

Stone County Hazard Mitigation Plan Update Meeting #3

September 26, 2017
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Southwest Missouri Council of Governments



Southwest Missouri
Council of Governments

Outline

- ▶ Participation overview
- ▶ Process recap
- ▶ Mitigation Goals and Actions
- ▶ Future meeting dates

Local Plan Participation

- ▶ Attend a minimum of two Mitigation Planning Committee meetings
- ▶ Documentation of Time and Effort
- ▶ Adoption of the Hazard Mitigation Plan
- ▶ Complete Capabilities Survey
 - ▶ Current Plans
 - ▶ Additional Questions
 - ▶ Provide Insured Replacement Cost for Structures and Contents

Local Plan Participation

Stone County Jurisdiction Participation Information								
Jurisdiction	Meeting Attendance					Capabilities Survey	Time Sheet(s)	Adoption Resolution
	25-Jul	15-Aug	26-Sep	24-Oct	14-Nov			
Stone County	X	X				X	I	
Blue Eye								
Branson West	X	X						
Crane	X	X						
Coney Island								
Galena								
Hurley								
Indian Point								
Kimberling City	X	X				X	I	
McCord Bend								
Reeds Spring	X							
Blue Eye R-V								
Crane R-III								
Galena R-II								
Hurley R-I	X					X	I	
Reeds Spring R-VI		X						
Special Districts								
Southern Stone County Fire	X	X				X	I	
Stakeholders								
Kimberling Area Radio Club	X	X					I	
Stone County Health Department	X	X				X	I	

9 Tasks in the Planning Process

- ▶ Task 1: Determine the Planning Area and Resources → Completed
- ▶ Task 2: Build the Planning Team- Completed → YOU ARE THE TEAM!
- ▶ Task 3: Create an Outreach Strategy → July 25th
- ▶ Task 4: Review Community Capabilities → Questionnaire - any questions?
- ▶ Task 5: Conduct a Risk Assessment → August 15th
- ▶ Task 6: Develop a Mitigation Strategy → Today and meeting #4
- ▶ Task 7: Review and Adopt the Plan → Meeting #5 and on your own
- ▶ Task 8: Keep the Plan Current → That's YOU!
- ▶ Task 9: Create a Safe and Resilient Community → That's YOU!

Mitigation: Goals and Actions

- ▶ Goals are general guidelines that explain what you want to achieve. They are long-term, broad, policy-type statements.
- ▶ Mitigation Actions are specific actions that help achieve goals.
 - ▶ Losses from hazards can be reduced if communities take action before the next disaster
 - ▶ Long term and cumulative benefits
 - ▶ Some may be low-cost, readily adopted
 - ▶ Some may be dependent on available funding or best implemented following a disaster

Mitigation: Goals and Actions

▶ Hazards to address:

- ▶ Severe Thunderstorms
- ▶ Flooding: Riverine and Flash
- ▶ Tornadoes
- ▶ Dam Failure
- ▶ Drought
- ▶ Extreme Heat
- ▶ Wildfire
- ▶ Severe Winter Weather
- ▶ Sinkholes (land subsidence)
- ▶ Earthquake

Mitigation: Goals and Actions

▶ 2013 Plan Goals:

- ▶ 1) Protect the lives and livelihoods of all citizens.
- ▶ 2) Reduce the potential impact of natural disasters to property, infrastructure, and the local economy.
- ▶ 3) Ensure and enhance continued operation of government, emergency functions, and critical infrastructure in a disaster.

▶ 2013 Participating Jurisdictions:

- | | | |
|---------------------------|---------------------------|-----------------------------|
| ▶ Stone County | ▶ City of Hurley | ▶ Hurley R-I Schools |
| ▶ City of Branson West | ▶ Village of Indian Point | ▶ Galena R-II Schools |
| ▶ Village of Coney Island | ▶ City of Kimberling City | ▶ Crane R-III Schools |
| ▶ City of Crane | ▶ Village of McCord Bend | ▶ Reeds Spring R-IV Schools |
| ▶ City of Galena | ▶ City of Reeds Spring | ▶ Blue Eye R-V Schools |

Mitigation: Goals and Actions

- ▶ **Updating/Developing Mitigation Actions**
 - ▶ Previous Actions- status updates are required for ALL actions from previous plan - FEMA WILL NOT APPROVE WITHOUT
 - ▶ New Actions- add new actions as appropriate

Mitigation: Goals and Actions

- ▶ Goal 1) Protect the lives and livelihoods of all citizens.
- ▶ Goal 2) Reduce the potential impact of natural disasters to property, infrastructure, and the local economy.
- ▶ Goal 3) Ensure and enhance continued operation of government, emergency functions, and critical infrastructure in a disaster.

