



## Mecklenburg County Multi-Jurisdictional Hazard Mitigation Plan 2023 Progress Report – Town of Pineville

### 1 Introduction

To maintain the Community Rating System (CRS) status within the National Flood Insurance Program, the **Town of Pineville** is required to provide an annual status update of the implementation of each of the mitigation actions the town proposed in the Mecklenburg County Multi-Jurisdictional Hazard Mitigation Plan (HMP). The objective of this evaluation is to ensure that there is a continual planning process that will keep the HMP plan dynamic and responsive to the needs and capabilities of the community.

The HMP was developed in response to requirements of the Disaster Mitigation Act of 2000. The initial version was completed in 2005 and, since then, there have been updates every five years. The current version of the plan was adopted by the Town Council on October 26, 2020 and approved by FEMA on December 3, 2020. A copy of the current HMP is available online via the link below:

<https://www.charlottenc.gov/files/sharedassets/city/public-safety/em/documents/2020-mecklenburg-county-mjhmp-final.pdf>

### 2 Implementation

The hazard mitigation planning process involves setting goals and objectives, reviewing community vulnerabilities and capabilities, and developing mitigation actions that would make the **Town of Pineville** more resilient during natural hazards. The goals and objectives of the 2020 plan includes:

- Identify and implement hazard mitigation projects designed to reduce the impact of future hazard events on existing critical facilities and infrastructure as well as public and private property.
- Conduct education and outreach activities intended to better inform people about hazards and encourage personal responsibility for preparedness and mitigation.
- Improve emergency preparedness and response capabilities.
- Enact planning and policy measures to reduce the impacts of identified hazards and make future development more resilient to hazards.

The implementation status of individual mitigation actions outlined in Section 7 of the plan is summarized in a tabular format in Section 6 (Review of Mitigation Actions) of this report.

### **3 Recommendations**

Implementation and maintenance of the plan is critical to the overall success of hazard mitigation planning. It is recommended that the CRS Coordinator work closely with the Charlotte-Mecklenburg Emergency Management Office (CMEMO) Planner and the Town of Pineville’s HMP Committee in all plan monitoring and update procedures to meet CRS requirements.

### **4 Justice40: The Need**

The Justice40 promise seeks to create an equitable recovery for Americans facing challenges created by aging infrastructure, a frayed social safety net, natural disasters, and the ongoing COVID-19 pandemic. Justice40 must address inequities that hinder a sustainable, just society, and that disproportionately harm low-income and communities of color across America.

<https://www.thejustice40.com/>

[https://www.fema.gov/sites/default/files/documents/fema\\_equity-webinar-final\\_8-17-21.pdf](https://www.fema.gov/sites/default/files/documents/fema_equity-webinar-final_8-17-21.pdf)

### **5 Dissemination**

This Progress Report will be made available to the Town of Pineville Town Council by November 22, 2023. The report will also be made available to the public at <https://www.pinevillenc.gov/planningmeetings/projectsevents/>. Additionally, copies are available at the Charlotte Mecklenburg Storm Water Services office located at 2145 Suttle Avenue, Charlotte, NC 28208. For more information, please call (980) 314-3236.

