

MEMO

To: Gratiot County Hazard Mitigation Advisory Committee

From: Bill Ernat, EMCOG Regional Planner
Dan Morden, Gratiot County Emergency Management Coordinator

RE: Proposed Action List Items

Date: September 12, 2018

At the September meeting on the 11th, we continued our discussion on the action items (Chapter 6: Action List) for the Hazard Mitigation Plan update. Below is the list of items that have been identified to date. It consists of the 2010 Hazard Mitigation Plan items and the items from the community survey comments.

At the October meeting, we will be adding new items, based on current Gratiot County needs. To assist in the discussion, attached is a table identifying items from other communities. The column on the far right is Gratiot and includes the items previously discussed and approved for the Plan. The table was requested at the September meeting to provide some direction in seeking additional/new items for the plan update.

Please review the items and consider which items, if any, are appropriate for Gratiot County. If you cannot make the meeting but believe that there are items to include in the Plan, please contact Dan or Bill with your suggestions. See you in October.

If you have any questions on this exercise, please contact Dan at dmorden@gratiotmi.com or Bill at bernat@emcog.org.

Current List of Proposed Action Items

- Item 1 Promote the use of NOAA weather radios through the distribution of brochures at community events
- Item 2 Encourage the construction of public shelters
- Item 3 Encourage each municipality to update building and property maintenance codes
- Item 4 Upgrade the warning systems throughout County to be able to inform public for all hazards
- Item 5 Increase education regarding the importance of securing all structures as well as taking care of clutter to help eliminate flying debris
- Item 6 Work with local agencies to identify vulnerable populations. Using GIS, plot relationship of vulnerable populations with local shelters
- Item 7 Separate sanitary and storm sewers to prevent overflow during severe weather events, which can cause local flooding and public health issues
- Item 8 Expand the county drain capacity to help protect existing businesses and future business development
- Item 9 Encourage all municipalities to participate in National Flood Insurance Program (NFIP) and to adopt FEMA Floodplain maps
- Item 10 Encourage adopting zoning ordinances that enhance/preserve local floodplains
- Item 11 Reconstruct bridges and culverts and remove debris in waterways to eliminate obstructions to the floodway
- Item 12 Work with local municipalities to develop county-wide communication plan and to assure interoperability with first responders (fire, police and EMS)
- Item 13 Develop map layers identifying areas where hazardous materials are stored
- Item 14 Develop map layers identifying areas where critical infrastructure is located
- Item 15 Develop map layers identifying areas where previous hazardous events occurred
- Item 16 Educate Public of hazards and safety precautions
- Item 17 Provide training and exercises for first responders
- Item 18 Increase investment for first responders
- Item 19 Supplemental Emergency Operation Plans for communities
- Item 20 Continue to Develop Emergency Plans for Businesses, Schools, Governmental Facilities, and Special Events.
- Item 21 Install lightning protection devices at municipal facilities
- Item 22 Install sidewalks
- Item 23 Automate hydrological monitoring at the Pine River Gauge in Alma
- Item 24 Acquire and install 3 networked weather monitoring stations to collect real-time weather data to Central Dispatch

Action List items identified in Hazard Mitigation Plan updates completed by EMCOG

