Awareness Campaign to provide information to the public regarding the need for preparation and mitigation measures that can be implemented to strengthen and protect their facilities and properties against natural disasters.	Hurricanes, high-wind storms and other natural disasters	Enhances education efforts focusing on the effects of hazards	\$150,000		HMOGP, HMOGP, and other funding sources to include private and corporate sponsorships.	Ongoing including radio ads	Ongoing	This is an annual activity that is held near the beginning of hurricane season. The Department generally targets the event to be as in-memoriam to natural disasters as possible.	The South Carolina Department of Insurance and the SC Safe Home Mitigation Grant program conduct outreach activities throughout the participating on the way planning and preparation. These activities include public information campaigns, training, seminars, webinars, printed materials, and social media. The Department generally targets the event to be as in-memoriam to natural disasters as possible.	High
Department of Insurance	Property Protection	2	The development of a database to track the retrofits and map through the GIS digital mapping process of properties and information collected through the application process of homes awarded through the grant program.	Hurricanes, high-wind storms	Information collected will be mapped and shared	\$485,000		HMOGP, FEMA, State appropriated dollars associated with the SC Safe Home Program.	Action is ongoing and updates will be provided in subsequent plans until the project is completed.	Completed Partially	Database is now operational. GIS mapping component will be included when funding is available.	2018 - The SC Safe Home database was developed and is now operational. Further enhancements to include a GIS mapping component are dependent on funding.	High
SCREW	Prevention of power loss due to inability to reset the main breaker.	Robert E. David Building Switchboard Replacement	Any hazard that may cause inconsistent electricity flow or failure.	This action protects us from the possibility of long term power loss and backup generator use.	\$80,000		SCREW Contingency Assessment Fund	N/A	N/A	Construction complete. Warranty plans/project completed 10/2022	Began on 5/2021 and will be complete in 10/2022	Construction complete. We are currently in the warranty phase.	high
SCREW	Prevention, property protection	Robert E. David Building Five Pump Control Panel Replacement	Earthquake	This action prevents the possibility of a unsafe situation in the event the five pump control panel fails.	\$142,477		SCREW Contingency Assessment Fund	N/A	Construction is currently underway.		Dec-21	The area has been prepped. Waiting on equipment now.	high
Department of Motor Vehicles, Mass Permitting, Mobile (803) 429-0305, Office (803) 996-0891	Property Protection, Continued Services	1	Install exterior generator docking stations at every second DMV facility	Flood, Hurricane, Tornado	Project designed to reduce impact on people and property	\$1,710,000 (estimated at \$308 per 7' covered Facility)		FEMA, Emergency Operational Planning, FEMA, HMOGP, DMVOC, Homeland Security Grants, State Funding	New	2018- Dependent on funding	We will start at the coastal branches and work our way inward to the inland.	Dependent on funding. We will start at the coastal branches and work our way inward to the inland.	High
Department of Motor Vehicles, Mass Permitting, Mobile (803) 429-0305, Office (803) 996-0891	Property Protection, Continued Services	2	Install exterior hurricane shutters on all glass doors and windows	Flood, Hurricane, Tornado	Obtains resources to reduce the impact of hazards on people and property	\$220,000 (estimated at \$220 per sq. ft. for 10' covered glass doors)		FEMA, Emergency Operational Planning, FEMA, HMOGP, DMVOC, Homeland Security Grants, State Funding	New/Completed, received	Dependent on funding	Upon funding, solicitation will begin for immediate implementation	Dependent on funding. We will start at the coastal branches and work our way inward to the inland.	High
Department of Motor Vehicles, Mass Permitting, Mobile (803) 429-0305, Office (803) 996-0891	Property Protection, Continued Services	3	Get down large trees that impeded our way to the DMV branch office	Flood, Hurricane, Tornado	Enhances outreach efforts focusing on the ways to increase outreach	\$114,000 (estimated at \$100 per tree for 124 trees, across 23 facilities statewide)		FEMA, Emergency Operational Planning, FEMA, HMOGP, DMVOC, Homeland Security Grants, State Funding	New	Dependent on funding	Upon funding, solicitation will begin for immediate implementation	Dependent on funding. We will start at the coastal branches and work our way inward to the inland.	High
