

SECTION 7: MITIGATION ACTION PLANS

Action #	Action Description	Hazard(s) Addressed	Goal & Objective Addressed	Priority	Lead Agency / Department	Potential Funding Source	Implementation Timeline	2025 Status	2025 Implementation Status Comments
Property Protection									
PP-1	Seek funding to retrofit critical facilities and Town-owned facilities for improved resilience to all hazards with the use of the latest building materials and technology. This could include, but is not limited to: wind retrofits, low water consumption fixtures, leak detectors, backup generators, solar and battery electric storage systems, ignition-resistant materials, 320 or 361 compliant safe rooms, lightning protection, hail resistant roofing, and anchoring fixed building equipment.	All Hazards	4.2	Medium	Town of Carrboro - Planning Department	Self-funded; outside grants if available	2025-2030	Carried Forward	The Town will continue to assess facilities and seek funding sources related to needs identified.
PP-2	Manage watersheds and stormwater by promoting active maintenance of stormwater infrastructure, reducing impacts of increased impervious surfaces, and minimizing impact to waterways.	Flooding, Hurricane & Tropical Storm, Landslide	1.2	High	Town of Carrboro - Stormwater Division	Self-funded; outside grants if available	2025-2030	Carried Forward	Action Revised. The Town of Carrboro established a Stormwater Utility Fee in 2017 to fund stormwater services/operations and provide residential and commercial assistance for stormwater related issues by expanding technical assistance, outreach, and other program components. The Town has an active MS4 permit and is subject to requirements, including post-construction stormwater control measures. Stormwater control measures are often designed to exceed state minimum requirements.
PP-3	Look for opportunities to mitigate repetitive loss structures, and to increase resilience by ensuring critical infrastructure is not in locations susceptible to flooding.	Flooding	4.2	Medium	Town of Carrboro - Planning Department	Local, State grants, Federal grants	2025-2030	New	This mitigation measure includes pursuing the acquisition and/or elevation of flood prone properties, including repetitive loss properties and substantially damaged properties. Currently in discussions with one property owner and expect the process to begin in earnest in 2025. This mitigation measure also includes the possibility of relocating Carrboro Public Works.
Natural Resource Protection									
NRP-1	Development of greenways and parklands dedicated to public use along streams and utility easements. The Town will seek to secure funding from federal, state, and local sources to implement the Town's greenway system, which will in turn mitigate flood hazards.	Flood	1.1	Medium	Town of Carrboro - Planning Department	Federal and county grants, and Town funded.	2025-2030	Carried Forward	Phase 1B/Homestead-Chapel Hill High School Multi-use Path is completed. The Morgan Creek and Jones Creek greenway projects are expected to begin construction in 2025/2026. The Town will continue to develop greenways along streams to protect natural resources.
NRP-2	Protect and conserve land with environmental and natural hazard mitigation value as open space.	Flooding, Hurricane & Tropical Storm, Landslide	1.1	High	Town of Carrboro - Planning Department	Self-funded; outside grants if available	2025-2030	Carried Forward	Implementation underway for several projects and multiple approaches including land use regulations for developments, policy analysis/framework for comprehensive planning, and grant funding for repetitive loss properties.
NRP-3	Coordinate with OWASA for planning for long-term and emergency water supply measures.	All Hazards	1.1	High	Town of Carrboro - Fire Department	Self-funded	2025-2030	New	
Structural Projects									
SP-1	Require new developments to install electric, cable, and telephone wires underground to increase critical infrastructure resilience.	All Hazards	1.2	Medium	Town of Carrboro - Planning Department	N/A	2025-2030	Carried Forward	The Town of Carrboro will continue to require new developments to install electric, cable, telephone wires underground to the extent allowed by local utilities—Duke Power/Piedmont Electric Coop.

