

Chapter 3: Capabilities Assessment

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Chapter 3: Capabilities Assessment

The purpose of the capabilities' assessment is to identify and consider each community's unique set of capabilities that currently reduce disaster losses or could be used to reduce losses in the future. For the purposes of this plan "community/jurisdiction" is used interchangeably and refers to all plan participants – cities, counties, special districts, school districts, colleges and universities. Capabilities include policies, plans, programs, staff, funding, and other resources available to accomplish mitigation and reduce long-term vulnerability.

3.1 Data Gathering Methods

To facilitate data gathering from the participating jurisdictions, online profile surveys were developed for communities and school districts based on the FEMA Capabilities Worksheets 4.1-4.3.ⁱ The survey instruments were created as online tools. Community and school profile survey instruments are included in **Appendix F**.

The survey tools collected information on the hazards communities face, their capabilities to support development and implementation of Mitigation Strategies, (**See Section 5: Mitigation Strategy**), existing planning mechanisms that were incorporated in the hazard mitigation planning process, information on how their jurisdiction might carry out safe growth and plans and policies and actions to demonstrate continued compliance with the requirements of the National Flood Insurance Program (NFIP).

The following subsections provide highlights from both community and school profile surveys completed by the 2025 Plan update participants. Sections 3.3.1 through 3.3.6 apply only to cities and counties; Section 3.3.7 applies only to school districts, colleges and universities.

- 3.3.1. Planning and Regulatory Capabilities**
- 3.3.2. Administrative and Technical Capabilities**
- 3.3.3. Financial Capabilities**
- 3.3.4. Education and Outreach Capabilities**
- 3.3.5. Safe Growth Audit**
- 3.3.6. Floodplain Management and NFIP Participation**
- 3.3.7. School District Capabilities**

Key observations:

The profile represents a snapshot of a community's mitigation capabilities and provides the foundation for inclusive mitigation planning. The 2025 profile survey used the 2020 plan survey tools as a foundation and was more comprehensive than prior assessments. As a result in some cases, the tools allowed for increased overall awareness of the variety of community plans that intersect with mitigation intent.

Planning and Regulatory: An added benefit of compiling this information into a regional plan is it allows a jurisdiction to compare their responses to other jurisdictions. This can be especially valuable for those jurisdictions who may not previously have considered developing or adopting the referenced plans for their own community or school district. It may offer opportunities in the future to expand mitigation planning efforts and reinforce successful implementation. The survey results also illustrate the complexity of planning within and across jurisdictions.

Administrative and Technical: Many jurisdictions possess a number of technical and administrative tools to support ongoing mitigation efforts. Codes, policies and ordinances can be extremely effective tools available to local government to control, to the extent possible, negative impacts from a variety of hazards. This is especially true for floodplain management, where most jurisdictions indicate they have effective measures in place. Smaller jurisdictions have more limited access to these tools, but generally also have more limited exposure to hazard risks. While nearly every jurisdiction has emergency management staff, 35 percent of these personnel are part-time. Small communities rely on their county emergency manager for guidance and support.

Financial: Most jurisdictions are leveraging existing capabilities in order to be able to fund mitigation projects. A strong motivating factor for most jurisdictions is the opportunity to apply for FEMA or other grants to help support the implementation of specific investments to mitigate future risks.

Education and Outreach: Over the last several decades, the region has built and continues to build a robust alert and warning system. With the advent of social media and opportunities for broad text messages, alert systems have been able to be customized for individual user experience. The increased use of systems to enable mobile devices and computers to receive alerts increases public awareness, but too many messages may reduce effectiveness as some members of the public may ignore alerts altogether. The increased alert options have also created new avenues for residents to participate in and take more responsibility for their own preparedness. Local officials suggested that by working together, jurisdictions could review available tools and cooperatively procure systems to save money and standardize operations.

Regional collaboration continues to expand and can be an effective tool for leveraging limited resources, and most of the planning area's local governments participate in a variety of regional committees and community partnerships. There may be opportunities to increase participation by schools in regional work.

Data limitations: Survey responses are the best available information reported by the jurisdiction or school at the time of the survey. Completion of the survey should not be interpreted to mean the information itself is complete or accurately reflects the current status of the capability. Limitations of the survey tool include the inability to accurately interpret false statements; therefore, data marked as false is depicted as blank or as not reported in the following summary tables. In some cases, the lead contact person completing the surveys may not have full knowledge of plans and policies adopted through other departments or offices.

Weather Adaptation: Many jurisdictions are focusing more attention on the increased impacts from more extreme weather conditions; however, many smaller jurisdictions are challenged in considering increased risks along with their ongoing needs to maintain infrastructure and serve their constituents.

Table 3.1: Adopted or Updated Plans and Policies

JURISDICTION HAS AN ADOPTED OR UPDATED PLAN	Cass County	Belton		Harrisonville	Lake Annette	Lake Winnebago	Peculiar	Pleasant Hill	Raymore
Comprehensive/Master Plan	2010	1992		2022		2014	2015	2022	2014
Capital Improvement Plan		2014		2024		2014	2019	2024	2014
Local Emergency Operations Plan	2023	2014		2022		2014	2019	2016	2018
Continuity of Operations Plan	2010	2014		2014		2019	2019		
Public Health Emergency Plan	2023								2014
Storm Water Management Plan	2007	2011		2023		2014	2018	2013	2002
Community Wildfire Protection Plan or Burn Ordinance	No	No		No	No	No	Burn	Burn	Burn
Brownfields Redevelopment	No	No		No	No	No	No	No	No
Climate Change Adaption	No	No		No	No	No	No	No	No
RELATED PLANNING ACTIVITIES:									
Building Codes adequately enforced	Yes	Yes		Yes	No	Yes	Yes	Yes	Yes
Land Use Planning utilized by community	Existing & Future	Existing & Future		Existing & Future	No	Existing & Future	Existing & Future	Existing & Future	Existing & Future
Zoning Ordinance	Yes	yes		Yes	Yes	Yes	Yes	Yes	Yes
Subdivision Ordinance	Yes	Yes		Yes	No	Yes	Yes	Yes	Yes
Natural Hazard-related Ordinance(s) adopted	Stream setback Soil & erosion Floodplain mgmt. Stormwater runoff	Stream setback Soil & erosion Floodplain mgmt. Stormwater runoff; open space dedication		Soil & erosion Floodplain mgmt. Stormwater runoff; open space dedication	Floodplain mgmt.; open space dedication	Soil & erosion Floodplain mgmt. Stormwater runoff	Soil & erosion Floodplain mgmt Stormwater runoff; open space dedication	Floodplain mgmt. Stormwater runoff; open space dedication	Stream setback Soil & erosion Floodplain mgmt. Stormwater runoff; open space dedication

JURISDICTION HAS AN ADOPTED OR UPDATED PLAN	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	North Kansas City	Smithville	Pleasant Valley
Comprehensive/Master Plan	2008	2024	2024	2016	2017	1999	2022	2020	
Capital Improvement Plan		2019	2024				2024	2024	
Local Emergency Operations Plan	2023	2022	2024	2009	2016	2012	2024	2022	Yes
Continuity of Operations Plan	2024	2022	2024	2009		2012			
Public Health Emergency Preparedness Plan	2020	2022	2024				2024		
Storm Water Management Plan		2013	2024		2003		2023	2023	
Community Wildfire Protection Plan or Burn Ordinance	No	Yes	Yes	Yes		Yes	No	Yes	
Brownfields Redevelopment	No	No	No	No		No	No	No	
Climate Change Adaption	No	No	yes	No		No	No	No	
RELATED PLANNING ACTIVITIES:									
Building Codes adequately enforced	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Land Use Planning utilized by community	Existing & Future	Existing & Future	Existing & Future	Existing & Future	Existing	Existing & Future	Existing & Future	Existing & Future	
Zoning Ordinance	Yes	yes	Yes	Yes	Yes	Yes	Yes	Yes	
Subdivision Ordinance	Yes	Yes	Yes	Yes		Yes	Yes	Yes	
Natural Hazard-related Ordinance(s) adopted	Stream setback Soil & erosion Floodplain mgmt Stormwater runoff	Water mgmt. Stream setback Soil & erosion Floodplain mgmt Stormwater runoff	Floodplain mgmt Stormwater runoff	Floodplain mgmt Stormwater runoff	Stormwater mgmt floodplain management	Stream setback Soil & erosion Floodplain mgmt	Soil & erosion Floodplain mgmt Stormwater runoff	Soil & erosion Floodplain mgmt Stormwater runoff	Soil & erosion Floodplain mgmt