Clemson University	Public Education and Awareness	1	Expand the University's Emergency Notification System to non-main campus sites	All Hazards	Expansion designed to reduce impacts on people	Cost will be based on the specific number of sites.		General Funds	N/A	Testing with first site	2023-2024		Moderate
Clemson University	Public Education and Awareness	1	Implement standard indoor emergency notification system	All Hazards	Project designed to reduce impact on people and property	Unknown		Hazard Mitigation Grant Program, Pre-Disaster Mitigation, Emergency Management Performance Grant, University Funding	N/A	Scheduling initial meetings	When development of proposal and funding are released	Identified emergency locations, developed initial concept and potential costs	High
Clemson University	Property Protection	2	Relocate the Emergency Operations Center to a location with emergency power, increased protection and adequate parking.	All Hazards	Project designed to enable emergency response to reduce impact on people and property	\$100,000		Hazard Mitigation Grant Program, Pre-Disaster Mitigation, Emergency Management Performance Grant, University Funding	N/A	Initial concept developed	2023-2024		High
Clemson University	Prevention	4	Continue development of University GIS mapping and integration into the University's Emergency Notification System to allow for data projections and location of hazards and emergency resources to improve planning and response	All Hazards	Designed to reduce the impact of hazards on people and property through improved planning and modeling response	Unknown		Hazard Mitigation Grant Program, Pre-Disaster Mitigation, Emergency Management Performance Grant, University Funding	N/A	Initial layers developed	2024	Initial layers developed, first several pulled into the Continuity Operating Plan	Moderate
Clemson University	Emergency Services	5	Develop integration between SC's Palmetto and Clemson's WAEOC	All Hazards	Designed to improve information sharing between SC and Clemson University to improve planning and response	Unknown		Pre-Disaster Mitigation, Emergency Management Performance Grant, University Funding	N/A	Initial discussions with Clemson and University	2023-2025		High
Clemson University	Public Education and Awareness	3	Develop an Emergency Management Information Network program to address the hazards both on and off campus and all hazards	All Hazards	Designed to increase resilience among the population and planning	Unknown		Hazard Mitigation Grant Program, Pre-Disaster Mitigation, Emergency Management Performance Grant, University Funding	N/A	Initial program concept	2024	Program concept developed	High
Clemson University	Planning	5	Continue Emergency Management and Continuity of Operations Plans (COMOP) and implement mitigation measures that both saving all forms of social media from Facebook to Twitter to reduce the perception of emergency on campus (facilities, faculty and staff). We are in the process of researching one of the call phone apps on the market that reports emergencies and alerts anyone of campus or any other disasters.	All Hazards	Improves communication skills and information sharing to protect values of the community against hazards. Provides important studies on best communication efforts as well as prioritizing preparation education through communicating with the community.	Unknown		Hazard Mitigation Grant Program, Pre-Disaster Mitigation, Emergency Management Performance Grant, Homeland Security Grants, University Funding	N/A	Dependent upon funding	Time span 3 to 5 years		Moderate
The Citadel	Planning	3 and 4	Use up-to-date social media from Facebook to Twitter to reduce the perception of emergency on campus (facilities, faculty and staff). We are in the process of researching one of the call phone apps on the market that reports emergencies and alerts anyone of campus or any other disasters.	All Hazards	Improves communication skills and information sharing to protect values of the community against hazards. Provides important studies on best communication efforts as well as prioritizing preparation education through communicating with the community.	\$144,000		Internal and South Carolina Office of Resilience	N/A	Initial concept developed	N/A		High
The Citadel	Planning	2, 5, and 6	The Director of Environmental Health, Safety and Emergency Management participates in all Federal, State, County and City exercises held during the disaster. The Director of Emergency Management is the liaison between the agencies and the school.	All Hazards	Improves interagency coordination and planning to reduce the impact of hazards, provides information during during drills and updates.	Unknown		Internal and South Carolina Office of Resilience	N/A	Current	N/A		High
