



## **Mecklenburg County Multi-Jurisdictional Hazard Mitigation Plan Annual Progress Report (2018) - 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 plan was originally developed in 2005 and subsequently updated in 2010 and again in 2015. The current plan was adopted by Town Council on September 08, 2015 and is set to expire in June 2020. The plan is available online at <http://www.charmeckem.net>.

The objective of this evaluation is to ensure that there is a continual and responsive planning process that will keep the HMP plan dynamic and responsive to the needs and capabilities of all the jurisdictions. The Planning Team held a meeting on May 17, 2018 to review the status of mitigation actions being implemented or proposed by the participating CRS jurisdictions.

### **2 Implementation**

Most of the mitigation actions proposed in chapter nine (9) of HMP are completed or on schedule. Some completed actions are ongoing operations within the Town of Pineville as shown in Section 5 (Review of Mitigation Actions) of this report. Very few actions have associated delays in the implementation which is attributed to budgeting and prioritization issues with other programs.

### **3 Recommendations**

Obsolete and somewhat redundant mitigation actions in 2005/2010 update are recommended be deleted in the next HMP plan update (in 2020). For further details, see Section 5 (Review of Mitigation Actions) of this report. No new mitigation projects or revisions/amendments to the HMP plan have been proposed.

### **4 Dissemination**

The Town of Pineville's 2018 HMP Progress Report will be submitted to Town Council at a formal meeting in July 10, 2018 and thereafter made available to the public as of July 2, 2018 via the web link: <http://www.pinevillenc.gov/Departments/PlanningZoning/tabid/128/Default.aspx>. Additionally copies will be made available at the Pineville Planning Department located at 200 Dover Street, Pineville, NC 28134. For more information, please call (704) 889-2202.

## 5 Review of Mitigation Actions

Action#	Mitigation Action	2018 Update
<b>2015 MITIGATION ACTIONS</b>		
<b>MA01</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.	<b>In progress:</b> Mecklenburg County retroFIT flood hazard mitigation grant program rolled out in FY16 project to identify and partially fund various mitigation projects using techniques such as floodproofing. .
<b>MA 02</b>	Seek grant funding to install backup generators or hook ups for mobile generators on any newly constructed county/town critical facilities.	<b>No Activity:</b> No new critical facilities have been planned/constructed
<b>ONGOING 2010 MITIGATION ACTIONS</b>		
<b>MA01</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	<b>Completed/Ongoing:</b> Municipal Ordinance Updates to City, County, and town floodplain ordinances completed as Flood Insurance Rate Map revisions become effective. Staff participated in FEMA/NCDEM training E273 “Managing Floodplain Development through the National Flood Insurance Program”.
<b>MA02</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 of better within five years.	<b>In Progress:</b> Maintained programs to remain Class 6. Researched 2017 CRS manual to prepare for upcoming 2018 Annual CRS recertification.

<b>MA03</b>	<p>Minimize the potential for future storm water flooding throughout the Town by means of the following actions:</p> <ol style="list-style-type: none"> <li>1. Encourage residents to keep storm drains clear of debris during/after storms;</li> <li>2. Routinely clean storm water drains; and</li> <li>3. Repair storm water drains as necessary.</li> </ol>	<b>Completed/Ongoing</b>
<b>MA04</b>	Advertise and promote the availability of flood insurance.	<b>In Progress:</b> Annual “Floodplain Flash” newsletter distributed by USPS in May 2015, 2016 & 2018.
<b>MA05</b>	Encourage clustering of residential lots outside of known hazard areas through the development and use of subdivision design and review guidelines.	Completed: The Zoning Ordinance and overlay districts have been revised to control and organize development. The Subdivision Ordinance has been revised and updated to better reflect changes in Mecklenburg County’s Land Development practices.
<b>MA06</b>	Preserve lands subject to repetitive flooding.	<b>Completed:</b> The <u>Mecklenburg County Flood Risk Assessment and Risk Reduction Tool</u> (RARRT) is now used to guide local mitigation program actions. Flood risk scores, mitigation priority scores and planning level mitigation techniques were developed for all buildings with property touching the floodplain with updated floodplain maps. This data is now used to develop and prioritize local mitigation efforts.
<b>MA07</b>	Limit the percentage of allowable impervious surface within developed parcels.	<b>Completed:</b> The Town through the Zoning and Subdivision Ordinance as well as Mecklenburg County Storm water and Land Development regulates and manages impervious coverage.
<b>MA08</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.	<b>Completed:</b> Town maintains Zoning, Subdivision, and Storm water Ordinances to attain this goal.
<b>MA09</b>	Acquire or relocate structures subject to repetitive flooding.	<b>To be Deleted:</b> See 2010 Mitigation Action Item 6 above for status. This action will be deleted from the next plan update.
<b>MA10</b>	Conduct cumulative impact analysis/studies for multiple development projects within the same watershed.	<b>No Activity</b>
<b>MA11</b>	Continue to coordinate with CMEMO on enhancements to the Town’s early warning system and procedures for imminent hazard events.	<b>Completed/ Ongoing:</b> Charlotte-Mecklenburg Emergency Management provided Disaster Preparedness outreach information to Towns in 2017-2018, including maintenance of Emergency Notification System and the associated Policy Board.