1. All-purpose warning sirens to be located throughout the County, as needed.		X	X		X	X	X
2. Construction of safe rooms (shelters) at campgrounds and mobile home parks.			X		X		X
3. Creation of fuel breaks in key locations throughout the County.		X			X		
4. Purchase/upgrade of Code Red/NIXLE software to be used to warn public of dangerous situations, etc.		X	X		X		
5. Complete the Community Wildfire Protection Plan for the County.	X				X		
6. Purchase portable electronic message signs.	X		X		X		
7. Investigate the use of the Intelligent Transportation System (ITS) to determine how it could be better utilized.			X		X		
8. Research the need for improving communications to the physically impaired, through the use of sign language and Braille.					X		
9. Purchase of weather radios-NOAA-schools, municipal buildings, nursing homes and other care facilities, hospitals and other healthcare facilities.	X	X	X	X	X	X	
10. Promote the need to develop emergency evacuation plans for special events, schools, governmental agencies, large employers, and businesses.	X		X		X	X	
11. Promote the need to complete disaster awareness/emergency planning, including but not limited to major storm events, public health emergencies, or hazard material spills, for special events, schools, governmental agencies, large employers, and businesses.	X		X	X	X	X	X
12. Purchase of generators-to be used for back-up power at warning sirens, municipal buildings, and other critical county governmental facilities.	X	X	X		X	X	
13. Installation of identification markers and water height gauges on recreational waterways.			X	X	X		
14. Develop a network of HAM radio operators throughout the County to notify public of hazardous events.					X	X	
15. Develop program to educate the public on the dangers of meth labs.					X		
16. Develop program to educate the public on responding to all hazards.					X		
17. Purchase of generators-to be used for back-up power at senior centers and other critical non-governmental agencies.	X	X			X		

18. Educate the public on the need to develop Family Disaster Plans. Educate the need for maintaining and distribute to the public Family Disaster Kits.			X		X		
19. Distribute public education booklets on disaster planning, include information to public campgrounds.					X		
20. Plant living snow fences along designated roadways.	X		X	X	X	X	
21. Increase tree-trimming efforts near utility lines.				X	X		
22. Promote an annual "Emergency Evacuation Day" to test/evaluate site emergency plans for schools, businesses, factories, medical facilities, governmental buildings, throughout the County.					X		
23. Complete a traffic study for problematic intersections and install, as appropriate, the proper traffic control devices to reduce traffic accidents.					X		
24. Wildfire training-for front line personnel.			X				
25. Firewise training-for communities.			X				
26. Advanced hazmat training-for responders.			X				
27. Training for first responders on addressing electric car hazards/emergencies.			X				
28. Anchoring of mobile homes.			X				
29. Dam repairs.			X				
30. Shoreline erosion measures.			X				
31. Work with fuel suppliers to develop a list of suppliers that can distribute fuel during power outages and other emergencies. Will also need to develop a list for natural gas distributors as well.			X				
32. Protect critical communication equipment/infrastructure from lightning strikes.			X				X
33. Emergency evacuation awareness for families with pets.			X				
34. Livestock emergency planning.			X				
35. Work with Amish representatives on providing notification in times of severe weather or other emergency situations.			X				
36. Enhance the warning and monitoring of systems in the water treatment plant.			X				
37. Establish avenues to report (rewards) for information preventing domestic and foreign terrorism/ incidents and sabotage.			X				

38. Tobacco Drain Project-Deepening, widening, clear of Tobacco Creek/Drain through Downtown Clare.	X						
39. The County Courthouse Security enhancement project- estimated cost is \$40,000.00, this program would involve adding security door hardware and alarms to all exit doors throughout the courthouse.	X						
40. GIS address mapping service-estimated cost is \$53,000.00, This process still needs all of the IT Aggregate work down to integrate the first phase of the flyover mapping.	X						
41. The Senior Internet Security Program offers senior citizens and their respective caregiver's essential senior cyber security and fraud education.	X						
42. Consumer's energy has an ongoing tree trimming initiative along power line ROW. The City of Mt. Pleasant has a tree trimming program on city property and along city street ROW.				X			
43. Renew CodeRed mass notification system contract and expand to integrate with IPAWS.				X			
44. Municipalities to continue to adopt and enforce the most recent edition of the State Construction Code.				X			
45. City Neighborhood Resource Unit (NRU) to add an additional ordinance enforcement officer and continue to target declining and blighted neighborhoods.				X			
46. County and City planning departments to continue review of zoning and land use regulations for needed revisions and actively enforce the regulations. The City to add an additional code enforcement officer to facilitate enforcement of site plans and special use permits.				X			
47. City to continue to identify areas of erosion along the Chippewa River especially near city streets and other infrastructure and take necessary erosion control measure as funding allows. Continue to seek grant funding for erosion control projects.				X			
48. City to continue seeking funding for the remediation and demolition of blighted buildings at the site of the previous Mount Pleasant Center. The NRU will continue to identify blighted properties and take necessary action to bring those properties into compliance with state and local regulations.				X			
49. Encourage communities to adopt and enforce the most recent edition of the International Fire Code.				X			