The Citadel	Planning Public education and Awareness	3	FEMA continues to focus on activities involving active shooter and terrorism. An active shooter drill was conducted in September 2022.	Terrorism	Provides practice strategies that allow people within the community to learn how to respond to natural/catastrophic events.	Unknown		Internal and South Carolina Office of Resilience	N/A	emerging, current	annual	Operational	High
The Citadel	Property protection, construction of buildings	7	All new construction (Capitol Hill, South West Center, Barker Hall) are built to the standards involving seismic (earthquake), flooding, and hurricanes.	Natural Hazards, building codes	Uses up-to-date building codes to help protect against natural hazards, evaluating old buildings to stand current hazard standards.	Unknown		Internal and South Carolina Office of Resilience	N/A	emerging, current	N/A		High
The Citadel	Property protection, construction of buildings	7	Flag poles have been replaced with only heavy metal and high sides. Flag poles need to be maintained and cleaned of debris.	Natural Hazards, flooding	Uses up-to-date building codes to help protect against natural hazards, evaluating old buildings to stand current hazard standards.	Unknown		Internal and South Carolina Office of Resilience	N/A	emerging, current	N/A		High
The Citadel	Property protection, public outreach	3 and 7	The campus has purchased and installed a "Quiet Voice" PA system that serves the entire campus. The system is pre-recorded and has two voice announcements. Plus, we are researching purchasing a phone app that will alert individuals when a happening on campus and can give the alert.	All Hazards	Installing PA system allows for larger communications throughout the community as well as amplifying building codes to reduce potential safety measures.	Unknown		Internal and South Carolina Office of Resilience	N/A	emerging, current	N/A		High
The Citadel	Public Outreach/Planning	8, 9, 1	Hazard Mitigation has been added to card orientation and is now faculty and staff orientations.	All Hazards	Providing mitigation information to new incoming students allows for future strengthening of mitigation practices, more people are reached within the community, and increase disaster plans.	Unknown		Internal and South Carolina Office of Resilience	N/A	emerging, current	annual		High
Department of Natural Resources	Prevention	3	SCLEDM project phase I, II, and III	Hurricanes, flood, landslides, earthquake, sea level rise and climate change	Enhances outreach efforts focusing on the ways to increase outreach	Phase I - \$1,000,000; Phase II - \$2,150,000; Phase III - \$3,050,000		FEMA Flood Map Modernization, US Army Corps of Engineers, US Forest Service, US Fish and Wildlife Service, US Geological Survey, US Dept. of Agriculture, US Dept. of Energy, SC Dept. of Natural Resources, SC Dept. of Health and Environmental Control, SC Dept. of Parks, Recreation and Tourism, SC Dept. of Transportation, and others in the SCLEDM Consortium, Pre-disaster Hazard Mitigation Grant, Hazard Mitigation Grant		Action is ongoing and updates will be provided in subsequent plans until the project is completed.	January 1, 2007 through February 28, 2009 (Phase I) January 1, 2009 through December 31, 2019 (Phase II & III)	2017 - Completed	High
Department of Natural Resources	Prevention	5	Develop Statewide Drought Management and Mitigation Plan.	Drought, Wildfire	Improves interagency coordination and planning to reduce the impact of hazards	\$15,000 - \$25,000		Hazard Mitigation Grant Program, Pre-Disaster Mitigation		Action is ongoing and updates will be provided in subsequent plans until the project is completed.	Dependent on the acquisition of state or federal funding.		High
Department of Natural Resources	Prevention	6	Requires drought mitigation plans for industry and private water systems.	Drought	Enhances compliance capabilities	Staff time and resources		Natural Resource Conservation Service - Watershed Protection and Flood Prevention Program		Action is ongoing and updates will be provided in subsequent plans until the project is completed.	No progress to date.	Ongoing	High
Department of Natural Resources	Prevention	6	Establish water law requiring mitigation drought strategies to flow systems.	Flood	Enhances compliance capabilities	Staff time and resources		HMA grants		Action is ongoing and updates will be provided in subsequent plans until the project is completed.	Currently no law in place	Currently no law in place	Moderate
Department of Natural Resources - Flood Mitigation Program	Prevention	1	Prioritize FEMA projects based on Severest Affected Areas, Dependent Local and Substantial Damage Locations.	Flood, Hurricane, Nor'easter	Enhance the ability to respond for FEMA projects than enhance the capacity of flooding to protect and preserve.	Staff time and resources		FEMA Flood Mitigation Assistance Program		Completed through FEMA management	Ongoing	FEMA F2022 FEMA application will be prioritized in 2024	High