JURISDICTION HAS AN ADOPTED OR UPDATED PLAN	Jackson County	Blue Springs	Grandview	Greenwood	Independence	Kansas City, MO	Lees Summit	Oak Grove	Raytown	Central Jackson County FPD	Sni Valley FPD
Comprehensive/Master Plan	2014	2015	2020		2018	2022	2021	2021	2025	NA	2023
Capital Improvement Plan	2010	2024	2024		2015	2024	2024	2024	2006		
Local Emergency Operations Plan	2014	2014	2013	2007	2015	2020	2021	2024	2014		2007
Continuity of Operations Plan	2012				2015	2019					
Public Health Emergency Preparedness Plan	2013				2024	2019					
Storm Water Management Plan	2013	2018	2018			2019	2024	2004	2023		
Community Wildfire Protection Plan or Burn Ordinance	Yes	Yes	No	Burn	Yes	No	Yes	Yes	No	Yes	Yes
Brownfields Redevelopment	No	No	No	No	No	2015	No	No	No	No	No
Climate Change Adaption	No	No	No	No	No	Yes	No	No	No	No	No
RELATED PLANNING ACTIVITIES:											
Building Codes adequately enforced	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	NA	NA
Land Use Planning utilized by community	Existing Future	Existing & Future	Existing & Future	Existing & Future	Existing & Future	Existing & Future	Existing & Future	Existing & Future	Existing & Future		Existing & Future
Zoning Ordinance	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA
Subdivision Ordinance	Yes	Yes	Yes		Yes	Yes	Yes	Yes	Yes	NA	NA
Natural Hazard-related Ordinance(s) adopted		Stream setback Floodplain mgmt. Stormwater runoff Soil & erosion	Stream setback floodplain mgmt. stormwater runoff soil & erosion	Floodplain mgmt.; open space dedication	Stream setback floodplain mgmt. stormwater runoff soil & erosion	Stream setback Floodplain mgmt. stormwater runoff soil & erosion	Stream setback floodplain mgmt. stormwater runoff soil & erosion	Stream setback floodplain mgmt. stormwater runoff soil & erosion	Stream setback floodplain mgmt. stormwater runoff soil & erosion	Floodplain Mgmt Soil & Erosion; stormwater runoff, open space dedication	NA NA

JURISDICTION HAS AN ADOPTED OR UPDATED PLAN	Platte County		Farley	Ferrelview		Lake Waukomis	Northmoor	Parkville
Comprehensive/Master Plan	2010			2013			2010	2019
Capital Improvement Plan	2015					2024		2019
Local Emergency Operations Plan	2023			2013		2024	2010	2015
Continuity of Operations Plan	2023					2020		2015
Public Health Emergency Preparedness Plan	2019					2019		2015
Storm Water Management Plan	2000					2024		2019
Community Wildfire Protection Plan or Burn Ordinance	No		No	No		Burn	No	No
Brownfields Redevelopment	No		No	No		No	No	No
Climate Change Adaption	No		No	No		No	No	No
RELATED PLANNING ACTIVITIES:								
Building Codes adequately enforced	Yes		Yes			Yes	Yes	Yes
Land Use Planning utilized by community	Existing and Future		Existing				Existing	Existing & Future
Zoning Ordinance utilized by community	Yes		Yes	Yes		Yes		Yes
Subdivision Ordinance utilized by community	Yes							Yes
Natural Hazard-related Ordinance(s) adopted	Stormwater runoff Floodplain mgmt. Stream setback soil & erosion		Floodplain mgmt	Floodplain mgmt		Floodplain mgmt.	Stormwater runoff; Floodplain mgmt.	Stormwater runoff Floodplain mgmt Stream setback Soil & erosion

JURISDICTION HAS AN ADOPTED OR UPDATED PLAN	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	West Platte FPD
Comprehensive/Master Plan	2020		2024		2020	2003	NA	NA
Capital Improvement Plan	2015		2024		2014	2014		
Local Emergency Operations Plan	2020	2024	2009		2009	2010		
Continuity of Operations Plan	2019	2024			2009			
Public Health Emergency Preparedness Plan	2020	2024						
Storm Water Management Plan	2012	2024	2018		2020			
Community Wildfire Protection Plan or Burn Ordinance	Yes	Yes	Yes	Yes	Yes			
Brownfields Redevelopment	No	No	No	No	No		No	No
Climate Change Adaption	No	No	No	No	No		No	No
RELATED PLANNING ACTIVITIES:								
Building Codes adequately enforced	Yes	Yes	Yes	Yes	Yes	Yes	NA	NA
Land Use Planning utilized by community	Existing & Future	Existing	Existing & future		Existing & future	Existing & future		
Zoning Ordinance utilized by community	Yes		Yes			Yes		
Subdivision Ordinance utilized by community	Yes		Yes			Yes		
Natural Hazard-related Ordinance(s) adopted	Stormwater runoff Floodplain mgmt. Stream setback Soil & erosion	Stormwater runoff	Stormwater runoff, floodplain Mgmt. soil & erosion	Stormwater runoff, floodplain Mgmt. soil & erosion	Stormwater runoff, floodplain Mgmt. soil & erosion water conservation			

JURISDICTION HAS AN ADOPTED OR UPDATED PLAN:	Ray County	Richmond
Comprehensive/Master Plan	1998	2022
Capital Improvement Plan		2019
Local Emergency Operations Plan	2017	2024
Continuity of Operations Plan		
Public Health Emergency Preparedness Plan		
Storm Water Management Plan	2005	2023
Community Wildfire Protection Plan	No	Yes
Brownfields Redevelopment	No	No
Climate Change Adaption	No	No
RELATED PLANNING ACTIVITIES:		
Building Codes adequately enforced	Yes	Yes
Land Use Planning utilized by community	Existing & Future	Existing & Future
Zoning Ordinance utilized by community	Yes	Yes
Subdivision Ordinance utilized by community	Yes	Yes
Natural Hazard-related Ordinance(s) adopted	Floodplain mgmt Stormwater runoff Soil & erosion Stream setback	Floodplain mgmt. Stormwater runoff Soil & erosion Stream setback

3.2 Review and Incorporation of Existing Plans

In accordance with statutory requirements, the plan must describe each jurisdiction’s existing authorities, policies, programs, and resources available to accomplish hazard mitigation. **Table 3.2** highlights how specific plans are being utilized by jurisdictions throughout the planning area to support and enhance mitigation activities.

