

Johnson County Multi-Hazard Mitigation Plan



FINAL PLAN

Developed by Johnson County with professional planning assistance from
AMEC Earth and Environmental
Hazard Mitigation and Emergency Management Program
Topeka, Kansas





SPECIAL THANKS AND ACKNOWLEDGEMENTS

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Appendix A: References

Appendix B: Planning Process Documentation

Appendix C: Critical Facilities by Jurisdiction in Johnson County (kept at JOEM)

Appendix D: Community Wildfire Assessment Report

Appendix E: HAZUS Dam Loss Estimation Maps

Appendix F: HAZUS Flood Loss Estimation Maps

Appendix G: Signed Resolutions of Adoption

Appendix H: STAPLEE chart



EXECUTIVE SUMMARY

The purpose of natural hazards mitigation is to reduce or eliminate long-term risk to people and property from natural and man-made hazards. Johnson County and participating jurisdictions developed this multi-hazard mitigation plan to reduce future losses to the County and its communities resulting from natural and man-made hazards. 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) Flood Mitigation Assistance, Pre-Disaster Mitigation, and Hazard Mitigation Grant Programs.

The Johnson County Multi-Hazard Mitigation Plan is a multi-jurisdictional plan that covers the following local governments that participated in the planning process:

- Johnson County
- City of De Soto
- City of Edgerton
- City of Fairway
- City of Gardner
- City of Lake Quivira
- City of Leawood
- City of Lenexa
- City of Merriam
- City of Mission
- City of Mission Hills
- City of Mission Woods
- City of Olathe
- City of Overland Park
- City of Prairie Village
- City of Roeland Park
- City of Shawnee
- City of Spring Hill
- City of Westwood
- City of Westwood Hills
- Unified School District 229 Blue Valley
- Unified School District 230 Spring Hill
- Unified School District 231 Gardner/Edgerton
- Unified School District 232 De Soto
- Unified School District 233 Olathe
- Unified School District 512 Shawnee Mission
- Kansas School of the Deaf
- Johnson County Community College
- University of Kansas Edwards Campus
- Special Districts
 - Consolidated Fire District #2
 - Fire District #1
 - Fire District #2
 - Rural Fire District #3

The County’s planning process followed a methodology prescribed by FEMA, which began with the formation of a Hazard Mitigation Planning Committee (HMPC) comprised of participating jurisdictions, and state and federal agencies. The HMPC conducted a risk assessment that identified and profiled hazards that pose a risk to Johnson County, assessed the County’s vulnerability to these hazards, and examined the capabilities in place to mitigate them. The County is vulnerable to several hazards that are identified, profiled, and analyzed in this plan. Tornadoes, floods, winter storm, and major disease outbreak are among the hazards that can have a significant impact on the County.

Based upon the risk assessment, the HMPC identified goals and objectives for reducing risk from hazards. The goals and objectives of this multi-hazard mitigation plan are to:

Goal 1: Reduce risk to the people and property of Johnson County from the impacts of natural and man-made hazards

- Manage growth and development in hazard-prone areas, including flood hazard areas
- Mitigate existing structures in identified flood hazard areas
- Identify and address community safe room and sheltering needs
- Strengthen emergency response capabilities

Goal 2: Protect critical facilities and other community assets from the impacts of hazards

- Assess vulnerability and prioritize projects to mitigate damage to critical facilities and infrastructure
- Protect transportation and access routes to all communities
- Reduce damage to utility lines due to severe weather events

Goal 3: Improve education and awareness about hazards and risk

- Use existing outreach methods to educate public about risk and preparedness measures
- Coordinate new workshops, exercises, and public forums to provide education about hazard risk and mitigation activities
- Continue and enhance partnerships with the business community

Goal 4: Strengthen communication between agencies and with the public

- Improve information dissemination to the public during and after emergency events
- Enhance sirens and warning systems
- Strengthen cooperation and mutual aid agreements
- Improve outreach and communication methods to all parts of Johnson County

To meet identified goals and objectives, the plan recommends the mitigation actions summarized in chapter 4. The HMPC also developed an implementation plan for each action, which identifies

priority level, background information, ideas for implementation, responsible agency, timeline, cost estimate, and potential funding sources.

The multi-hazard mitigation plan will be formally adopted by the Johnson County Commissioners and the governing bodies of each participating jurisdiction and will be updated within a five-year timeframe.

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.

Note to Reviewers: When this plan has been reviewed and approved pending adoption by FEMA Region VII the adoption resolutions will be signed by the participating jurisdictions and added in Appendix G. A model resolution is provided on the next page.

The following jurisdictions participated in the development of this plan and have adopted the multi-jurisdictional plan. Resolutions of Adoptions are included in Appendix G.

- Johnson County
- City of De Soto
- City of Edgerton
- City of Fairway
- City of Gardner
- City of Lake Quivira
- City of Leawood
- City of Lenexa
- City of Merriam
- City of Mission
- City of Mission Hills
- City of Mission Woods
- City of Olathe
- City of Overland Park
- City of Prairie Village
- City of Roeland Park
- City of Shawnee
- City of Spring Hill
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- Unified School District 230 Spring Hill
- Unified School District 231 Gardner/Edgerton
- Unified School District 232 De Soto
- Unified School District 233 Olathe
- Unified School District 512 Shawnee Mission
- Kansas School of the Deaf
- Johnson County Community College
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- Special Districts
 - Consolidated Fire District #2
 - Fire District #1
 - Fire District #2
 - Rural Fire District #3

Model Resolution

Resolution # _____ **Adopting the Johnson County Multi-Hazard Mitigation Plan**

Whereas, the (Name of Government/District/Organization seeking FEMA approval of hazard mitigation plan) 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 Multi-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, the (Name of Government/District/Organization) fully participated in the FEMA-prescribed mitigation planning process to prepare this Multi-Hazard Mitigation Plan; and

Whereas, the Kansas Division of Emergency Management and the Federal Emergency Management Agency Region VII officials have reviewed the “Johnson County Multi-Hazard Mitigation Plan,” and approved it contingent upon this official adoption of the participating governing body; and

Whereas, the (Name of Government/District/Organization) desires to comply with the requirements of the Disaster Mitigation Act and to augment its emergency planning efforts by formally adopting the Johnson County Multi-Hazard Mitigation Plan; and

Whereas, adoption by the governing body for the (Name of Government/District/Organization) demonstrates the jurisdictions’ commitment to fulfilling the mitigation goals and objectives outlined in this Multi-Hazard Mitigation Plan.

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 the (Name of Government/District/Organization) adopts the “Johnson County Multi-Hazard Mitigation Plan” as an official plan; and

Be it further resolved, the (Name of Government/District/Organization) will submit this Adoption Resolution to the Kansas Division of Emergency Management and Federal Emergency Management Agency Region VII officials to enable the plan’s final approval.

Passed: _____

Certifying Official