Department of Natural Resources - Flood Mitigation Program	Prevention, Public Information and Awareness	3	Encourage participation of local government in the National Flood Insurance Program and the Community Rating System.	Flood	Enhance outreach efforts focusing on the importance of mitigation	Staff time and resources		Community Assistance Program State Support Services Element grant		Action is ongoing and updates will be provided in subsequent plans until the project is completed.	Ongoing	2022 - Two hundred thirty-two (232) communities participate with NFIP & SC. One-hundred (100) communities participate in the CSR program. SC Communities currently generate over \$2 million in premium discounts for SCNFIP policyholders.	Moderate
Department of Natural Resources - Flood Mitigation Program	Prevention	4	Update Flood Insurance Rate Maps statewide through the Map Modernization.	Flood	Data collected will be utilized to update Flood Insurance Maps throughout the state	~ \$21 million		FEMA Cooperating Technical Partners Program	Ongoing - maps nearly all updated	Ongoing		2022 - County-wide Flood Insurance Studies and Digital Flood Insurance Rate Maps are either pre-release or effective for 2023. The State has been awarded a grant from FEMA to update its FEMA maps. The State has been awarded a grant from FEMA to update its FEMA maps. The State has been awarded a grant from FEMA to update its FEMA maps.	High
SC State Climate Office, S.C. Sea Grant	Public Education and Awareness	4	Supporting Coastal Drought Impact Reporting	Drought	Provides data to identify appropriate mitigation projects			National Integrated Drought Information System (NIDIS)		Action is ongoing and updates will be provided in subsequent plans until the project is completed.	2013-2014	Final form of the impact reporting system will depend on stakeholder input to be gained during the 2013 workshop, which is difficult to estimate costs for the 2013 workshop and other development in terms of staff time or required presence on an agency basis.	Moderate
SC Labor, Licensing and Regulation, South Carolina Building Codes Council	Prevention	1	Strengthen existing building codes	All Hazards	Policy designed to reduce impact on property	N/A		N/A	New	Ongoing	1-Jan-23	The 2021 Building Codes were adopted by the SC Building Codes Council on October 6, 2021, and will have an anticipated effective date of January 1, 2023.	High

SC Labor, Licensing and Regulation - South Carolina State Fire	Prevention	5	Improve interagency coordination	All Hazards	Pre incident planning to enhance response to emergencies	N/A	N/A	New	Ongoing	1-Jan-23	Meeting with SCHEM to create Firefighter Mobilization plans within Patrollers; engaging FEMA to develop process to attract firefighters to SC	Low
SC Labor, Licensing and Regulation - South Carolina Fire Academy	Prevention	2	Enhance training, education, and outreach	All Hazards	Train first responders to respond to all hazards	N/A	N/A	Ongoing	Ongoing	Ongoing	Ongoing	Low
SC Labor, Licensing and Regulation - South Carolina Emergency	Prevention	3	Rebuild and replace SCF 1 standard and more equipment cache	All Hazards	Obtain resources necessary to respond to hazards to save lives and	N/A	N/A	Ongoing	Ongoing	Ongoing	Ongoing	Low
SC Labor, Licensing and Regulation - South Carolina State Fire	Prevention	6	Review of policies and procedures	All Hazards	Review policy and procedures for accuracy and relevance	N/A	N/A	Ongoing	Ongoing	Yearly	Yearly	Low
SC Labor, Licensing and Regulation - South Carolina State Fire	Prevention	3	Strengthen Community Risk Reduction	All Hazards	Support Community Risk Reduction initiatives within communities	N/A	N/A	Ongoing	Ongoing	Ongoing	Ongoing	High
SC Labor, Licensing and Regulation - South Carolina State Fire	Prevention	4	Review NFIRS data for input	All Hazards	Gather and utilize data to support CSR and other projects to mitigate hazards	N/A	N/A	Ongoing	Ongoing	Ongoing	Ongoing	Low
SC Labor, Licensing and Regulation - South Carolina State Fire	Prevention	4	Collect CLEAR Team data on fire incidents	Fire	Collect and utilize data to identify fire risks within communities	N/A	N/A	Ongoing	Ongoing	Ongoing	Ongoing	Low
Firearm Commission	Prevention	7	Review firearms possession	Fire	Check law level capabilities to minimize wildfires	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Low
Firearm Commission	Prevention	3	Community outreach to educate on wildfire risks	Fire	Education communication on their wildfire risks and mitigation options to reduce wildfire risk	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Ongoing	Low
