

Polk County Hazard Mitigation Plan Update Kick-Off Meeting

December 13, 2017

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Southwest Missouri Council of Governments



Southwest Missouri
Council of Governments

Outline

- ▶ Introduction to Hazard Mitigation
- ▶ The Planning Process
- ▶ Participation Requirements
- ▶ Future Meeting Dates

What is Hazard Mitigation and why is it important?

- ▶ Mitigation - taking action now to reduce or eliminate long-term risk to human life and property from hazard events.
 - ▶ Examples - FEMA tornado shelters, low water crossing improvements, policies limiting construction in flood plain areas, river bank improvements
- ▶ Mitigation Planning - process for communities to...
 - ▶ Identify hazards to which they are at risk
 - ▶ Assess the potential impact
 - ▶ Develop goals, objectives, and actions to reduce impacts; and
 - ▶ Prioritize and implement mitigation actions

What is Hazard Mitigation and why is it important?

- ▶ Costs rising from natural disasters
 - ▶ Increased development - more exposure
 - ▶ Increased cost to the federal government
 - ▶ Increased frequency of natural disasters:
 - ▶ 1980s - 286
 - ▶ 1990s - 737
 - ▶ 2000s - 1,265
 - ▶ 2010-Present - 949

Polk County Disaster Declarations 1990-Present (14)

Disaster Number	Description	Declaration Date	Incident Period	Individual Assistance (IA) Public Assistance (PA)
4250	Severe Storms, Tornadoes, Straight-Line Winds, Flooding	January 21, 2016	December 23, 2015- January 9, 2016	Public Assistance
4238	Severe Storms, Tornadoes, Straight-Line Winds, Flooding	August 7, 2015	May 15 - July 27, 2015	Public Assistance
1980	Severe Storms, Tornadoes, and Flooding	May 9, 2011	April 19 - June 6, 2011	Public Assistance
1961	Severe Winter Storm and Snowstorm	March 23, 2011	January 31 - February 5, 2011	Public Assistance
1847	Severe Storms, Tornadoes, Flooding	June 19, 2009	May 8 - May 16, 2009	Public Assistance
1773	Severe Storms and Flooding	June 25, 2008	June 1 - August 13, 2008	Individual and Public Assistance
1749	Severe Storms & Flooding	March 19, 2008	March 17 - May 9, 2008	Individual and Public Assistance
1728	Severe Storms and Flooding	September 21, 2007	August 19 - August 21, 2007	Public Assistance
1676	Severe Winter Storms and Flooding	January 15, 2007	January 12 - January 22, 2007	Public Assistance
1524	Severe Storms, Tornadoes, and Flooding	June 11, 2004	May 18 - May 31, 2004	Individual Assistance
1463	Severe Storms Tornadoes, and Flooding	May 6, 2003	May 4 - May 30, 2003	Individual & Public Assistance
1412	Severe storms, Tornadoes, and Flooding	May 6, 2002	April 24 - June 10, 2002	Individual & Public Assistance
1253	Severe storms, Flooding, and Tornadoes	October 14, 1998	October 4 - October 11, 1998	Individual & Public Assistance
995	Severe storms and Flooding	July 9, 1993	June 10 - October 25, 1993	Individual & Public Assistance

The Disaster Mitigation Act of 2000

- ▶ Required by law for local governments to develop a hazard mitigation plan in order to receive funding for mitigation projects.
 - ▶ Funds available - 75/25
 - ▶ **Hazard Mitigation Grant Program (HMGP)** - assists in funding of mitigation projects during the reconstruction period after the declaration of a presidential disaster.
 - ▶ **Pre-Disaster Mitigation (PDM)**- provides funds on an annual basis for mitigation planning and the implementation of mitigation projects.
 - ▶ **Flood Mitigation Assistance (FMA)**- provides funds on an annual basis to reduce or eliminate risk of flood damage to buildings insured under the NFIP; repetitive and severe repetitive loss.
- ▶ Mitigation plans must be updated every five years to be eligible for mitigation funding

The Planning Process



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→ Today
- ▶ Task 4: Review Community Capabilities→ Questionnaire
- ▶ Task 5: Conduct a Risk Assessment → Meeting #2
- ▶ Task 6: Develop a Mitigation Strategy→ Meetings #3 and #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!