Table 3.2: Local Plans and Regulations Adopted by Local Jurisdictions	
Plan or Regulation	Significance to Hazard Mitigation
Emergency Management Plans (EOP)	Assists local jurisdictions in clarifying roles and responsibilities prior to, during and following a disaster. EOPs include or reference the policies and procedures and authorities to support emergency response and initial recovery that are in place. EOP helps identify resources prior to and during an emergency, including natural hazard events. A jurisdiction’s EOP is a document that assigns responsibility for carrying out specific actions that exceed routine responsibility at projected times and places during an emergency. The EOP identifies the lines of authority, organizational relationships and outlines steps for coordination strategy. The EOP describes how people and property are protected and identifies resources available within the jurisdiction or by agreement with other jurisdictions. The EOP facilitates prevention, protection, response, and short-term recovery, which sets the stage for successful long-term recovery. These plans help local jurisdictions assess locations of vulnerable populations and areas within their communities and how to address these areas during an emergency. This plan is a good source of information for local risk assessment activities. Some of the recommendations considered for the Goals and Strategies section of the Hazard Mitigation Plan could be incorporated as actions in the EOP.
Floodplain Management Regulations/Ordinance	Assists jurisdictions in effectively managing floodplain areas. These regulations are usually part of a jurisdiction’s land use regulations. Depending on the jurisdiction, regulations may take the form of a stand-alone municipal or county ordinance. Regulations may require specific minimum design, construction, or development elements; compliance required for health and safety reasons. These regulations are important to communities to comply with participation in the Federal Flood Insurance Program, limiting development in 100-year floodplain areas.
Land Use Regulations (e.g., zoning regulations, subdivision regulations, storm water regulations stream setback)	Primary tools for jurisdictions to shaping the character and development of a community. Land use regulations may restrict certain land use or structures from being located in hazard vulnerable areas. These regulations may also require specific minimum design, construction, or development elements; compliance required for health and safety reasons. Stream setback ordinances require development to be located at farther distances from streams or rivers and the 100-year floodplain in order to increase area for stormwater runoff to be absorbed before entering waterways.
Plan or Regulation	Significance to Hazard Mitigation
Wetland Regulations	Helps jurisdictions maintain and protect the integrity of wetland resources. Local wetland areas often coincide with FEMA-delineated floodplain areas. These areas often include important natural resources or habitat for wildlife.
Local Building Codes	Critical tools to maintain adequate safety and building integrity factors in construction. These codes may limit structure size, type, and place additional requirements in the construction of structures located in an identified hazard area (i.e., high wind, floodplain, wildland/urban interface area, etc.). Energy codes provide standards for construction to improve comfort during cold or heat weather and to conserve energy costs.

To demonstrate compliance, the following represents how jurisdictions reviewed and integrated the following topics into the 2025 Plan review process. Responses displayed in Table 3.3 were gathered from the community profile survey relative to plans and regulations.

- Types of natural hazards that affect or concern local governments
- Plans related to natural hazard mitigation, land use or development
- Local ordinances related to natural hazard mitigation
- Building, fire and related codes
- Participation in federal hazard mitigation programs, e.g., NFIP, FMA, PDM
- Existing mitigation practices
- Use of technical documents

Table 3.3: Relevant Measures Incorporated into HMP (Plans/Regulations)	
CAPABILITY	CASS COUNTY
Capital Improvements Plan	Pleasant Hill: Includes plan for community shelter (tornado mitigation) Raymore: Inflow and infiltration system improvements (drought mitigation) Cass County: identifies bridge projects and allocates funding for culvert and pipe replacement.
Emergency Operations Plan	Harrisonville: Updated every year (all hazards mitigation) Pleasant Hill: Looking to update their LEOP
Continuity of Operations Plan	Belton: Included in Emergency Operations Plan (all hazards mitigation)
Public Health Emergency Preparedness Plan	Most public health emergency preparedness and response plans are prepared and maintained by county and city public health departments Raymore: Revisions ongoing at County Health Department
Storm Water Management Plan	Lake Winnebago: Submitted under MS4 Management Plan (flood mitigation) Cass County: Soil and Sediment Ordinance integrated into this plan
Burn Ordinance	Cass County: Responsibility of fire districts
CAPABILITY	CLAY COUNTY
Comprehensive Plan	Kearney: Recommends floodplains for open space and park land
Emergency Operations Plan	Kearney: Draft emergency operations plan is headed by Kearney Fire (all hazards mitigation) Kearney also has the Emergency Operations Plan for public works supplies (2015) for the city’s water plant. Pleasant Valley has adopted the county’s LEOP
Continuity of Operations Plan	Kearney: Part of our local Emergency Operations Plan
Public Health Emergency Preparedness Plan	Most public health emergency preparedness and response plans are prepared and maintained by county and city public health departments (Clay County Public Health Center, Kansas City Health Department). Clay County Health Department plan undergoing update
Storm Water Management Plan	Excelsior Springs, Gladstone, Liberty and North Kansas City have contributed to a regional effort to produce new APWA Stormwater Management Design Standards in 2025.

Table 3.3: Relevant Measures Incorporated into HMP (Plans/Regulations)	
CAPABILITY	JACKSON COUNTY
Comprehensive Plan	Blue Springs plan update underway Kansas City: The city prepared a new comprehensive plan in 2022 Lee's Summit: Development and impact on infrastructure (all hazards mitigation) Raytown: Completing update of the plan in 2025
Capital Improvements Plan	Lee's Summit: Storm water management and transportation (flood management) Oak Grove: Annually reviewed with budget (all hazards mitigation) Sni Valley FPD: Updated as part of annual budget (all hazards mitigation)
Emergency Operations Plan	Oak Grove: Continuous updates to Annexes since adoption (all hazards mitigation) Sni Valley: Basic Plan 2007; Annexes in continual update process (all hazards mitigation) Greenwood is working on an update
Continuity of Operations Plan	Independence: Available in Community Development (all hazards mitigation) Kansas City, Mo: Utilize MARC's products (all hazards mitigation) Lee's Summit: FEMA floodplain maps (flood mitigation/management) Oak Grove: Ongoing GIS data project (identification of hazard areas)
Public Health Emergency Preparedness Plan	Most public health emergency preparedness plans are prepared and maintained by county and city public health agencies Lee's Summit: Jackson County Health Department (emerging infectious disease mitigation)
Storm Water Management Plan	Kansas City: addresses buyouts, retrofitting, flood risk infrastructure Lee's Summit: Management of storm water (supports flood mitigation) Kansas City, Independence and Lee's Summit have contributed to a regional effort to produce new APWA Stormwater Management design standards in 2025
CAPABILITY	PLATTE COUNTY
Comprehensive Plan	Platte County: Supports ongoing mitigation projects. Parkville: Supports ongoing mitigation projects through resource preservation; setbacks; access strategies Riverside: Address sustainability and natural resource management Weatherby Lake: Roads and sewers mitigation work to support flood mitigation efforts
Capital Improvements Plan	Platte County: Supports ongoing mitigation projects Parkville: Supports infrastructure; flood mitigation projects Platte City: Currently adopted this year, will support ongoing mitigation projects.
Emergency Operations Plan	Platte County: Ongoing yearly by Emergency Management (all hazards mitigation) Updating to ESF format in 2019/2020 Parkville: Follow county Plan (all hazards mitigation) Platte City: Adopted on County Plan (all hazards mitigation) Riverside: Updated to meet ESFs Weatherby Lake: Follow and participate through Platte Co EM (all hazards mitigation)
Continuity of Operations Plan	Platte County: Updated and practiced in planning by Emergency Management (all hazards mitigation) Parkville: Follow county plan

Table 3.3: Relevant Measures Incorporated into HMP (Plans/Regulations)	
	Platte City: Currently under development (all hazards mitigation) Weatherby Lake: County and city have this capability (all hazards mitigation)
Public Health Emergency Preparedness Plan	Platte County: Platte County Health Department (emerging infectious disease mitigation) develops and maintains public health emergency plans for the county; Kansas City Health Department prepares and maintains emergency plans for the portion of the city in Platte County Platte City, Weatherby Lake: Platte County Health Department (emerging infectious disease mitigation)
Storm Water Management Plan	Parkville: Supports flood Mitigation/Prevention Platte City: Supports Comprehensive Plan and ongoing mitigation projects Parkville and Riverside have contributed to a regional effort to produce new APWA Stormwater Management design standards in 2025
Brownfields Redevelopment	Platte City: Community Center
CAPABILITY	RAY COUNTY
Emergency Operations Plan	Ray County: Reviewed to address threats and hazards
Stormwater Management Plan	Ray County: Planning and Zoning regulations
Public Health Emergency Preparedness Plan	Ray County Health Department prepares and maintains public health emergency preparedness plans

3.3 Community Profile Survey Results

3.3.1 Planning and Regulatory Capabilities

The Community Profile survey collected information about the planning and regulatory capabilities of cities and counties including special districts. Jurisdictions were asked to identify all adopted building and fire codes and any measures complementary to local mitigation actions. Table 3.4 represents an overview of building-related codes. Most of the participating jurisdictions have adopted building, fire, plumbing and mechanical codes. The versions vary with many having adopted 2012 and 2018 as the most current versions. Over half of the jurisdictions have adopted Dangerous Building Codes, some using national codes and some adopting local ordinances.