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SP-2	Implement drainage improvement projects to reduce flood risk.	Flooding	4.2	Medium	Town of Carrboro - Stormwater Division	State grants, federal grants	2025-2030	New	The Town has Capital Projects included in the adopted Capital Improvement Plan to implement public projects within the jurisdiction to manage stormwater within the community.
Emergency Services									
ES-1	Provide misting tents and cold-water giveaways at fire stations during extreme heat days.	Excessive Heat	2.2	Medium	Town of Carrboro Fire	General fund	2025-2030	New	Partial implementation in-progress. Will work to formalize actions based on pre-established thresholds.
ES-2	Develop a comprehensive Emergency Operations Plan update with integration of all three municipal Emergency Operations Plans.	All Hazards	3.1	High	Town of Carrboro – Fire Department	State grants, UHMA grants, other federal grants	2025-2027	New	
ES-3	Work with partners across Orange County on the development a Countywide Tactical Interoperable Communications Plan, addressing both voice communication and data.	All Hazards	3.1	Medium	Town of Carrboro – Fire Department	General Funds (existing staff salaries)	2025-2030	New	Research phase. Current plan is to implement mesh network or a similar technology for communications redundancy.
ES-4	Improve situational awareness and interagency coordination during hazard events by using mobile geospatial tools that support real-time data sharing, location tracking, and operational overlays that can support both public safety and non-public safety assets.	All Hazards	3.1	Medium	Town of Carrboro – Fire Department	General Funds (existing staff salaries)	2025-2030	New	Supporting Orange County Emergency Services efforts to transition to a new CAD system that will provide geospatial capabilities. Working with local response partners to enhance capabilities. Currently planning to implement Team Accountability Kit (TAK) for to increase situational awareness and improve inter-agency operations.
ES-5	Develop a unified damage assessment process.	All Hazards	3.1	Medium	Town of Carrboro – Fire Department	General Funds (existing staff salaries)	2025-2030	New	Work with local and regional response partners to enhance capabilities for damage assessment and tracking on a local and regional level.
ES-6	Develop a Continuity of Operations Plan (COOP) for the Town of Carrboro.	All Hazards	3.1	Medium	Town of Carrboro – Fire Department	General Funds (existing staff salaries)	2027-2030	New	Begin the COOP planning process after completion of the comprehensive EOP update.
ES-7	Engage in regional events, activities, and training opportunities related to natural hazards to improve communication, enhance partnerships, and improve planning efforts both within the across jurisdictions.	All Hazards	3.2	Medium	Town of Carrboro – Fire Department	General Fund (existing staff salaries)	2025-2030	New	Engage with local, regional, state, and federal emergency management services to increase capabilities and enhance interoperability.
ES-8	Identify and implement strategies, processes, and procedures to enhance hazardous materials leak and spill response capabilities.	Hazardous Materials	3.1	Medium	Town of Carrboro – Fire Department	General Fund (existing staff salaries)	2025-2030	New	
Public Education & Awareness									
PEA-1	Maintenance and implementation of adopted (2017) Community Climate Action Plan	All Hazards	1.2	High	Town of Carrboro - Sustainability Division	Self-funded; grants, other revenue as available	2025-2030	Carried Forward	Includes implementation of 2014 Energy and Climate Protection Plan. Will serve as coordinating focus of actions underscoring Town's emphasis on building community resilience. Could potentially be included under Structural Projects, Prevention and Property Protection as well.

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PEA-2	Create and maintain web-based resources for hazard risk, mitigation, and preparedness information.	All Hazards	1.2	High	Town of Carrboro – Fire Department	Self-funded	2025-2030	Carried Forward	A web page was created during the 2020-2025 implementation phase. Will update the page and add additional resources in the next implementation phase. This action item also includes utilization of social media and other web-based tools for public education.
PEA-3	Conduct periodic heat mapping to understand which parts of Carrboro are most vulnerable to excessive heat.	Excessive Heat	3.2	Medium	Town of Carrboro - Sustainability Division	General Fund	2025-2030	New	Partnering with UNC to conduct heat mapping in 2025.
PEA-4	Develop and begin implementing a countywide Heat Action Plan.	Excessive Heat	2.2	Medium	Town of Carrboro - Sustainability Division	General Fund (existing staff salaries)	2025-2030	New	Working with Orange County and other local partners to develop and implement a comprehensive Heat Action Plan.
PEA-5	Encourage and educate private property owners regarding Nature-Based Hazard Mitigation nutrient management.	Flooding, Hurricane & Tropical Storm, Landslide	2.1	Medium	Town of Carrboro - Stormwater Division	Self-funded	2025-2030	New	Conducted 90 property assessments and are developing conservation plans for those properties. Goal is to complete approximately 50 assessments and associated conservation plans annually.
PEA-6	Provide increased public outreach before, during, and after a natural hazard or emergency.	All Hazards	2.2	High	Town of Carrboro – Fire Department	General Fund (existing staff salaries)	2025-2030	New	