Risk Assessment

Natural Hazards

- ▶ Drought
- ▶ Dam Failure
- ▶ Earthquake
- ▶ Flood
- ▶ Heatwave
- ▶ Severe Land Subsidence (Sinkholes)
- ▶ Severe Thunderstorm
- ▶ Severe Winter Weather
- ▶ Wildfire
- ▶ Tornado

Hazard Profile

- ▶ Hazard Description
- ▶ Geographic Location
- ▶ Severity/Magnitude/Extent
- ▶ Previous Occurrences
- ▶ Probability of Future Occurrences

Vulnerability Assessment

- ▶ Vulnerability Overview
- ▶ Potential Losses to Existing Development
- ▶ Impact of Previous and Future Development
- ▶ Hazard Summary by Jurisdiction

Problem Statement

Develop Mitigation Strategies



- ▶ Reference completed questionnaires
- ▶ Risk Assessment
- ▶ Current needs of community
- ▶ Identify strengths and weaknesses

Review & Prioritize Mitigation Strategies

► STAPLEE score

- Social
- Technical
- Administrative
- Political
- Legal
- Economic Environmental

► Prioritizes and determines feasibility

SHOW-ME COUNTY MULTI-JURISDICTIONAL LOCAL HAZARD MITIGATION PLAN

Action Title:		Jurisdiction:
Action ID:		
STAPLEE Criteria	Evaluation Rating Definitely YES = 3 Maybe YES = 2 Probably NO = 1 Definitely NO = 0	Score
S: Is it Socially acceptable?		
T: Is it Technically feasible and potentially successful?		
A: Does the jurisdiction have the administrative capacity to execute this action?		
P: Is it Politically acceptable?		
L: Is there Legal authority to implement?		
E: Is it Economically beneficial?		
E: Will the project have either a neutral or positive impact on the natural environment? (score a 3 if positive impact, 2 if neutral impact)		
Will historic structures be saved or protected?		
Could it be implemented quickly?		
STAPLEE Score		

Mitigation Effectiveness Criteria	Evaluation Rating	Score
Will the implemented action result in lives saved?	Assign from 5-10 points based on the likelihood that lives would be saved.	
Will the implemented action result in a reduction of disaster damages?	Assign from 5-10 points based on the relative reduction of disaster damages.	
Mitigation Effectiveness Score		

Total Score (STAPLEE Score + Mitigation Effectiveness Score): _____

Priority Level: ☐ High (30+ points) ☐ Medium (25-29 points) ☐ Low (less than 25 points)

Completed by (name/title/phone #): _____

Adoption of Hazard Mitigation Plan

- ▶ Each participating jurisdiction is required to adopt hazard plan
 - ▶ Signed by a certified official
- ▶ Mail, email, or fax will be acceptable

Barry County, Missouri
Resolution # 91516

**ADOPTING THE BARRY COUNTY MULTI-JURISDICTIONAL
NATURAL HAZARD MITIGATION PLAN (UPDATED 2016)**

Whereas, The Barry County Commission recognizes the threat that natural hazards pose to people and property within our community; and

Whereas, undertaking hazard mitigation actions will reduce the potential for harm to people and property from future hazard occurrences; and

Whereas, the U.S. Congress passed the Disaster Mitigation Act of 2000 ("Disaster Mitigation Act") emphasizing the need for pre-disaster mitigation of potential hazards;

Whereas, the Disaster Mitigation Act made available hazard mitigation grants to state and local governments; and

Whereas, an adopted Local Hazard Mitigation Plan is required as a condition of future funding for mitigation projects under multiple FEMA pre- and post-disaster mitigation grant programs; and

Whereas, Barry County fully participated in the hazard mitigation planning process to prepare this Multi-Jurisdictional Local Hazard Mitigation Plan; and