Table 3.5 indicates if the code is adequately enforced and whether the code was related to or reviewed as part of the HMP update. Most jurisdictions indicated that they adequately enforce their building and related code. Many [Public Health Agency Template - 2025.docx](#)

of the smaller jurisdictions have greater challenges with implementation due to staffing limitations.

Table 3.6 describes how codes and other relevant measures were incorporated into the HMP by each jurisdiction. Table 3.8 describes how land use-related ordinances and policies are relevant to the HMP.

Building Codes (Community Profile, Part 2D, Question 2)

Ordinances and Policies (Community Profile, Part 2D, Question 3)

Table 3.4: Building Codes Adopted by Local Jurisdictions																		
Jurisdiction	Building Code	Year	Class	Fire Code	Year	Class	Mechanical Code	Year	Class	Plumbing Code	Year	Class	Dangerous Buildings	Year	Class	Other Codes	Year	Class
Cass County	IC	2006		IFC	2006		IMC	2006		IPC	2006			2019		NEC	2005	
Belton	IBC	2018	4	IFC	2018	2	IMC	2018		UPC	2018		UCADB	2018		NEC	2018	
Harrisonville	IBC	2012	3	IFC	2012	4	IMC	2012	3	IPC	2012	3	IBC	2012	3			
Lake Annette	IBC																	
Lake Winnebago	IRC	2018		IFC	2018		IMC	2018		IPC	2018		IBC	2018		NEC	2017	
Peculiar	IBC	2003		IFC	2006		IMC	2003		IPC	2003		IBC	2003		NEC	1999	
Pleasant Hill	IBC	2012	5	IFC	2012	4	IMC	2012	5	IPC	2012	5	Local					
Raymore	IBC	2012		IFC	2012		UMC	2012		UPC	2012			2006				
Clay County	IBC	2012	6	IFC	2012		IMC	2012	7	IPC	2012	7	Local	1996		NEC	2011	
Excelsior Springs	IBC	2012	5	IFC	2012	5	IMC	2012	5	IPC	2012	5		1992				
Gladstone	IBC	2020	2	IFC	2020	2	IMC	2020	2	IPC	2020	2	IBC	2020		NEC	2020	
Kearney	IBC	2018	9	IFC	2018	4	IMC	2018	9	IPC	2018	9	IPMC	2018		NEC	2017	9
Lawson	IBC	2006		IFC	2006		IMC	2006		IPC	2006		Local	1995		NEC	2005	
Liberty	IBC	2012		IFC	2012	2	IMC	2012		IPC	2012							
North Kansas City	IBC	2018	1	IFC	2018	1	IMC	2018	1	IPC	2018	1	IPMC	2018	1	NEC	2018	
Smithville	IBC	2018	4	IFC	2018		IBC	2018		IBC	2018		IPMC	2018		NEC	2017	
Pleasant Valley	IBC	2012		IFC	2012		IMC	2012		IPC	2012		UCADB	2012				
Jackson County	IBC	2018	5	IFC	2018	5	IMC	2018	5	IPC	2018	5						
Blue Springs	IBC	2018	4	IFC	2018	3	IMC	2018	4	IPC	2018	4	UBC	2018				
Grandview	IBC	2018		IFC	2018		IMC	2018		IPC	2018					NEC	2018	
Greenwood	IBC	2012	2	IFC	1997	2	IMC	2012		IPC	2012							
Independence	IBC	2012	4	IFC	2012	2	IMC	2012	4	IPC	2012	4		2012				
Kansas City, Mo.	IBC	2018	2	IFC	2018	1	IMC	2012	2	UPC	2012	2	IBC	2014	2			
Lee's Summit	IBC	2018	4	IFC	2018	3	IMC	2018	4	IPC	2018	4	Local					
Oak Grove	IBC	2018	2	IFC	2018	2	IMC	2018	2	IPC	2018	2				NEC	2008	
Raytown	IBC	2018	5	IFC	2018	5	IMC	2018	5	IPC	2018	5	IPMC	2018	5	NEC	2017	5
Grain Valley	IBC	2018		IFC	2018		IMC	2018		IPC	2018							
Sni Valley FPD	IBC	2003		IFC	2003		IMC	2003		IPC	2003			2003				2003
Central Jax Co FPD	IBC	2018	4	IFC	2018	3	IMC	2018										

Table 3.4: Building Codes Adopted by Local Jurisdictions (Continued)

Jurisdiction	Building Code	Year	Class	Fire Code	Year	Class	Mechanical Code	Year	Class	Plumbing Code	Year	Class	Dangerous Buildings	Year	Class	Other Codes	Year	Class
Platte County	IBC	2018		IFC	2003	2	IMC	2018	5	IPC	2018	5		1993		NEC	2017	
Farley	IRC	2009																
Lake Waukomis	IBC	2012	4	IFC	2018	4	IRC	2009		IRC	2009		IBC	2003				
Northmoor	IBC	2012		IFC	2012		IMC	2012		IBC	2012		IBC	2012				
Parkville	IBC	2012	4	IFC	2012	4	IMC	2012	4	IPC	2012	4				NEC	2010	4
Platte City	IBC	2013	5	IBC	2013	5	IBC	2013	5	IBC	2013	5	IBC	2013	5			
Platte Woods	IBC	2007		IBC	2007		IBC	2007		IBC	2007		IBC	2007				
Riverside	IBC	2018	2	IFC	2018	2	IMC	2018	2	IPC	2018	2				NEC	2018	
Tracy	IBC	2006	4	IBC	2006	4	IBC	2006	4	IBC	2006	4	IBC	2006	4	NEC	2011	4
Weatherby Lake	IRC	2015	3	IFC	2015	4	IRC	2015	3	IRC	2015	3	IRC	2015	3			
Weston	IBC	2000		IBC	2000		IBC	2000		IBC	2000		IBC	2000				
Ray County	IBC	2015		IFC	2015		IMC	2015		IPC	2015					NEC	2014	
Richmond	IBC	2021	4	IFC	2021	3	IMC	2021	4	IPC	2021	4	IBC	2021	4	NEC	2020	4

- IC – International Code
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- IMC – International Mechanical Code
- IPC – International Plumbing Code
- IPMC – International Property Maintenance Code
- IRC – International Residential Code
- NEC – National Electric Code
- NFC – National Fire Code
- UCABD – Uniform Code for Abatement of Dangerous Buildings
- UMC – Uniform Mechanical Code
- UPC – Uniform Plumbing Code

Table 3.5: Codes Adequately Enforced																		
Jurisdiction	Building			Fire			Mechanical			Plumbing			Dangerous Buildings			Other Codes		
	TYPE	ADEQ	HMP	TYPE	ADEQ	HMP	TYPE	ADEQ	HMP	TYPE	ADEQ	HMP	TYPE	ADEQ	HMP	TYPE	ADEQ	HMP
Cass County	IC	X	X	IFC	X		IMC	X		IPC	X		Local	X		NEC	X	
Belton	IBC	X		IFC	X		IMC	X		IPC	X		IBC	X				
Harrisonville	IBC	X	X	IFC	X	X	IMC	X	X	IPC	X	X	IBC	X	X			
Lake Annette	IBC	X																
Lake Winnebago	IRC	X		IFC	X		IMC	X		IPC	X					NEC	X	
Peculiar	IBC	X		IFC	X		IMC	X		IPC	X		IBC	X		NEC	X	
Pleasant Hill	IBC	X		IFC	X		IMC	X		IPC	X		Local	X				
Raymore	IBC	X	X	IFC	X	X	UMC	X	X	UPC	X	X		X	X			
Clay County	IBC	X	X	IFC	X	X	IMC	X	X	IPC	X	X				IRC		
Excelsior Springs	IBC	X	X	IFC	X	X	IMC	X	X	IPC	X	X		X	X			
Gladstone	IBC	X	X	IFC	X	X	IMC	X	X	IPC	X	X				NEC		
Kearney	IBC	X	X	IFC	X	X	IMC	X	X	IPC	X	X	IPMC			NEC	X	X
Lawson	IBC	X		IFC			IMC	X		IPC	X		Local			NEC	X	
Liberty	IBC	X		IFC	X		IMC	X		IPC	X							
North Kansas City	IBC	X		IFC	X		IMC	X		IPC	X					NEC	X	
Smithville	IBC	X					IBC	X		IBC	X		IPMC					
Pleasant Valley	IBC	X																
Jackson County	IBC	X	X	IFC	X	X	IMC	X	X	IPC	X	X						
Blue Springs	IBC	X	X	IFC	X	X	IMC	X	X	IPC	X	X	IBC	X	X	IBC	X	X
Grain Valley	IBC	X		IFC	X		IMC	X		IPC	X							
Grandview	IBC	X		IFC	X		IMC	X		IPC	X					NEC	X	
Greenwood	IBC	X		IFC			IMC			IPC								
Independence	IBC	X		IFC	X		IMC	X		IPC	X		Local	X		Multi		
Kansas City, Mo.	IBC	X		IFC	X		IMC	X		UPC	X		IBC	X				
Lee's Summit	IBC	X		IFC	X		IMC	X		IPC	X		UCADB					
Oak Grove	IBC	X		IFC	X		IMC	X		IPC	X					NEC		
Raytown	IBC	X	X	IFC	X	X	IMC	X	X	IPC	X	X	IPMC	X	X	NEC	X	X

