

CONTRIBUTORS

Pulaski County Hazard Mitigation Planning Committee

The individuals who participated in the Pulaski County hazard mitigation planning committee are as follows:

Jurisdictional Representatives

Name	Title	Department	Jurisdiction/Agency/Organization
Gene Newkirk	Presiding Commissioner	County Commission	Pulaski County
David Ernst	Pulaski County Clerk	County Clerk's Office	Pulaski County
Ryan Hicks	Emergency Management Director	Office of Emergency Mgt.	Pulaski County
Glen Smith	Mayor	Administration	City of Crocker
Mike Null	Mayor	Administration	City of Dixon
Glenda Pennington	City Clerk	Administration	City of Dixon
Rick Hobbs	Fire Chief	Fire Department	City of Richland
Anita Ivey	City Administrator	Administration	City of St. Robert
Steve Long	Director of Public Works	Public Works	City of St. Robert
Doug Yurecko	Fire Chief/EMD	Office of Emergency Management/ Waynesville Rural Fire Protection District	City of Waynesville
Ed Fowler	Fire Investigator	Waynesville Rural Fire Protection District	City of Waynesville
Duane Doyle	Superintendent	Administration	Dixon R-1
Dr. Gary Doerhoff	Superintendent	Administration	Crocker R-II
Dr. Randy Caffey	Superintendent	Administration	Laquey R-V
Doug Jacobson	Superintendent	Administration	Swedeborg R-III
Brian Lee	Superintendent	Administration	Richland R-IV
Dr. Chris Berger	Asst. Superintendent	Administration	Waynesville R-VI
Bill Cobb	Exec. Dir. Of Operations	Operations	Waynesville R-VI

*Sign in sheets from planning meetings are included in Appendix B.

The individuals who represented stakeholders on the Pulaski County hazard mitigation planning committee are as follows:

Participating Stakeholder Representatives

Name	Title	Agency/Organization
John Wright		Life Care of Waynesville
Brett Hendrix	Region I SEMA Area Coordinator	MO State Emergency Management Agency

TABLE OF CONTENTS

- Executive Summaryvi**
- Contributors i
- Table of Contents..... ii
- Prerequisites vi
- 1 Introduction and Planning Process1.1**
 - 1.1 Purpose1.1
 - 1.2 Background and Scope1.2
 - 1.3 Plan Organization1.2
 - 1.4 Planning Process.....1.3
 - 1.5 Multi-Jurisdictional Participation.....1.6
 - 1.6 The Planning Steps1.8
- 2 Planning Area Profile and Capabilities2.1**
 - 2.1 Pulaski County Planning Area Profile2.2
 - 2.1.2 Geography, Geology, and Topography2.4
 - 2.1.3 Climate.....2.9
 - 2.1.4 Population/Demographics2.9
 - 2.1.5 History.....2.13
 - 2.1.6 Agriculture.....2.15
 - 2.1.7 FEMA Hazard Mitigation Assistance Grants in Planning Area.....2.15
 - 2.2 Jurisdictional Profiles and Mitigation Capabilities2.24
 - Unincorporated Pulaski County.....2.24
 - City of Crocker2.27
 - City of Dixon2.30
 - City of Richland.....2.33
 - City of St. Robert.....2.36
 - City of Waynesville.....2.40

Public School District Profiles and Mitigation Capabilities	2.49
Critical Facilities	2.53
3 Risk Assessment	3.1
3.1 Hazard Identification	3.4
3.1.1 Review of Existing Mitigation Plans	3.4
3.1.2 Review Disaster Declaration History	3.7
3.1.3 Research Additional Sources	3.9
3.1.4 Hazards Identified	3.11
3.1.5 Multi-Jurisdictional Risk Assessment	3.12
3.2 Assets at Risk	3.12
3.2.1 Total Exposure of Population and Structures	3.12
3.2.2 Critical and Essential Facilities and Infrastructure	3.13
3.2.3 Other Assets	3.16
3.3 Future Land Use and Development	3.19
3.4 Hazard Profiles, Vulnerability, and Problem Statements	3.22
3.4.1 Dam Failure	3.25
3.4.2 Drought	3.34
3.4.3 Earthquakes	3.49
3.4.4 Extreme Temperatures	3.64
3.4.5 Wildfires	3.80
3.4.6 Flooding (Flash and River)	3.93
3.4.7 Land Subsidence/Sinkholes	3.115
3.4.8 Thunderstorm/High Winds/Lightning/Hail	3.125
3.4.9 Tornado	3.145
3.4.10 Winter Weather/Snow/Ice/Severe Cold	3.158
4 Mitigation Strategy	4.1
4.1 Goals	4.1

4.2 Identification and Analysis of Mitigation Actions.....	4.2
4.3 Implementation of Mitigation Actions	4.6
5 Plan Maintenance Process	5.1
5.1 Monitoring, Evaluating, and Updating the Plan	5.1
5.1.1 Responsibility for Plan Maintenance	5.1
5.1.2 Plan Maintenance Schedule.....	5.2
5.1.3 Plan Maintenance Process.....	5.2
5.2 Incorporation into Existing Planning Mechanisms.....	5.3
5.3 Continued Public Involvement	5.8
6 Appendix	6.1
A: References.....	6.2
B: Planning Process	6.6
C: Public Survey.....	6.43
D: Adoption Resolutions	6.63
E: Critical/Essential Facilities.....	6.78
F: MDC Wildfire Data Search	6.83

EXECUTIVE SUMMARY

The purpose of hazard mitigation is to reduce or eliminate long-term risk to people and property from hazards. Pulaski County and participating cities and school districts developed this multi-jurisdictional local hazard mitigation plan update to reduce future losses to the county and its communities and schools resulting from hazard events. The plan is an update of a plan that was approved on April 1, 2016. The original plan was approved in 2011. The plan was prepared pursuant to the requirements of the Disaster Mitigation Act of 2000 and to achieve eligibility for the Federal Emergency Management Agency (FEMA) Hazard Mitigation Assistance Grant Programs.