## 6 Review of Mitigation Actions

Action#	Mitigation Action	2023 Implementation Status Update
<b>Pineville- 1</b>	Seek grant 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, ignition-resistant materials, 320 or 361 compliant safe rooms, lightning protection, hail-resistant roofing, and anchoring fixed building equipment.	Mecklenburg County continues to implement mitigation actions identified in the Flood Risk Assessment and Risk reduction Plan. From July 2022 to September 2023, (ten) 10 flood-prone buildings were acquired and demolished at a cost of \$4.3 M (75.1% local / 18.8% federal / 6.1% state funding). Three (3) elevation projects were completed at a cost of \$403.7k (100% local / 0% federal / 0% state funding). There are two (2) active FEMA grants open and two (2) FEMA grants pending.
<b>Pineville- 2</b>	Seek grant funding to install backup generators or quick connect hook ups for mobile generators on any newly constructed county/town critical facilities.	New Town Hall facility has backup generator installed and operational.
<b>Pineville- 3</b>	Maintain continued compliance with the National Flood Insurance Program (NFIP) through implementation and periodic evaluation of the following higher regulatory standard (in addition to basic required compliance actions): a) Development standards linked to Community Floodplain (Future Conditions) b) Require critical facilities protection to 500- year flood levels c) Require parking lots to be elevated (no more than six inches deep in any parking space during Community Flood event) d) Require dry land access for new or substantially improved buildings (above Community Flood BFE) e) Levee restrictions f) Cumulative substantial damage improvement provision g) Prohibit basements below flood level on filled lots	Higher standards maintained. No ordinance updates or revisions made during 2022 to 2023 reporting period.  Charlotte-Mecklenburg Storm Water Services is exploring the use of 2D hydraulic modeling for future Countywide FIRM updates as well as regulatory floodway modeling. A pilot 2D flood modeling study of Little Sugar and Briar Creek watersheds started at the beginning of 2023 and is currently underway.
<b>Pineville- 4</b>	In coordination with CMSWS, continue participation in the NFIP Community Rating System (CRS) with the goal of increasing CRS credit points to become a Class 5 community or better within five years.	This goal is achieved. The Town of Pine has maintained participation in the CRS program and improved from CRS class 6 to a class 5 rating during the most recent CRS audit.
<b>Pineville- 5</b>	Advertise and promote the availability of flood insurance.	Annual “Floodplain Flash” newsletter distributed by USPS in December 2022. NFIP information is also presented through traditional media and social media throughout the year. NFIP information including Floodsmart.gov website, CRS discounts and Risk Rating 2.0 update are also posted on the CMSWS website.

<b>Pineville- 6</b>	Preserve lands subject to repetitive flooding.	The Mecklenburg County Flood Risk Assessment and Risk Reduction Tool (RARRT) is used to guide local mitigation program actions. Flood risk scores, mitigation priority scores and planning level mitigation techniques are used to identify properties for acquisition or in-place mitigation. Mitigation has been attempted on several properties with limited success.
<b>Pineville- 7</b>	Continue to limit future development in identified flood hazard areas and prohibit new critical facilities from being located with the 500-year floodplain as required in the Town’s flood damage prevention ordinance.	Town maintains Zoning and Subdivision Ordinances in partnership with Mecklenburg County to attain this goal.
<b>Pineville- 8</b>	Conduct cumulative impact analysis/studies for multiple development projects within the same watershed.	Staff continues to require extensive studies for development projects within watersheds.
<b>Pineville- 9</b>	In Progress: Continue to coordinate with CMEMO on an ongoing basis.	Continue to coordinate with CMEMO on an ongoing basis.
<b>Pineville- 10</b>	On an annual basis, coordinate with Charlotte-Mecklenburg Emergency Management on a widespread public outreach activity to provide information on all natural hazards facing the area to local residents, including methods for preventing damages from hazardous conditions and how to respond when an imminent hazard threatens.	Charlotte Mecklenburg County Stormwater Services held a Lunch and Learn workshop inviting Emergency Management staff, Town representatives, Storm Water staff and local meteorologist. Agenda included updates on NWS warning alerts, Mecklenburg County air quality data and local FINS pages.
<b>Pineville- 11</b>	On an annual basis, coordinate with Charlotte-Mecklenburg Emergency Management to provide information on all natural hazards facing the area to local planning staff and elected officials. This should be combined with an annual progress report on the status of local mitigation actions as identified in the Multi-jurisdictional Hazard Mitigation Plan.	All Hazards Advisory Committee (AHAC) Conference held 09-21-23
<b>Pineville- 12</b>	Acquire safe sites for public facilities, including schools, police, and fire stations, etc.	Belle Johnston Community Center can function as a safe site and any other current or future public facilities that qualify.
<b>Pineville- 13</b>	Develop early warning system for hazard events.	In April 2021, Mecklenburg County in partnership with the Department of Homeland Security – Science and Technology Directorate implemented a real-time flood inundation mapping system utilizing real-time stream height data transmitted from low-cost flood sensors and USGS stream gauges. This effort complemented the existing early Flood Information & Notification System (FINS). The inundation mapping system is based on data developed from the H&H models, elevation certificate information and topography. The system provides real-time flood intelligence that can be shared with Emergency Management and other agencies to improve early flood warning, flood disaster response, and recovery. In addition to a local USGS stream gauge, two flood sensors were installed in the town of

		Pineville to warn town staff when flood waters are threatening two of the town's critical facilities.
<b>Pineville-14</b>	Develop traffic response plan addressing how to deal with traffic in a commercial area for ingress/egress in the event of a disaster or emergency.	The Police Department has traffic control measures in place. The Town also re-aligned a traffic light for better and more efficient traffic flow.