Whereas, the Missouri State Emergency Management Agency and the Federal Emergency Management Agency Region VII officials will review the "Barry County Multi-Jurisdictional Local Hazard Mitigation Plan," and approved it as to form and content; and

Whereas, the Barry County Commission desires to comply with the requirements of the Disaster Mitigation Act and to augment its emergency planning efforts by formally adopting the Barry County Multi-Jurisdictional Local Hazard Mitigation Plan; and

Whereas, adoption by the governing body of Barry County demonstrates the jurisdictions' commitment to fulfilling the mitigation goals outlined in this Multi-Jurisdictional Local Hazard Mitigation Plan; and

Whereas, adoption of this legitimizes the plan and authorizes responsible agencies to carry out responsibilities under the plan;

Now, therefore, be it resolved, that the Barry County Commission has adopted the "Barry County Multi-Jurisdictional Local Hazard Mitigation Plan" as an official plan.

Date: 9-15-16

Certifying Official: Cheryl Warner

Keep the Plan Current & Create Safe Community

- ▶ FEMA requires a formal plan maintenance process to ensure that the mitigation plan remains an active and relevant document
- ▶ Your jurisdiction and County Emergency Management Officials
- ▶ Review plan and strategies annually

Participation Requirements

Participation

- ▶ In order to officially “participate” a jurisdiction must:
 - ▶ Complete Capabilities Assessment Questionnaire
 - ▶ A representative must be in attendance at a minimum of two meetings
 - ▶ Record in-kind time and complete timesheets
 - ▶ Adopt the Hazard Mitigation Plan
- ▶ Participation of your jurisdictions gives you access to grant funds provided by FEMA.

Mitigation Plan Funding

- ▶ SEMA covers 75% of the cost
- ▶ Grants require a 25% non-federal match
 - ▶ Local cash match
 - ▶ In-kind time and effort

Time and Effort Rates

- ▶ Hourly rate for volunteer time in Missouri:
 - ▶ \$21.57
- ▶ Federal mileage rate
 - ▶ 54¢ per mile

Time Sheets

- ▶ Fill out accurately
- ▶ Keep track of hours and mileage
 - ▶ Round up
- ▶ Elected officials **MAY NOT** count their time

IN-KIND DOCUMENTATION			
Barry County Multi-Jurisdictional Hazard Mitigation Plan 2016			
Reporting Month:		Month	Year
LABOR			
Date	Service Performed	Hours	Mileage (Roundtrip)
Total		0	0
Organization: Employee Name: Employee Title: Hourly Rate:		<div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="border: 1px solid black; height: 20px; width: 100%;"></div> <div style="display: flex; justify-content: space-between;"> <div style="border: 1px solid black; width: 10%; height: 20px;"></div> <div style="flex-grow: 1; text-align: center;">Total Labor Charge:</div> <div style="border: 1px solid black; width: 10%; height: 20px;"></div> <div style="flex-grow: 1; text-align: center;">Total Mileage Charge:</div> <div style="border: 1px solid black; width: 10%; height: 20px;"></div> </div>	
Comments: _____ _____			
_____ Employee Signature		_____ Supervisor Signature	

Future Meetings

- ▶ Meeting 2: January 17, 1:00 p.m.
 - ▶ Facilitated Risk Assessment Discussion
 - ▶ Questions
- ▶ Meeting 3: February 28, 1:00 p.m.
 - ▶ Review Goals, Objectives & Mitigation Strategies
 - ▶ Questions
- ▶ Meeting 4: March 14, 1:00 p.m.
 - ▶ STAPLEE Scoring of Mitigation Strategies
 - ▶ Questions
- ▶ Meeting 5: April 18, 1:00 p.m.
 - ▶ Final Wrap-Up
 - ▶ Plan Maintenance

Draft Plan Submitted to SEMA: May 2, 2018
Final Plan Approval By: September 27, 2018

Thank you for your time!

Any questions?

Contact Information

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For more information, visit our website
www.smcog.org