Firearm Commission	Prevention	4	Utilize data to identify high risk wildland fire areas and provide community outreach to educate community on risk and mitigation practices	Fire	Utilize fire occurrence data and GIS tools to identify areas where escaped debris burns and intentional wildfires occur, and deploy targeted wildfire prevention teams to educate homeowners, enhance outdoor burning laws, and to allow for rapid response to wildfires	Ongoing	Ongoing	Ongoing	Ongoing	January 1 - April 30	Ongoing	Low
SC Labor, Licensing and Regulation, South Carolina Building Codes Council	Public Education and Awareness	3	Community outreach about the importance of hiring licensed contractors	All Hazards	Educating the public about risks associated with hiring unlicensed contractors	n/a	n/a	New	ongoing	ongoing	ongoing	High
SC Labor, Licensing and Regulation, South Carolina Building Codes Council		1	Improve staff availability and efficiency for continued licensure for all LBs boards in the event of a board	All Hazards	LLR oversees licensure of medical professionals and contractors, ensuring licensure continues in the event of a board help agency impact and property	n/a	n/a		ongoing	ongoing	ongoing	Low
The Salvation Army, North Carolina & South Carolina Division	Prevention/Preparedness	2	Survey all SA-owned facilities providing community services in SC for existing electrical service and to install a transfer switch for back-up power generators	Flood, Hurricane, Severe Weather, Winter Storms, Tornadoes	Obtain resources to reduce the impact of hazards on people and property	\$50,000	HMSP - Salvation Army property unit/for disaster funds	2023 - Ongoing on funding is available	dependent on funding	Phase 1 - Locations along and east of I-95, Phase 2 -Bismarck locations	2018 - Ongoing	High
The Salvation Army, North Carolina & South Carolina Division	Prevention/Preparedness	2	Install back-up generator (generator necessary to run SA-owned facilities in SC providing community services)	Flood, Hurricane, Severe Weather, Winter Storms, Tornadoes	Obtain resources to reduce the impact of hazards on people and property	\$7,500,000	HMSP - Salvation Army property unit/for disaster funds	2023 - Ongoing on funding is available	dependent on funding	Phase 1 - Locations along and east of I-95, Phase 2 -Bismarck locations	2018 - Ongoing	High
The Salvation Army, North Carolina & South Carolina Division	Prevention/Preparedness	2	Conduct needs analysis, including but not limited to disaster, to SA-owned facilities providing community services	Flood, Hurricane, Severe Weather, Winter Storms, Tornadoes	Obtain resources to reduce the impact of hazards on people and property	\$2,000,000	HMSP - Salvation Army property unit/for disaster funds	2023 - Ongoing on funding is available	dependent on funding	Phase 1 - Locations along and east of I-95, Phase 2 -Bismarck locations	2018 - Ongoing	High
South Carolina Department of Alcohol and Other Drug Abuse Services(DOADS)	Public Information and Awareness	5	Develop a detailed disaster plan for disaster response	All Hazards	Will coordinate with local agencies to reduce the impact of hazards on people and property	none known	N/A		In progress	on going	on going	High
Department of Natural Resources - State Climate Office	Prevention and Planning	4	Improve current state and federal programs addressing drought	Drought	Analysis will improve drought mitigation	None entered	Pre Disaster Division, Hazard Mitigation Grant Program, Emergency Management Performance Grant	Action is ongoing and updates will be provided in subsequent phases until the project is completed	Ongoing	Ongoing	Recognizing the State Climate Office (SCO) staff limitations and the need for improved drought monitoring and communication both within the State and to the US Drought Monitor (UDM) authors the agricultural community through the State Legislature that a new Drought Response - Emergency preparedness was needed, and the project would reside within the SCO. The position has significantly enhanced monitoring and drought communication, including the strengthening networks at the local level, establishing a process of information to the US Drought Monitor, analyzing weekly telegraphs that explain the USDM drought predictions, and a monthly water resource summary, and hunting water plans	Moderate