Table 3.5: Codes Reviewed Adequately Enforced (Continued)

Jurisdiction	Building			Fire			Mechanical			Plumbing			Dangerous Buildings			Other Codes		
Platte County	IBC	X	X				IMC	X	X	IPC	X	X			X			
Farley	IRC	X																
Lake Waukomis	IBC	X		IFC			IRC			IRC			IBC					
Northmoor	IBC	X	X	IFC		X	IMC		X	IBC		X	IBC		X			
Parkville	IBC	X	X	IFC	X	X	IMC	X	X	IPC	X	X				NEC	X	X
Platte City	IBC	X	X	IBC	X	X	IBC	X	X	IBC	X	X	IBC	X	X			
Platte Woods	IBC	X	X	IBC	X	X	IBC	X	X	IBC	X	X	IBC	X	X			
Riverside	IC	X	X	IC	X	X	IC	X	X	IC	X	X	IC	X	X	IC	X	X
Tracy	IBC	X		IBC	X		IBC	X		IBC	X		IBC	X		NEC	X	
Weatherby Lake	IRC	X	X	IFC	X	X	IRC	X	X	IRC	X	X	IRC	X	X			
Weston	IBC	X		IBC	X		IBC	X		IBC	X		IBC					
Ray County	IBC	X		IFC	X		IBC/IRC	X		IPC/IRC	X		IPMC	X		NEC	X	
Richmond	IBC	X		IFC	X		IMC	X		IPC	X		IBC	X		NEC	X	

Key: ADEQ = Adequately Enforced HMP = Reviewed for HMP Update

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- IMC – International Mechanical Code
- IPC – International Plumbing Code
- IPMC – International Property Maintenance Code
- IRC – International Residential Code
- NEC – National Electric Code
- NFC – National Fire Code
- UCABD – Uniform Code for Abatement of Dangerous Buildings
- UMC – Uniform Mechanical Code
- UPC – Uniform Plumbing Code

Table 3.6: Relevant Measures Incorporated into HMP (Building Codes)	
CAPABILITY	CASS COUNTY
Building Code	Pleasant Hill: Additional safe room standards established
Dangerous Building Code	Cass County: Local code regulations Lake Winnebago: Does not apply to current City R-1 Zoning Raymore: Local code regulations Pleasant Hill: Local code regulations
Other Codes	Lake Winnebago: NEC Peculiar: NEC
CAPABILITY	CLAY COUNTY
Building Code	Kearney: 2018 IRC and IBC Clay County: IBC and IRC 2012
Fire Code	Kearney: IFC Class 3 Clay County: IFC 2012
Dangerous Building Code	Excelsior Springs: City has local ordinance; Kearney IPMC 2018 & local ordinance
Other Codes	Excelsior Springs NEC 2011 Kearney NEC 2017 North Kansas City: NEC 2018 Clay County: NEC 2011
CAPABILITY	JACKSON COUNTY
Building Code	Grandview: Has updated to 2018 version Kansas City: Has updated incorporating stronger energy conservation provisions in 2024
Fire Code Mechanical Code Plumbing Code	Grandview: Updated to 2018 versions
Dangerous Building Code	Blue Springs: All IBC modules Independence: City has local ordinance Lee's Summit: City has local ordinance Oak Grove: Oak Grove Municipal Ordinance
Other Codes	Jackson County: NEC Grandview: Updated NEC to 2018 Independence: IFGC, IRC, NEC, IEBC Oak Grove: NEC; 2009 IFGC; Int'l Private Property
CAPABILITY	PLATTE COUNTY
Building Code	Platte County: Planning and Zoning
Fire Code	Lake Waukomis: Contract with Kansas City, MO Fire Department
Mechanical Code	Platte County: Planning and Zoning
Plumbing Code	Platte County: Planning and Zoning
Dangerous Building Code	Platte County: County-only code
Other Codes	Tracy: NEC
CAPABILITY	RAY COUNTY
Other Codes	Richmond: NEC 2018

IBC – International Building Code

IC – International Code

IEBC – International Existing Building Code

IFGC – International Fuel Gas Code

ISPSC – International Swimming Pool and Spa Code

NEC – National Electric Code

Table 3.7: Ordinances and Policies Adopted by Local Jurisdictions

ORDINANCES ADOPTED BY JURISDICTION	Cass County	Belton	Harrisonville	Lake Winnebago	Peculiar	Pleasant Hill	Raymore	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	Grain Valley	North Kansas City	Smithville	Pleasant Valley	Jackson County	Blue Springs	Grandview	Greenwood	Independence	Kansas City, MO	Lee's Summit	Oak Grove	Raytown
Stream setback ordinances	✓	✓					✓	✓	✓	✓			✓	✓			✓	✓	✓	✓		✓	✓	✓	✓	
Floodplain management ordinances	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Soil and erosion ordinances	✓	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓
Burn ordinances	✓	✓	✓		✓	✓			✓	✓	✓	✓	✓	✓				✓	✓		✓	✓	✓	✓	✓	✓
Storm water runoff ordinances	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Water conservation measures	✓	✓	✓				✓		✓				✓					✓	✓				✓		✓	✓
Open space acquisition/dedication		✓	✓		✓	✓	✓	✓	✓	✓			✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓
Flood buyout		✓	✓		✓				✓				✓					✓				✓	✓	✓		
Site plan review requirements	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓	✓	✓	✓	✓

ORDINANCES ADOPTED BY JURISDICTION	Central Jackson County FPD	Sni Valley FPD	Platte County	Farley	Lake Waukomis	Northmoor	Parkville	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	Ray County	Richmond
Stream setback ordinances			✓				✓	✓		✓	✓	✓			✓	✓
Floodplain management ordinances			✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓
Soil and erosion ordinances			✓		✓		✓	✓		✓	✓	✓			✓	✓
Burn ordinances	✓	✓			✓	✓		✓	✓	✓	✓	✓	✓			✓
Storm water runoff ordinances			✓			✓	✓	✓	✓	✓	✓	✓				✓
Water conservation measures			✓		✓			✓					✓			
Open space acquisition/dedication			✓				✓	✓								✓
Flood buyout			✓								✓					✓
Site plan review requirements			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓

Table 3.8: Relevant Measures Incorporated into HMP (Ordinances/Policies)	
CAPABILITY	CASS COUNTY
Soil and Erosion Ordinance	Cass Co has incorporated provisions into Stormwater requirements
Burn Ordinance (i.e., farmland, prairie)	Cass Co. – Under local fire protection district authority Raymore: As needed through South Metro Fire Protection (wildland fire mitigation) Pleasant Hill has local burn ordinance
Flood Buyout	Raymore: No structures are within the flood hazard area (Supports continued NFIP participation)
CAPABILITY	CLAY COUNTY
Floodplain Management Ordinance	Kearney: Development required to meet floodplain ordinance (Supports continued NFIP participation)
Burn Ordinance (i.e., farmland, prairie)	Kearney: burn permits required; issued by fire district Smithville: adopted and enforced by Smithville Area FPD
Storm Water Runoff Ordinance	Kearney: Detention facilities required to minimize flooding (Supports continued NFIP participation)
Flood Buyout	Kearney: No residential structures within floodplain (Supports continued NFIP participation)
CAPABILITY	JACKSON COUNTY
Stream Setback Ordinance	Oak Grove: Uniform Development Code (UDC) (Supports continued NFIP participation)
Floodplain Management Ordinance	Lee's Summit: Chapter 6 of the Unified Development Ordinance (Supports continued NFIP participation)
Soil and Erosion Ordinance	Grandview: Land disturbance permit greater than 1 acre Kansas City: MS4 Program Levasy: Challenge to implement Oak Grove: Follow Federal Clean Water Act
Burn Ordinance (i.e., farmland, prairie)	Oak Grove: Permits by Sni-Valley FPD required each day; banned except for designated days. Sni-Valley permit based on fire danger and air quality.
Storm Water Runoff Ordinance	Grandview: Follows KCAPWA design standards Lee's Summit: Chapter 34 of the City Code of Ordinances (Supports continued NFIP participation) Oak Grove: UDC incorporates requirements on developers (Supports continued NFIP participation)
Water Conservation Measures	Grandview: Uses detention areas to hold runoff Lee's Summit: As needed during drought conditions Oak Grove: Emergency Powers under Emergency Management Ordinance

Table 3.8 Relevant Measures Incorporated into HMP (Ordinances/Policies) (Continued)	
Open Space Acquisition/Dedication	Lee's Summit: Being evaluated to acquire stream corridors (Supports continued NFIP participation) Oak Grove: Flood Plain and Uniform Development Code (Supports continued NFIP participation)
Flood Buyout	Lee's Summit: Limited scale (Supports continued NFIP participation) Oak Grove: No developed property eligible to buyout (Supports continued NFIP participation)
Site Plan Review Requirements	Kansas City: floodplain, airport zones, historic preservation Oak Grove: Site plans reviewed according to UDC standards Lee's Summit: Being used to acquire stream corridors
CAPABILITY	PLATTE COUNTY
Stream Setback Ordinance	Platte County: Planning and Zoning (Supports continued NFIP participation). New development is required to be setback. Lake Waukomis has adopted Ord. 468
Floodplain Management Ordinance	Platte County: Planning and Zoning and Emergency Management (Supports continued NFIP participation) Parkville: Adopting Update January 2015 (Supports continued NFIP participation) Platte City: Adopting February 2015 (Supports continued NFIP participation)
Soil and Erosion Ordinance	Platte County: Planning and Zoning applies to land under development Lake Waukomis: HOA / silt management Weatherby Lake: City ordinance enforced by Public works
Burn Ordinance (i.e., farmland, prairie)	Houston Lake: Open burning ordinance adopted into city code 2013 Lake Waukomis: Small campfire; grill Weatherby Lake: City ordinance enforced by Public Works
Storm Water Runoff Ordinance	Platte County: Planning and Zoning (Supports continued NFIP participation) applies to land under development Weatherby Lake: City ordinance monitored by MS4 Committee (Supports continued NFIP participation)
Water Conservation Measures	Platte County: Voluntary Green Build
Open Space Acquisition/Dedication	Platte County: Planning and Zoning (Supports continued NFIP participation) required for new development
Flood Buyout	Platte County: last used after 1993 flood
Site Plan Review Requirements	Platte County: Planning and Zoning part of development process Weatherby Lake: This is part of the planning code ordinance

3.3.2 Administrative and Technical Capabilities

The profile survey collected information about administrative functions, staffing, and technical resources to identify whether capabilities were available at the local level to assist with mitigation planning and implementation of mitigation actions. Smaller jurisdictions were asked to indicate any public resources available at the next higher level of government (i.e., technical assistance).

Administrative Resources (Community Profile, Part 2A, Question 1)

In Part 2A of the Community Profile Survey, jurisdictions were asked to identify administrative resources available to assist with mitigation activities. **Table 3.9** provides a list of administrative functions fulfilled at the local level by each jurisdiction.

The profiles provide responses on the following items: is assistance available at the next level of government; is coordination between governments effective for mitigation purposes; and were functions reviewed as part of the HMP update.

Staffing Resources (Community Profile, Part 2A, Question 2)

Jurisdictions were next asked to describe staffing resources available to assist with mitigation efforts. **Table 3.10** lists all relevant full- and part-time positions. Many communities have limited staff to carry out planning and building responsibilities, including floodplain management.

Technical Resources (Community Profile, Part 2A, Question 3)

Jurisdictions were asked to identify all technical resources available to assess and mitigate risk. **Table 3.11** lists the tools that were useful to meet local planning needs.

Table 3.12 describes relevant measures incorporated into the HMP as stated by the jurisdiction.

Refer to the following pages for the Administrative and Technical tables referenced above.

Table 3.9: Local Administrative Resources by Jurisdiction

ADMINISTRATIVE FUNCTION AT THE LOCAL LEVEL	Cass County	Belton	Harrisonville	Lake Annette	Lake	Peculiar	Pleasant Hill	Raymore	Clay County	Excelsior	Gladstone	Kearney	Lawson	Liberty	Pleasant Valley	North Kansas	Smithville	Levasy	Jackson County	Blue Springs	Grandview	Greenwood	Independence	Kansas City, MO	Lee' s Summit	Oak Grove
Planning & Zoning Commission	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mitigation Planning Committee	✓				✓	✓	✓	✓			✓			✓	✓	✓	✓	✓	✓					✓	✓	✓
Maintenance program	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
Mutual aid agreement	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓

Table 3.9 Local Administrative Resources by Jurisdiction (Continued)

ADMINISTRATIVE FUNCTION AT THE LOCAL LEVEL	Raytown	Grain Valley	Central Jackson County FPD	Sni Valley FPD	Platte County	Farley	Lake Waukomis	Northmoor	Parkville	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	Ray County	Richmond
Planning & Zoning Commission	✓	✓			✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mitigation Planning Committee		✓			✓				✓		✓	✓				✓	✓	✓
Maintenance program	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓
Mutual aid agreement	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓

Table 3.10: Local Staffing Resources by Jurisdiction

LOCAL STAFFING (FULL-TIME OR PART-TIME)	LOCAL STAFFING RESOURCES BY JURISDICTION																								
	Cass County	Belton	Harrisonville	Lake Annette	Lake Winnebago	Peculiar	Pleasant Hill	Raymore	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	North Kansas City	Smithville	Grain Valley	Jackson County	Blue Springs	Grandview	Greenwood	Independence	Kansas City, MO	Lee's Summit	Oak Grove
Chief Building Official	FT	FT	FT	PT	PT	FT	FT	FT	FT	FT	FT		PT	FT	FT	FT	FT	FT	FT	PT	FT	PT	FT	FT	FT
Floodplain Administrator	FT	FT	PT	PT	PT	PT	PT	FT	FT	PT	FT	FT	PT	FT	FT	FT	FT	FT	FT	PT	PT	FT	PT	FT	PT
Emergency Manager	FT	FT	FT	PT	PT	FT	PT	FT	FT	PT	FT		PT	FT	FT	FT	FT	PT	PT	PT	PT	FT	FT	FT	FT
Community Planner	FT	FT	FT	PT	PT	FT	PT	FT	FT		FT	FT		FT	FT	FT	FT	FT	FT	FT		FT	PT	FT	
Civil Engineer	FT	FT	FT	PT	PT	FT		FT			FT	FT	PT	FT	PT		FT	FT	FT	FT		FT	FT	FT	PT
Public Health Official	FT	PT							FT		FT							FT				FT	FT	FT	PT
IT Support	FT	FT	FT	PT	PT	FT	PT	FT	FT		FT	PT	PT	FT	FT	PT	PT	FT	FT	FT	PT	FT	FT	FT	PT
GIS Coordinator	FT	FT				PT	PT	FT	FT	FT	FT	FT		FT	FT		FT	FT	FT	PT		FT	FT	FT	PT