MA12	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.	<b>Completed/ Ongoing:</b> Charlotte-Mecklenburg Emergency Management provided Disaster Preparedness outreach information to Towns in 2017-2018, including maintenance of Emergency Notification System and the associated Policy Board.
MA13	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.	<b>Completed/ Ongoing:</b> Email notifications and website information provided to municipalities in 2017. Additional outreach and education to Elected Officials planned for 2018-2019. Disaster Preparedness outreach information provided to Towns in 2017-2018, including maintenance of Emergency Notification System and the associated Policy Board. CMSWS hosted May 2018 planning meeting for participating CRS jurisdictions. EM still to host fall 2018 planning committee meetings for all jurisdictions.
<b>ONGOING 2005 MITIGATION ACTIONS</b>		
MA03	Acquire safe sites for public facilities, including schools, police and fire stations, etc.	<b>Completed/ Ongoing:</b> Belle Johnston Community Center can function as a safe site and any other current or future public facilities that qualify.
MA04	Develop early warning system for hazard events.	<b>In progress:</b> Additional stream stage sensors will be installed to provide more stream height data to be used in H&H model calibration and automated real-time flood inundation mapping.
MA05	Encourage residents to keep storm drains clear of debris during storms.	<b>Completed/ Ongoing:</b> Citizens are continually being notified about how it is important not to throw clippings and other items down storm drains. The Town actively cleans and maintains storm water drains.
MA06	Advertise and promote the availability of flood insurance.	<b>To Be Deleted:</b> See 2010 Mitigation Action Item 4 above for current status. This action will be deleted from the next plan update.
MA07	Develop a “natural runoff” or “zero discharge” policy for storm water in subdivision design regulations.	<b>Completed:</b> As adopted in storm water and land development ordinances
MA08	Limit the percentage of allowable impervious surface within developed parcels.	<b>Completed:</b> Pineville has adopted a Post-Construction Storm Water ordinance that limits allowable impervious surface by requiring undisturbed open space and requiring treatment of storm water run-off for development that exceeds 24% impervious area.
MA09	Routinely clean debris from support bracing underneath low-lying bridges.	<b>Completed/ Ongoing:</b> The Public Works Department in coordination with Mecklenburg County and NCDOT routinely checks the supports of the bridges in Town. If any material is stuck, they will clear it out to prevent any clogging and backups. No new actions have been implemented.

<b>MA10</b>	Routinely inspect the functioning of fire hydrants.	<b>Completed:</b> The Volunteer Fire Department checks the fire hydrants regularly.
<b>MA11</b>	Provide training for 911 dispatchers during natural disasters.	<b>Completed:</b> This continues to be a part of normal training practices for 911 dispatchers. No new action steps have been undertaken.
<b>MA12</b>	Train emergency responders and managers for flood emergencies.	<b>Completed/ Ongoing:</b> This continues to be a part of normal training practices for Police and Fire Departments. No new action steps have been undertaken.
<b>MA13</b>	Equip emergency responders and managers for flood emergencies.	<b>Completed:</b> The Town has now implemented a Capital Improvements Program to help pay for new equipment for the Police and Fire Departments and other major expenditures to prepare for flood and other emergencies.
<b>MA14</b>	Train staff and educate the community on local vulnerability to hazards.	<b>Completed/ Ongoing:</b> Staff continues to work with CMSWS to educate citizens on different hazards. The bi-monthly newsletter is the main conduit through which education efforts are handled. No new efforts have been undertaken.
<b>MA18</b>	Improve the level of coordination between the GIS Department and other departments.	<b>Completed:</b> The Town has purchased, and regularly uses, a Large Format Scanner to assist with maps and general coordination as new information is available.
<b>MA20</b>	Encourage clustering of residential lots outside of hazard areas through the use of subdivision design and review guidelines.	<b>To be Deleted:</b> See 2010 Mitigation Action Item 5 above for current status. This action will be deleted from the next plan update.
<b>MA21</b>	Acquire or relocate structures subject to repetitive flooding.	<b>To be Deleted:</b> See 2010 Mitigation Action Item 6 above for current status. This action will be deleted from the next plan update.
<b>MA22</b>	Preserve lands subject to repetitive flooding.	<b>To Be Deleted:</b> See 2010 Mitigation Action Item 6 above for current status. This action will be deleted from the next plan update.
<b>MA24</b>	Conduct cumulative impact analysis/studies for multiple development projects within the same watershed.	<b>To Be Deleted:</b> See 2010 Mitigation Action Item 10 above for current status. This action will be deleted from the next plan update.
<b>MA28</b>	Develop traffic response plan addressing how to deal with traffic in a commercial area.	<b>Completed/ Ongoing:</b> The Police Department has traffic control measures in place. The Town is currently working on re-aligning a traffic light for better and more efficient traffic flow.