The county Multi-Hazard Mitigation Plan is a multi-jurisdictional plan that covers the following 12 jurisdictions that participated in the planning process:

- Pulaski County
- City of Crocker
- City of Dixon
- City of Richland
- City of St. Robert
- City of Waynesville
- Dixon R-I School District
- Crocker R-II School District
- Swedeborg R-III School District
- Richland R-IV School District
- Laquey R-V School District
- Waynesville R-VI School District

Pulaski County and the jurisdictions listed above have developed a multi-jurisdictional Hazard Mitigation Plan that was originally approved by FEMA in 2011 with an update approved by FEMA on April 1, 2016. This current planning effort serves as an update (hereafter referred to as the 2021 Hazard Mitigation Plan.)

The plan update process followed a methodology prescribed by FEMA, which began with the formation of a Mitigation Planning Committee (MPC) comprised of representative from Pulaski County and participating jurisdictions. The MPC updated the risk assessment that identified and profiled hazards that pose a risk to Pulaski County and analyzed the vulnerability to these hazards. The MPC also examined the capabilities in place to mitigate them. The MPC determined that the planning area is vulnerable to several hazards that are identified, profiled and analyzed in this plan. Riverine and flash flooding, winter storms, severe thunderstorms/hail/lightening/high winds and tornadoes are among the hazards that historically have had a significant impact.

Based upon the risk assessment, the MCP reviewed goals for reducing risk from hazards. The goals are listed below:

Goal 1: Reduce risks and vulnerabilities of people in hazard-prone areas through current technology, better planning and hazard mitigation activities.

Goal 2: Reduce the potential impact of natural disasters on new and existing properties and infrastructure and the local economy.

Goal 3: Promote education, outreach, research and development programs to improve the knowledge and awareness among the citizens and industry about hazards they may face, their vulnerability to identified hazards, and hazard mitigation alternatives that can reduce their vulnerabilities.

Goal 4: Strengthen communication and coordinate participation between public agencies, citizens, non-profit organizations, business, and industry to create a widespread interest in mitigation.

Goal 5: Establish priorities for reducing risks to the people and their property with emphasis on long-term and maximum benefits to the public rather than short-term benefit of special interests.

Goal 6: Secure resources for investment in hazard mitigation.

To meet the identified goals, the MPC developed recommended mitigation actions, which are detailed in Chapter 4 of this plan. The MPC developed an implementation plan for each action, which identifies priority level, responsible agency, timeline, cost estimate, potential funding sources and progress to date.

PREREQUISITES

44 CFR requirement 201.6(c)(5): The local hazard mitigation plan shall include documentation that the plan has been formally adopted by the governing body of the jurisdiction requesting approval of the plan. For multi-jurisdictional plans, each jurisdiction requesting approval of the plan must document that it has been formally adopted.

This plan has been reviewed by and adopted with resolutions or other documentation of adoption by all participating jurisdictions and schools districts. The documentation of adoptions is included in Appendix D.

The following jurisdictions participated in the development of this plan and have adopted the multi-jurisdictional plan.

- Pulaski County
- City of Crocker
- City of Dixon
- City of Richland
- City of St. Robert
- City of Waynesville
- Dixon R-I School District
- Crocker R-II School District
- Swedeborg R-III School District
- Richland R-IV School District
- Laquey R-V School District
- Waynesville R-VI School District

Model Resolution

RESOLUTION NO. _____

A RESOLUTION TO ADOPT THE PULASKI COUNTY MULTI-JURISDICTION NATURAL HAZARDS MITIGATION PLAN

WHEREAS, (Government/District) 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 emphasizing the need for pre-disaster mitigation of potential hazards and made available hazard mitigation grants to state and local governments; and

WHEREAS, an adopted Multi-Jurisdiction Natural Hazards 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, (Government/District) fully participated in the FEMA prescribed mitigation planning process to prepare this Mitigation Plan; and

WHEREAS, the Missouri State Emergency Management Agency and Federal Emergency Management Agency officials have reviewed the Pulaski County Multi-Jurisdictional Natural Hazards Mitigation Plan and approved it contingent upon this official adoption of the participating governing body; and

WHEREAS, (Government/District) desires to comply with the requirements of the Disaster Mitigation Act and to augment its emergency planning efforts by formally adopting the Pulaski County Multi-Jurisdiction Natural Hazards Mitigation Plan; and

WHEREAS, adoption by the governing body of (Government/District) demonstrates the jurisdiction's commitment to fulfilling the mitigation goals and objectives outlined in this Mitigation Plan; and

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

NOW, THEREFORE BE IT RESOLVED, that (Government/District) adopts the Pulaski County Multi-Jurisdictional Natural Hazards Mitigation Plan as an official plan and will submit this Adoption Resolution to the Missouri Emergency Management Agency and the Federal Emergency Management Agency officials to enable the plan's final approval.

Certifying Official

Date

Witness

Date