

Albemarle Regional Hazard Mitigation Plan
Hazard Mitigation Planning Committee Meeting

Tuesday, February 26, 2019-10:00 AM
Meeting Minutes

Landin Holland called the meeting to order at 10:00 am in the Town of Edenton Town Council Chambers.

Present

Refer to the attached sign in sheet.

Introduction

Mr. Holland introduced himself and provided an explanation of the overall project, as well as the project team that will be working through the Planning Process.

Presentation

Mr. Holland provided a presentation that detailed project partners, project schedule, and plan content. The presentation has been attached as a component of these minutes. An overview of the project schedule was discussed, including a potential timeframe for the second meeting.

Questions

Mr. Holland advised everyone that there needed to be a primary and secondary staff member for non-Community Rating System (CRS) communities. Mr. Holland went on to say that local units of government that are participants in the CRS program must identify the primary and secondary staff members, as well as two citizen stakeholders. The defined stakeholders should not be elected officials.

Adjourn

There being no further business to conduct, Mr. Holland adjourned the meeting at 11:00 AM.

Albemarle Regional Hazard Mitigation Plan
 Hazard Mitigation Planning Committee Kick-Off Meeting

Tuesday, February 26, 2019, 10:00 AM

| | | |
|-----|--------------------|--------------------------------|
| 21. | Anne Marie Knight | Town of Edenboro |
| 22. | Fred Yates | Town of Winfall |
| 23. | Elizabeth Bryant | Town of Edenton |
| 24. | Dina H. White | Town of Harrellsville |
| 25. | Shelley Cox | Pasq. Camden Planning |
| 26. | Agan P. Noah | Emergency Mang. |
| 27. | Kerry McDuffie | Town of Ahoskie |
| 28. | Florie Brickhouse | Town of Ahoskie |
| 29. | Hellen Long | CITY OF ELIZABETH CITY |
| 30. | CHRIS SMITH | HELFORDS COUNTY - EM |
| 31. | ELI MONTFORT | GATES COUNTY EM |
| 32. | Billy Winn | GATES COUNTY / TOWN GATESVILLE |
| 33. | Penny Turner Hall | Town of Cotfield |
| 34. | CARL PIERCE | Town of Winton |
| 35. | Rhonda Money | Perquimans County |
| 36. | Brandon Short | Chowan County |
| 37. | DAVIN STEPHENS SR. | TOWN OF COMO |
| 38. | Carolyn Brown | Town of Murfreesboro |
| 39. | HAL THOMAS | Town of Morfeeshad |
| 40. | CHRIS CREW | NCEM |
| 41. | | |



Albemarle Regional HMP

Hazard Mitigation Planning Committee Meeting
February 26, 2019



Participants

- Camden County
- Chowan County*
 - Edenton*
- Gates County*
 - Gatesville*
- Hertford County
 - Ahoskie
 - Cofield*
 - Como
 - Harrellsville
 - Murfreesboro
 - Winton
- Pasquotank County
 - Elizabeth City
- Perquimans County
 - Hertford*
 - Winfall*

*Need representatives

What is Hazard Mitigation?

“Hazard Mitigation is any action taken to reduce or eliminate the long-term risk to human life and property from natural hazards.” (44 CFR 206.401)



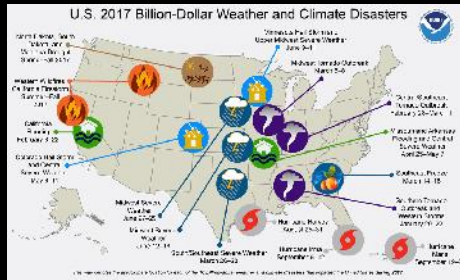
Hazard Mitigation Plan Update Requirement

Disaster Mitigation Act of 2000: 44 CFR 201.6/HMGP Grant Process

- Communities are required to update their hazard mitigation plans every 5 years to remain eligible for federal disaster funding
 - Any federally declared disaster in the State of North Carolina means the county and municipal jurisdictions in the Albemarle Region are eligible to apply for funding

Having an updated plan ensures that the county and municipal jurisdictions will be ready with mitigation project ideas whenever funding becomes available

Trends in Disasters



- Population and Community Growth
 - More people living in hazardous areas
 - Greater exposure to risk
 - People, infrastructure, buildings
- More Hazards (technological, civil, terrorism)
- Continual increase in expenses
- More disaster declarations

Trends in Disasters (cont.)

| | |
|----------------------------------------------|-------------------------|
| Hurricanes Katrina / Rita (TX, LA, MS, 2005) | \$165 billion |
| Hurricane Harvey (TX, 2017) | \$127.5 billion |
| Hurricane Maria (PR, 2017) | \$91.8 billion |
| Florida Hurricanes (4, in 2004) | \$73.2 billion combined |
| Super Storm Sandy (NJ, NY + others, 2012) | \$72.2 billion |
| Hurricane Irma (FL, SC, 2017) | \$51 billion |
| Hurricane Andrew (FL, LA, 1992) | \$49.4 billion |
| U.S. Drought/Heatwave (1988) | \$43.6 billion |
| Midwest Floods (9 states, 3 regions, 1993) | \$37.1 billion |
| Hurricane Ike (TX + 10 others, 2008) | \$35.7 billion |
| Northridge Earthquake (CA, 1994) | \$20 billion |
| Hurricane Hugo (NC, SC, PR, VI, 1989) | \$18.7 billion |
| Hurricane Matthew (East Coast, 2016) | \$10.6 billion |
| Hurricane Floyd (NC + 11 others, 1999) | \$9.9 billion |

Estimated figures from NOAA's NCEI for all direct damages/costs, CPI adjusted to 2018 dollars

- Too early for estimates on Hurricanes Florence and Michael

Federal and State Requirements

- DMA Planning – What it is and Why it's important
 - Continued eligibility for mitigation funds, pre- and post-disaster funding
 - Guide mitigation activities in a coordinated & economical manner
 - Incorporate into other existing planning mechanisms
 - Future development: plan and build wisely
 - Reduce losses
 - Make community more disaster resistant
 - Tied to public assistance

Planning Requirements

FEMA's DMA 4 Planning Phases:

- Phase 1: Organize Resources
- Phase 2: Risk Assessment
- Phase 3: Develop a Mitigation Plan
- Phase 4: Adoption and Implementation



Planning Requirements (cont.)