Department of Natural Resources - State Climate Office	Prevention and Planning	6	Amend Drought Response Act 49-23-79 and supporting regulations; State amendments should include: 1) Expanding municipal water systems, industry and lake owners responsible for the provision of water for public or private use in drought; Drought Management Plan; 3) Review Drought Committee Structure and operating process; 3) Review the involvement of the Administrative Law Judge Division in the drought declaration process.	Drought, Wildfire	Enhance compliance capabilities	Staff time and resources	State appropriations	Action is ongoing and updates will be provided in subsequent phases until the project is completed	No progress to date.	Will require legislative approval during the current Legislative Session (January 2024)	Several public hearings held between stakeholders and the Department of Natural Resources will be required to work through any issues before it is submitted.	High
Department of Natural Resources- Marine Division	Prevention and Planning	3	Provide training for Coastal Dredging, dredging with continuing education credits to understand flooding, flood impacts, nature based solutions, and relevant regulations in coastal South Carolina	Flooding	Staff time and resources	N/A	N/A	Action is ongoing and updates will be provided in subsequent phases until the project is completed	ongoing	ongoing	ongoing	High
Department of Natural Resources- Marine Division	Prevention and Planning	1,7	Statewide Rehabilitation of Wetland Field Study	Severe events	Staff time and resources	N/A	N/A	Action is ongoing and updates will be provided in subsequent phases until the project is completed	ongoing	ongoing	ongoing	High
Department of Natural Resources- Marine Division	Prevention and Planning	8	Participating in multiple restoration projects to further resilience planning for marsh migration in the ACE Basin, increasing system reef and marsh resilience in many different places and projects participating in workgroups to increase nature based solutions use in SC	coastal flooding, habitat change, erosion	Staff time and resources	N/A	N/A	Action is ongoing and updates will be provided in subsequent phases until the project is completed	ongoing	ongoing	ongoing	High
Department of Natural Resources - Marine Resources Division	Property Protection	1	Minimize going to and from port points for all motor opening, caulked all gates, and adding a 1500 amp generator to the emergency transformer and all associated electrical panels will provide additional protection from the flood waters	Flooding	Project designed to reduce impact on people and property	\$61,576.00	FEMA funding	Action is ongoing and updates will be provided in subsequent phases until the project is completed	No progress to date	Waiting on approved AI	Phase 1 per design	High
Department of Natural Resources - Marine Resources Division	Property Protection	1	MRP is constructing a flood protection wall on the harbor side of the Marine Resources Division	Flooding	Project designed to reduce impact on people and property	\$4,075,000	State appropriations	Action is ongoing and updates will be provided in subsequent phases until the project is completed	Started per AI	Established AI for phase 1 and 2 through harbor side of the harbor	Phase 1 AI and Engineering have started	High
Department of Natural Resources - Marine Division	Prevention	1,2,3,4,5,6,7	Living shoreline research, protection, natural and education	Sea level rise, Hurricanes	Reduces risk of impacts and increases resiliency	Staff time and resources	Competitive research and implementation grants, with collaboration inter-agency partnership	Action is ongoing and updates will be provided in subsequent phases until the project is completed	In progress	Activities at all areas are continuing and being applied to new areas	Several successful funding awards for research, education, and implementation; one state regulation allowing for implementation through regulatory review	High
Department of Natural Resources - Marine Division	Prevention	4,2,5,7	Fort Johnson Marine Planning	Sea level rise, Hurricanes	Reduces risk of impacts and increases resiliency	800,000+	Master Plan completed in 2022; implementation of short term and long term actions upon completion of \$3.5M AI	Action is ongoing and updates will be provided in subsequent phases until the project is completed	In progress	Master Plan completed in 2022; implementation of short term and long term actions upon completion of \$3.5M AI	Master plan was completed during 2022; implementation planning is just beginning	High
Department of Natural Resources - Marine Division	Prevention	1,7	Waldorf Marshes Center (WMC) bank stabilization	Sea level rise, Hurricanes	Reduces risk of impacts and increases resiliency	Staff time and resources	Working with local Master Gardeners for maintenance	Action is ongoing and updates will be provided in subsequent phases until the project is completed	In progress	Maintenance of vegetative buffer will be needed long-term	WMC staff worked with local Master Gardeners to design and build native vegetative buffer plantings to stabilize the shoreline; ongoing maintenance and new plantings completed	High