Do we want to keep these, edit, or remove and make new goals?

Mitigation: Goals and Actions

▶ Actions must be SMART

Specific
Measurable
Achievable
Relevant
Time-bound

Mitigation: Goals and Actions

► Goal 1) Protect lives and livelihoods of all citizens.

		Tornado/ TStorm	Flood	Winter	Drought	Heat Wave	Earthquake	Dam Failure	Wildfire	Sinkhole
1.2.1	Continue to maintain and operate existing outdoor warning sirens including areas that host large outdoor events and recreational activities throughout the county. (Maintain outdoor warning sirens in public areas)	X								
1.2.2	Seek and utilize funding mechanisms to establish and maintain programs enabling the distribution of low-cost NOAA all-hazard radios with S.A.M.E. technology for continuous operation in homes, businesses, schools, nursing homes and all facilities for public accommodation. (Seek resources and fund distribution of weather radios for all residents and businesses; Purchase and install NOAA weather radios in schools, government buildings, parks, etc.)	X	X	X	X	X			X	
1.2.3	Promote the purchase and continued use of NOAA all-hazard radios with S.A.M.E technology through outreach and education that includes programming methods enabling the broadcast of county specific warnings. (Promote the use of NOAA weather radios by all residents and businesses.)	X	X	X	X	X			X	
1.2.4	Promote local severe weather alert applications for mobile communications devices, such as; I-PAWS, Branson Severe Weather Alerts, KTTS, KSPR and KY3 Severe Weather Warnings. These should be in addition to, not in replace of NOAA all-hazard radios with S.A.M.E. technology. (Promote local severe weather alert applications for mobile communications devices.)	X	X	X	X	X				

Mitigation: Goals and Actions

- ▶ Goal 2) Reduce the potential impact of natural disasters to property, infrastructure and the local economy.

		Tornado/ TStorm	Flood	Winter	Drought	Heat Wave	Earthquake	Dam Failure	Wildfire	Sinkhole
2.1.1	Acquire, elevate or flood-proof properties and critical infrastructure within flood hazard areas where feasible.		X							
2.1.2	Encourage electric utilities providers to maintain looped distribution service and other redundancies to critical facilities and/or communications infrastructure (Relocate or underground electrical infrastructure.)	X	X	X		X	X			
2.1.3	Promote the establishment of Clean Energy Development Boards that enable cities and counties to provide upfront investment through Property Assessed Clean Energy (PACE) programs. (Remove?)	X		X		X				
2.1.4	Ensure that wastewater treatment systems in the communities will function during flood and drought events.		X		X					

Mitigation: Goals and Actions

- ▶ Goal 2) Reduce the potential impact of natural disasters to property, infrastructure and the local economy.

		Tornado/ TStorm	Flood	Winter	Drought	Heat Wave	Earthquake	Dam Failure	Wildfire	Sinkhole
2.2.1	Require construction permits for all new dams following methods and procedures that are consistent with the Department of Natural Resources Dam and Reservoir Safety Council . (Partner with and participate in dam emergency planning and exercises.)							X		
2.2.2	Encourage the adoption of measures to control runoff from developing areas outside the floodplain where ordinances have not been enacted. (Enforce measures to control runoff from developing areas outside the floodplain where ordinances have not been enacted.)	X	X							
2.2.3	The NFIP communities of Stone County, Coney Island, Crane, Galena, Hurley, Indian Point, Kimberling City, McCord Bend, and Reeds Spring will enforce floodplain management requirements, including regulating all new and substantially improved construction in the Special Flood Hazard Areas (SPFAs).		X							

Mitigation: Goals and Actions

- ▶ Goal 3) Ensure and enhance continued operation of government, emergency functions and critical infrastructure in a disaster.