- Blend of 3 planning processes
 - Disaster Mitigation Assistance
 - Flood Mitigation Assistance
 - Community Rating System
- 10 planning steps
 1. Organize to prepare the plan
 2. Coordinate with other agencies
 3. Involve the public
 4. Assess the hazards
 5. Assess the problem
 6. Set goals
 7. Review possible activities
 8. Draft an action plan
 9. Adopt the plan
 10. Implement, evaluate, revise

| FEMA Phases | Hazard Mitigation Grant and Pre-Disaster Mitigation Grant Programs (DMA, 44 CFR 201) | Flood Mitigation Assistance Program (44 CFR 78.5) | Community Rating System Floodplain Management Planning (10-Step Process) |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Phase I Organize Resources | Coordination among agencies | Coordinate with other agencies or organizations | Organize to prepare the plan |
| | Integration with other planning efforts | Involve the public, including a description of the planning process. Public involvement may include workshops, public meetings, or hearings. | Coordinate with other agencies |
| Phase II Assess Risks | Involve public throughout the planning process | | Involve the public |
| | Identify all hazards | Flood hazard area inventory that identifies the flood risk, including estimates of the number and types of structures at risk and repetitive-loss properties | Assess the (flooding) hazard |
| | Profile hazard events | | |
| Phase III Develop the Mitigation Plan | Assess vulnerability | Problem identification, including a description of the existing flood hazard, the extent of flood depth and damage potential, and the applicant's floodplain management goals. | Assess the problem |
| | Estimate potential losses | | |
| Phase IV Implement and Monitor Progress and Project Management/Project Tracking | Documentation of planning process | | Set goals |
| | Capability assessment | Review of possible mitigation actions, including the identification and evaluation of cost-effective and technically feasible mitigation actions | Review possible activities |
| | Develop hazard mitigation goals | | |
| | Identification and analysis of mitigation measures | | Draft an action plan |
| Phase IV Implement and Monitor Progress and Project Management/Project Tracking | Funding sources | | |
| | Adoption | | Adopt the plan |
| | Implementation of mitigation measures | Documentation of the formal plan adopted by the legal entity submitting the plan (e.g., governor, mayor, county executive) | Implement, evaluate, and revise the plan |
| Phase IV Implement and Monitor Progress and Project Management/Project Tracking | Monitoring, evaluating, and updating the plan | | |
| Phase IV Implement and Monitor Progress and Project Management/Project Tracking | Continued public involvement | | |

Scope of Work

- The plan will include all required elements, as defined in the FEMA Local Mitigation Plan Review Guide
- The plan will meet or exceed the final rule for local mitigation planning found in 44 CFR, Section 201.6, in order to be approved by FEMA
- Natural hazards assessed in the plan coordinate with the current FEMA-approved State Mitigation Plan
- The plan will include natural and human-caused hazards and mitigation measures
- The plan will incorporate local climate adaptation data and findings.

Risk Management Tool (RMT)

- Vulnerability Assessment: Findings will be cross-referenced with NCEM Integrated Hazard Risk Management data that is provided through the tool
- Document Preparation: Plan will be drafted in the RMT so that all data can be collected and compiled digitally
- Plan Maintenance: Monitoring and updates will be able to easily reference the data from this plan

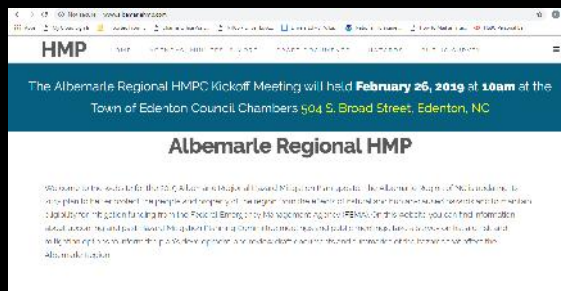
Project Schedule

- HMPC Meetings
 - Kickoff Meeting – February 26, 2019 (Edenton)
 - HMPC Meeting #2 – Week of March 15th
 - HMPC Meeting #3 – Mid-May
 - HMPC Meeting #4 – Early June
- Public Meetings
 - Public Meeting #1 – Following 2nd HMPC Meeting
 - Public Meeting #2 – Following 4th HMPC Meeting
- Submit Final Draft Plan to NCEM for review by July 31st

Plan Website

www.AlbemarleHMP.com

- Upcoming Meeting Announcements
- Meeting Agendas & Minutes
- Public Survey
- Draft Documents
- Information on the Identified Hazards
- Opportunity to Provide Comments and Feedback



Additional Next Steps

- Share the link to the plan website (www.albemarlehmp.com) on your local community webpages
- Next meeting to be scheduled for week of March 15th
- Prepare to discuss goals and strategies at the next meeting
- Complete plan survey
- Questions?

Contacts

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Thank You!

<http://www.albemarlehmp.com>