LOCAL STAFFING (FULL-TIME OR PART-TIME)	LOCAL STAFFING RESOURCES BY JURISDICTION																			
	Raytown	Central Jackson County FPD	Sni Valley FPD	Grain Valley	Levasy	Platte County	Farley	Lake Waukomis	Northmoor	Parkville	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD		Ray County	Richmond
Chief Building Official	FT	FT	PT	FT		FT	PT	PT	PT	PT	FT	PT	FT		FT	PT			PT	FT
Floodplain Administrator	PT	FT		FT	PT	FT	PT	PT	PT	FT	FT	FT	FT	PT		FT			PT	FT
Emergency Manager	PT	FT		FT		FT	PT	PT	PT	FT	FT	FT	FT		FT	FT			PT	FT
Community Planner	FT	FT		FT		FT		PT	PT	FT	FT	PT	FT		FT					FT
Civil Engineer	FT	FT		FT		FT		PT	PT	PT	PT	PT	FT		PT					
Public Health Official	PT	FT				FT				FT	FT	PT							FT	FT
IT Support	FT	FT	PT	PT		FT		PT	PT	PT	PT	PT	FT		PT	PT	PT		PT	PT
GIS Coordinator	PT	FT	PT	FT		FT		PT	PT	PT	PT		FT						PT	FT

FT = FULL TIME PT = PART TIME

Table 3.11: Local Technical Resources by Jurisdiction

TECHNICAL RESOURCE USEFUL TO LOCAL PLANNING	Cass County	Belton	Harrisonville	Lake Annette	Lake Winnebago	Peculiar	Pleasant Hill	Raymore	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	North Kansas City	Smithville	Grain Valley	Jackson County	Blue Springs	Grandview	Greenwood	Independence	Kansas City, MO	Lee' s Summit
Warning system/services	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Hazard data and information	✓	✓	✓		✓	✓	✓	✓			✓	✓		✓				✓		✓		✓	✓	✓
Critical Facility Map/APRS	✓	✓	✓		✓	✓	✓	✓			✓	✓					✓	✓	✓	✓		✓	✓	✓
HAZUS Analysis	✓		✓			✓												✓				✓	✓	
Existing Land Use Maps	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓
Future Land Use Maps	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓		✓	✓	✓	✓	✓	✓	✓		✓
State Hazard Mitigation Plan	✓		✓	✓	✓	✓		✓			✓	✓		✓				✓				✓	✓	
Grant Writing	✓		✓			✓		✓	✓		✓					✓		✓	✓	✓		✓	✓	

TECHNICAL RESOURCE USEFUL TO LOCAL PLANNING	Oak Grove	Raytown	Central Jackson County FPD	Sni Valley FPD	Grain Valley	Levasy	Platte County	Farley	Lake Waukomis	Northmoor	Parkville	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	Ray County	Richmond
Warning system/services	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Hazard data and information	✓	✓	✓	✓			✓				✓	✓	✓	✓		✓		✓		✓
Critical Facility Map/APRS	✓	✓		✓	✓		✓					✓		✓		✓				
HAZUS Analysis							✓											✓	✓	
Existing Land Use Maps	✓	✓		✓	✓		✓	✓		✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
Future Land Use Maps	✓			✓	✓		✓				✓	✓		✓		✓	✓		✓	✓
State Hazard Mitigation Plan	✓	✓		✓	✓					✓	✓	✓	✓			✓	✓	✓	✓	
Grant Writing	✓				✓					✓	✓	✓		✓		✓			✓	✓

Table 3.12: Relevant Measures Incorporated into HMP (Technical Resources)	
CAPABILITY	CASS COUNTY
Warning Systems	Cass Co: Everbridge mass notification system, social media Belton: outdoor warning siren, Everbridge text alert Pleasant Hill: multiple options include text alerts, opt in to Everbridge, and storm sirens Peculiar: Uses electronic texting to participating residents
Hazard Data	Belton: City of Belton EOP
Grant Writing	Cass County: interested in exploring HMPG and EMPG grant opportunities Raymore: Continue to explore multiple grant opportunities in addition to EMPG
Existing Land Use Map	Belton: WebGIS and website Raymore: Local GIS specialist continues to assess and analyze land use
Critical Facilities Map	Cass County: Needs more information to collect data Belton: WebGIS Lake Winnebago: Maps are available hard copy and laptop Pleasant Hill: critical facilities identified in emergency management SOP Raymore: Need to collect more information on critical facilities
CAPABILITY	CLAY COUNTY
Warning Systems	Gladstone: PM system BVPS, Everbridge Kearney: Used for tornadoes and severe weather. Social media; mass email to registered water customers Liberty: Warning sirens, mass texts to cell phones, email Pleasant Valley: tornado siren and public alert system North Kansas City: warning sirens Smithville: Citywide sirens in place Clay County: Outdoor Warning Sirens
Hazard Data	Gladstone: Critical facilities map, identify and pre-plan for critical infrastructure Clay County: LEOP
Existing Land Use Map	Kearney: Future Land Use Map identified future open space that correlates with floodplain areas (Supports continued participation in the NFIP) Liberty: Used to ensure no structures are built
Future Land Use Map	Liberty: Used to ensure no structures are built
CAPABILITY	JACKSON COUNTY
Warning Systems	Independence: SMS Texting System and outdoor siren system Kansas City: Multiple platforms Lee's Summit: Tornado sirens, Everbridge Oak Grove: Outdoor warning sirens, phone app/text/email, social media, indoor warning pager (also for Sni-Valley FPD) Raytown: Outdoor warning sirens, weather radios and communication equipment
Hazard Data	Kansas City, Mo: Information is contained within LEOP; MARC maintains data Oak Grove and Sni-Valley FPD: Lists and GIS maps in LEOP Raytown: Awareness of historical data helps provide hazard analysis
Grant Writing	Sni Valley FPD: have administrative personnel
HAZUS	Sni Valley FPD: Available but insufficient staff time to adequately utilize
Existing Land Use Map	Independence: Available in Community Development Kansas City, Mo: Utilize MARC's products Lee's Summit: FEMA floodplain maps Oak Grove and Sni-Valley FPD: Ongoing GIS data project Raytown: Maps updated

Table 3.12: Relevant Measures Incorporated into HMP (Technical Resources)	
Future Land Use Map	Independence: Available in Community Development Kansas City, Mo: Utilize MARC’s products Lee’s Summit: FEMA floodplain maps (Supports continued participation in the NFIP) Oak Grove: Ongoing GIS data project Sni Valley FPD: Available for Oak Grove only
State Hazard Mitigation Plan	Kansas City, Mo: Reviewed and incorporated into the LEOP Sni Valley FPD: Reviewed for LEOP
CAPABILITY	PLATTE COUNTY
Warning Systems	Platte County: looking at locations for additional sirens with new population growth Parkville: 4 sirens and weather radios in all city buildings Platte City: social media, audible sirens for severe weather Riverside: Use social media sites and Textcaster Weatherby Lake: updated storm sires, use Textcaster
Hazard Data	Platte County: Use of NWS, historical and Tier II data Lake Waukomis: Updating GIS data Northland RAD: Data is kept at county level and through dispatch software Riverside: NWS data
Grant Writing	Platte County: Staff in department help with grants Platte City: In-house person helps with grants Riverside: Grant writing resources available on an as-needed basis
HAZUS	Platte County: Floodplain manager keeps update (Supports continued participation in the NFIP)
Existing Land Use Map	Platte County: County planning team Platte City: Currently used by the city Parkville: in city plan Weatherby Lake: County and city have this capability
Future Land Use Map	Platte County: County planning team Parkville: included in city masterplan Riverside: Limited development in floodplain areas Platte City: Currently used by the city Weatherby Lake: County and city have this capability
SHMP	Platte County: SEMA plans are incorporated in county by reference Platte City: Working knowledge Weatherby Lake: Works along with current plan
Critical Facilities Map	Platte County: Updated in GIS Platte City: In-house use for the city Riverside: Evaluation of Critical infrastructure/facilities for entry into APRS Northland RAD: Data kept at county level and through dispatch software
CAPABILITY	RAY COUNTY
Warning Systems	Ray County: NIXLE mass communication systems Richmond: Monthly testing and maintenance contract
Hazard Data	Richmond: Floodplain and Storm water ordinances (Supports continued participation in the NFIP)
Grant Writing	Richmond: Utilize MARC
Existing Land Use Map	Richmond: Comprehensive Plan
Future Land Use Map	Richmond: Comprehensive Plan

3.3.3 Financial Capabilities

The profile survey collected information about financial capabilities to determine whether the jurisdiction has current or potential funding resources to assist with planning and implementation of mitigation actions. **Table 3.13** shows the type of mitigation actions funded in the last five years for the entire planning area.