Department of Natural Resources	Prevention		Property acquisition; that will buffer coastal areas; allow for marsh migration, buffer rows (breaklines), and provide carbon sinks through the restoration of marsh	Sea level rise, Hurricanes	Reduces risk of impacts and increases resiliency	Staff time and resources	US Fish and Wildlife, NOAA and other grants	Action is ongoing and updates will be provided in subsequent phases until the project is completed	In progress	ongoing	ongoing	High
Department of Natural Resources	Prevention</											

The Nature Conservancy	Moderate	Goal 7: Maximize use of natural resource protection measures and nature-based solutions as cost-effective means to reduce the impacts of hazards on people, property, and infrastructure.	1-acre Baycl Living Shoreline in Georgetown, SC	Coastal losses, Floods, Sea Level Rise		\$3M	Baycl Foundation, Beving		In permitting phase	2023: Design & Permitting 2024: Permitting & Construction	Permitting phase has been 15 months long, still waiting	Moderate
The Nature Conservancy	Moderate	Goal 7: Maximize use of natural resource protection measures and nature-based solutions as cost-effective means to reduce the impacts of hazards on people, property, and infrastructure.	200' Living Shoreline at MCKS Resort	Coastal losses, Floods, Sea Level Rise		\$153,059	NMMA Transformational Habitat Restoration Grant		In permitting phase	2023: Design 2024: Permitting & Construction	Pre application permit meetings have identified the opportunity to use the C&P process for 100% approval and we are requesting the NMPS4 from the Corps for exemption.	Moderate
The Nature Conservancy	Moderate	Goal 7: Maximize use of natural resource protection measures and nature-based solutions as cost-effective means to reduce the impacts of hazards on people, property, and infrastructure.	250' Golfing Living Shoreline	Coastal losses, Floods, Sea Level Rise		\$61,174	Wildlife Conservation Society Climate Adaptation Fund, Duke		Completed	2020: Construction 2017-2021: Monitoring	This living shoreline was installed 7 yrs ago and has shown significant success. Shoreline erosion was abated and marsh has almost completely regrown behind the structure. Additionally, larger oysters thrive on the structure.	Moderate
The Nature Conservancy	Moderate	Goal 7: Maximize use of natural resource protection measures and nature-based solutions as cost-effective means to reduce the impacts of hazards on people, property, and infrastructure.	Chestnut Bay Resilience Project	Floods		\$2.17M	FEMA BRIC		Pending Funding	Dependent on timing of BRIC funding	Deemed not eligible for FY23 BRIC due to Henry Co BRIC. Currently "Qualified for Further Review - Round 2" for BRIC FY21.	Moderate
The Nature Conservancy	Moderate	Goal 7: Maximize use of natural resource protection measures and nature-based solutions as cost-effective means to reduce the impacts of hazards on people, property, and infrastructure.	Church Creek Remediation Project	Floods		\$3.32M	NFWF National Coastal Resilience Funding, City of Charleston, South		Permitting and Construction underway	2020: NFWF Funding Received 2021-22: Project Design and Permitting 2023: Permitting and Construction	Constructed wetland on Mosley Ct. completed. Constructed wetland on Wolf Cr. and ecotidal pond at Bridgepoint still under technical review/permitting.	Moderate
The Nature Conservancy	Moderate	Goal 7: Maximize use of natural resource protection measures and nature-based solutions as cost-effective means to reduce the impacts of hazards on people, property, and infrastructure.	Nature-Based Coastal Resilience Implementation Plan	Hurricanes, Coastal losses, Floods, Sea Level Rise		\$3.69M	NMMA Transformational Habitat Restoration Grant		Not started yet	July 2023 - June 2024: Data collection, website development & community Ambassador recruitment. July 2024 - June 2026: stakeholder workshops & project development	Success of the work will be based on stakeholder & partnership buy-in, agreement on priorities for siting and ability to move forward on funding and constructing the project over the next 10 years. Will also require permitting agencies to understand intent and write permits for the marsh area NRIs in South Carolina.	Moderate
The Nature Conservancy	Moderate	Goal 7: Maximize use of natural resource protection measures and nature-based solutions as cost-effective means to reduce the impacts of hazards on people, property, and infrastructure.	Implement prescribed fire operations	Wildfires		\$250,000	USFS, NFWF, US Fish and Wildlife Service, Westhook, Smith Family Foundation		On-going, long term commitment	Annually between October and June	Smoke impacts, local infrastructure affecting outdoor burning (confusion between outdoor burning of yard debris and prescribed fire), convective and sustained burning, qualified capacity to conduct operations	Moderate