50. Encourage communities to continue adopting the most recent edition of the International Property Maintenance Code. Continue proactive enforcement of the housing licensing codes and the State of Michigan smoke detector law.				X			X
51. Seek grant funding to install video surveillance cameras in the student housing area at the north end of the CMU campus. Police and fire to continue to preplan major events and develop incident action plans.				X			
52. Continue to work with businesses and public facilities in the development and implementation of internal warning and response plans.				X			
53. Encourage EOC staff and first responders to participate with the Michigan Health Alert Network (MIHAN) for medical surveillance, monitoring and alerting.				X			
54. Construct additional firefighting facilities to help reduce response times for fires within the County.		X					
55. Purchase additional firefighting equipment for the firefighters.		X				X	X
56. Educate the public on the benefits of NIXLE and have them sign up for the service.		X					
57. Prepare the facilities for the installation of generators.	X	X					
58. Purchase of smoke detectors (and carbon monoxide detectors) for installing in every residence and business within the County.	X	X					
59. Purchase back-up battery packs for generators.		X					
60. Upgrade Wagerville Road in Sage Township to meet current road standards.		X					
61. Tower site improvements for VHF Public Safety communications	X						
62. Public education on underground water supply and wellhead protection programs	X						
63. Purchase back-up batteries for warning sirens	X						
64. Educate public on shelters and warning systems	X						
65. Replace older, damaged culverts throughout County as needed	X					X	X
66. Public education on chimney use/maintenance	X						
67. Work with Department of Environmental Quality (DEQ) on issuance of business permits	X						
68. Continued training for all first responders						X	X
69. Develop a program to educate public on manufacturing and use of controlled drugs						X	
70. Recruitment of fire fighters/EMS personnel						X	

71. Create an inventory of municipal equipment and services that can be utilized during emergencies						X	
72. Encourage the inclusion of hazard mitigation into other planning documents	X	X	X	X	X	X	
73. Promote the use of NOAA weather radios through the distribution of brochures at community events							X
74. Increase awareness regarding the importance of securing all structures as well as taking care of clutter to help eliminate flying debris							X
75. Work with local agencies to identify vulnerable populations. Using GIS plot relationship of vulnerable populations with local shelters.							X
76. Separate sanitary and storm sewers to prevent overflow during severe weather events, which can cause local flooding and public health issues							X
77. Expand the county drain capacity to help protect existing businesses and future business development							X
78. Encourage all municipalities to participate in the National Flood Insurance Program (FNIP) and to adopt FEMA floodplain maps							X
79. Encourage adopting zoning ordinances that enhance/preserve floodplain management							X
80. Work with local municipalities to develop county-wide communication plan and to assure interoperability with first responders (police, fire, EMS)							X
81. Develop map layers identifying areas where hazardous materials are stored							X
82. Develop map layers identifying areas where critical infrastructure is located							X
83. Develop map layers identifying areas where previous hazardous events occurred							X
84. Educate the public of hazards and safety precautions.							X
85. Supplemental Emergency Operation Plans for communities							X
86. Install Sidewalks							X
87. Purchase automated hydrological monitoring system at the Pine River Gauge in Alma							X
88. Acquire and install three networked weather monitoring stations to collect real-time weather data for central dispatch							X

X-Denotes that the item is on the county's action list.

■ -Denotes the county has completed that action list item