		Tornado/ TStorm	Flood	Winter	Drought	Heat Wave	Earthquake	Dam Failure	Wildfire	Sinkhole
3.1.1	Encourage all elected officials, public administrators, community stakeholders and responders to participate in National Incident Management System (NIMS) training and compliance programs. (Promote and provide NIMS training and/or information for all elected officials, public administrators, school administrators, and community stakeholders.)	X	X	X	X	X	X	X	X	
3.1.2	Continue to enforce highly visible 911 addressing for residences and businesses through building and business permitting as well as public education of existing ordinances. (Educate the public on the importance of and enforce visible 911 addressing.)	X	X	X	X	X	X	X	X	X
3.1.3	Identify and inventory potential debris disposal and burning locations proximate to all developed areas of the county to facilitate recovery from large scale hazard events.	X	X	X			X	X		

Mitigation: Goals and Actions

- ▶ Goal 3) Ensure and enhance continued operation of government, emergency functions and critical infrastructure in a disaster.

		Tornado/ TStorm	Flood	Winter	Drought	Heat Wave	Earthquake	Dam Failure	Wildfire	Sinkhole
3.2.1	Implement burn restrictions during time of weather conditions conducive to the spread of wildfire.								X	
3.2.2	Integrate hazard mitigation into comprehensive and long range plans, capital improvement programs, zoning ordinances, subdivision and storm water management regulations.	X	X	X	X	X	X	X	X	X
3.2.3	Enhance strategies and coordinate with utility providers to manage encroachment of vegetation in easements and rights of way.	X		X						

Mitigation: Goals and Actions

- ▶ Goal 3) Ensure and enhance continued operation of government, emergency functions and critical infrastructure in a disaster.

		Tornado/ TStorm	Flood	Winter	Drought	Heat Wave	Earthquake	Dam Failure	Wildfire	Sinkhole
3.3.1	Continue to inventory alternative firefighting water sources and encourage additional services. <i>(Inventory alternative firefighting water sources.)</i>								X	
3.3.2	Continue to monitor and identify funding from state and federal programs for hazard mitigation activities. <i>(Monitor and identify funding from state and federal programs for hazard mitigation activities.)</i>	X	X	X	X	X	X	X	X	X
3.3.3	Continue to capitalize upon collaborative planning and compatible regulatory controls between the county and incorporated communities to promote infrastructure development practices that reduce the potential for property damage from natural hazard occurrence. <i>(Collaborate through planning and compatible regulatory controls to promote infrastructure development practices that reduce potential property damage from natural hazards.)</i>	X	X	X	X	X	X	X	X	X
3.3.4	Continue development of Geographic Information Systems (GIS) to further identify, analyze and map hazard prone areas to enhance decision making and facilities management for agencies and stakeholders.	X	X	X				X	X	X

Mitigation: Goals and Actions

	Tornado/ T-Storm	Flood	Winter	Drought	Heat Wave	Earthquake	Dam Failure	Wildfire	Sinkhole
Number of Previous Actions	23	18	19	13	16	10	11	14	8

Mitigation: Goals and Actions

▶ New Actions?

- ▶ Track & post high water marks & include procedures in emergency response plans (Flood)
- ▶ Purchase and install high water mark signage in appropriate locations following a flood. (Flood)
- ▶ Display floodplain information using a user friendly map on county website for use by residents. (Flood)
- ▶ Work with dam operators to ensure updated dam failure studies & emergency action plans are in place & local jurisdiction is aware of procedures. (Dam Failure)

Mitigation: Goals and Actions

▶ New Actions?

- ▶ Monitor drought conditions by identifying local drought indicators, such as precipitation, temperature, surface water levels, soil moisture, etc. (Drought)
- ▶ Require water conservation measures during a drought through ordinances that prioritize water use. (Drought)
- ▶ Create & maintain a database of individuals at high risk of death such as elderly, homeless, etc. (Winter Weather, Drought, Extreme Heat)
- ▶ Post signs to warn of low-water crossings. (Flood)
- ▶ Establish standards for all utilities regarding tree pruning around lines. (Winter Weather, Storms, Wildfire)
- ▶ Use local fire departments to conduct education programs in schools. (Wildfire)

Mitigation: Goals and Actions

▶ Any others to add?

Future Meetings

- ▶ Meeting 4: October 24, 1 p.m.
 - ▶ STAPLEE Scoring of Mitigation Strategies
 - ▶ Questions

- ▶ Meeting 5: November 14, 1 p.m.
 - ▶ Final Wrap-Up
 - ▶ Plan Maintenance

Draft Plan Submitted to SEMA: February 1, 2018
Final Plan Approval By: May 17, 2018

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For more information, visit our website:

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