The Nature Conservancy	Moderate	Goal 7: Maximize use of natural resource protection measures and nature-based solutions as cost-effective means to reduce the impacts of hazards on people, property, and infrastructure.	Assist partners with prescribed fire operations	Wildfires		\$250,000	USFS, NFWF, US Fish and Wildlife Service, Google, Smith Family Foundation		On-going, long term commitment	Annually between October and June	Smoke impacts, local infrastructure affecting outdoor burning (confusion between outdoor burning of yard debris and prescribed fire), convective and sustained burning, qualified capacity to conduct operations	Moderate
The Nature Conservancy	Moderate	Goal 8: Enhance training, education, and outreach efforts focusing on the effects of hazards, importance of mitigation, and ways to increase resilience.	Prescribed Fire Training Exchange	Wildfires		\$200,000	USFS, NFWF, Resilience Townsaw Habitat Enhancement Program, DOI		12/1/2025	10/30/2023 to 11/09/2023	Planning phase began for delivery of training in the fall	Moderate
The Nature Conservancy	Moderate	Goal 5: Improve interagency coordination and planning to reduce the impacts of hazards on people and property.	Environmental Assessment (NEPA) for prescribed fire operations on Andrew Paterson Ranger District (US Forest Service)	Wildfires		\$50,000			Plan is being implemented	Completed	Scaling of growing season prescribed fire impacts	Moderate
The Nature Conservancy	Moderate	Goal 5: Improve interagency coordination and planning to reduce the impacts of hazards on people and property.	Environmental Assessment (NEPA) for increasing prescribed fire operations on Andrew Paterson Ranger District (US Forest Service)	Wildfires		\$100,000	Smith Family Foundation		Project is in public scoping	02/10/2022 through 6/2/2024	effects analysis complete	Moderate
The Nature Conservancy	Moderate	Goal 4: Collect and utilize data, including studies and analyses, to improve understanding to support hazard resilience and identify appropriate mitigation projects.	Black River Floodplain Valuation Study	Hurricanes, Coastal losses, Floods, Sea Level Rise		\$50,000.00	Dorothy and Gaylord Donnelly Foundation		Completed		Study shows that a 5-year storm would behave as a 100-year storm in the floodplains of the Black River watershed. The majority of flood storage resides in the current 5-year floodplains. Proposals to dam or alter stream or river channels should account for the lost floodplain storage in their cost-benefit analysis.	Moderate
The Nature Conservancy	Moderate	Goal 5: Implement policies and projects designed to reduce or eliminate the impacts of hazards on people and property.	Enoree Ranger District Culvert Removal Design	Floods		\$104,000.00	US Dept of Agriculture Joint Check/ Program		Financial plan and draft RFP development under way	July-Aug 2023: Develop and release RFP for up to 10 culvert upgrade designs. Sept 2023: Construction selection. Oct 2023 - Mar 2024: Develop design design reviews. Mar-May 2024: Design reviews. June 2024: Design complete, begin implementation (funding contingent)	Building level, match, and scope of work agreed upon between TNC and USDA, ready to start.	Moderate
The Nature Conservancy	Low	Goal 7: Maximize use of natural resource protection measures and nature-based solutions as cost-effective means to reduce the impacts of hazards on people, property, and infrastructure.	SC to Geo Tree Mitigation Program	Hurricanes, Coastal losses, Floods		\$250,000.00	Nature Conservancy Operations Dedees (many donors)		Renual 67 Prospective in review by US Army Corps of Engineers, and SC's Interagency Review Team	July-Aug 2023: Spectralist hired to develop program. Instrument Jan 2023 - Program launch 2027-28. Initial projects cited	creation timeline for USACE and interagency review make forward of project implementation(s) very difficult. Once awarded, we fully anticipate the program will implement projects which have hazard reduction components, particularly for floodplains	Low
The Nature Conservancy	Moderate	Goal 5: Implement policies and projects designed to reduce or eliminate the impacts of hazards on people and property.	Blue Wall Preserve Dam Removals	Hurricanes, Floods		\$1,000,000.00	Private donors (<1% of needed funding currently in-hand)		Final design and construction detail complete. NFWF 27 currently in-hand.	Mar-May 2024: RFP issued for dam removal sites. Jun 2024: Contractor selection. July-Dec 2024: Dam removal and stream channel restoration	Detailed planning and permitting essential to implementation is complete. Access to dam removal sites is currently obstructed by a failing bridge. Bridge replacement is required but creating additional funding challenges.	Moderate