Table 3.13: Types of Mitigation Activities Funded by Funding Source					
Funding Resource	Structure and Infrastructure Projects	Local Plans and Regulations	Natural Systems Protection	Education and Awareness Programs	Total Mitigation Activities Funded
Capital Improvement Project Funding	15	4	1	0	20
Authority to levy taxes for specific purposes	13	1	0	0	14
Fees for water, sewer, gas or electric services	11	1	0	0	12
Impact fees for new development	4	2	0	0	6
Storm water utility fee	5	0	0	0	5
Incur debt through general and/or special tax bonds	3	0	0	0	3
Incur debt through private activities	0	0	0	0	0
Community Development Block Grant	3	2	0	2	7
Flood Mitigation Assistance Program	2	0	0	1	3
Pre-Disaster Mitigation Program	3	2	1	0	6
Hazard Mitigation Grant Program	1	1	0	0	2
Other	0	0	0	0	0
<i>Type of Mitigation Activities Total)</i>	60	13	2	3	78

Funding Resources (Community Profile, Part 2B, Question 1)

In Part 2B of the Community Profile Survey, jurisdictions were asked to describe the types of funding resources a jurisdiction has access to and is eligible to use funds for hazard mitigation.

Table 3.14 on the following page shows access or eligibility to use funding resources for hazard mitigation by jurisdiction.

Table 3.14 Jurisdiction Has Ability to Access These Funding Resources

Funding Resources	Cass County	Belton	Harrisonville	Lake Annette	Lake Winnebago	Peculiar	Pleasant Hill	Raymore	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	North Kansas	Smithville	Pleasant Valley	Jackson County	Blue Springs	Grandview	Greenwood	Independence	Kansas City, MO	Lee's Summit
Capital Improvement Project Funding		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Authority to levy taxes for specific purposes	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Fees for water, sewer, gas or electric services	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Impact fees for new development		✓		✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		✓				✓	✓	✓
Storm water utility fee				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓		✓	✓	
Incur debt through general and/or special tax bonds	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
Incur debt through private activities								✓				✓			✓							✓		
Community Development Block Grant		✓	✓			✓			✓	✓		✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓
Flood Mitigation Assistance Program		✓	✓	✓	✓	✓			✓			✓		✓		✓		✓		✓		✓	✓	✓
Pre-Disaster Mitigation Program				✓	✓	✓			✓		✓	✓		✓		✓		✓	✓	✓		✓		✓
Hazard Mitigation Grant Program			✓	✓	✓	✓			✓		✓	✓		✓	✓	✓		✓	✓			✓		✓

TABLE 3.14 JURISDICTION HAS ABILITY TO ACCESS THESE FUNDING RESOURCES	Oak Grove	Raytown	Levasy	Grain Valley	Platte County	Farley	Lake Waukomis	Northmoor	Parkville	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Ray County	Richmond
Capital Improvement Project Funding	✓	✓		✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Authority to levy taxes for specific purposes	✓	✓	✓	✓	✓		✓		✓	✓		✓		✓	✓		✓
Fees for water, sewer, gas or electric services	✓	✓	✓	✓	✓		✓		✓	✓	✓	✓		✓	✓		✓
Impact fees for new development	✓				✓				✓	✓				✓		✓	✓
Storm water utility fee					✓				✓								
Incur debt through general and/or special tax bonds	✓	✓	✓	✓	✓		✓		✓	✓		✓		✓	✓		✓
Incur debt through private activities															✓		
Community Development Block Grant	✓	✓	✓	✓	✓							✓		✓	✓		✓
Flood Mitigation Assistance Program	✓				✓				✓			✓		✓	✓	✓	
Pre-Disaster Mitigation Program	✓				✓		✓		✓		✓	✓		✓	✓	✓	
Hazard Mitigation Grant Program	✓	✓			✓		✓							✓	✓	✓	

3.3.4 Education and Outreach Capabilities

The profile survey collected information about access to existing education and outreach programs that could be used to implement mitigation activities.

Programs and Organizations (Community Profile, Part 2C, Question 1)

In Part 2C of the Community Profile Survey, jurisdictions were asked to state the usefulness of regional and local outreach programs and methods to implement mitigation activities and/or communicate hazard-related information.

Table 3.15 shows which methods were considered useful for implementation.

Table 3.16 describes relevant measures incorporated into the HMP as stated by the jurisdiction.

Table 3.15: Useful Outreach and Awareness Programs for Mitigation Activities by Jurisdiction																	
PROGRAM/ORGANIZATION IS USEFUL TO IMPLEMENT MITIGATION STRATEGIES	Cass County	Belton	Harrisonville	Lake Annette	Lake Winnebago	Peculiar	Pleasant Hill	Raymore	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	North Kansas City	Smithville	Pleasant Valley
Existing Warning Systems																	
Storm sirens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mass notification systems	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓			
CMAS																	
MEMC Project Community Alert	✓				✓						✓			✓			
National Weather Service	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kansas City Scout	✓	✓	✓			✓								✓	✓	✓	✓
Community Partnerships																	
Regional Collaboration	✓	✓	✓		✓		✓	✓	✓	✓	✓	✓		✓	✓		✓
SAVE Coalition	✓		✓		✓										✓		
Kansas City Organizations Active in Disaster	✓		✓		✓				✓								
Community Emergency Response Team		✓	✓	✓	✓			✓	✓		✓			✓	✓		
Medical Reserve Corps of Greater Kansas City	✓				✓			✓	✓		✓			✓			
Ongoing public education or information program	✓	✓	✓		✓	✓	✓	✓	✓		✓				✓		
Natural disaster or safety-related school program	✓	✓				✓	✓	✓					✓	✓			
StormReady certification	✓	✓				✓		✓	✓		✓			✓			
Public-private partnership initiatives (disaster-related)			✓		✓		✓	✓						✓			
Media coverage and public awareness	✓	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓		✓

Table 3.15: Useful Outreach and Awareness Programs for Mitigation Activities by Jurisdiction (Continued)														
PROGRAM/ORGANIZATION IS USEFUL TO IMPLEMENT MITIGATION STRATEGIES	Jackson County	Blue Springs	Grandview	Greenwood	Independence	Kansas City, MO	Lee's Summit	Oak Grove	Raytown	Central Jackson County FPS	Sni Valley FPD	Platte County	Farley	Lake Waukomis
Existing Warning Systems														
Storm sirens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mass notification systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
CMAS	✓						✓	✓		✓	✓			
MEMC Project Community Alert	✓				✓		✓	✓	✓	✓	✓	✓		
National Weather Service	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		
Kansas City Scout	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓		
Community Partnerships														
Regional Collaboration	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓		
SAVE Coalition	✓	✓				✓		✓	✓	✓	✓	✓		
Kansas City Organizations Active in Disaster	✓				✓	✓		✓	✓	✓	✓	✓		
Community Emergency Response Team	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓		
Medical Reserve Corps of Greater Kansas City	✓				✓			✓	✓			✓		
Ongoing public education or information program	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓		
Natural disaster or safety-related school program	✓			✓			✓	✓	✓	✓	✓	✓		
StormReady certification	✓				✓	✓	✓					✓		
Public-private partnership initiatives (disaster-related)	✓			✓										
Media coverage and public awareness	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		

Table 3.15: Useful Outreach and Awareness Programs for Mitigation Activities by Jurisdiction (Continued)												
PROGRAM/ORGANIZATION IS USEFUL TO IMPLEMENT MITIGATION STRATEGIES	Northmoor	Parkville	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	Pleasant Valley	Ray County	Richmond
Existing Warning Systems												
Storm sirens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Mass notification systems	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	
CMAS					✓		✓					
MEMC Project Community Alert		✓	✓		✓		✓					
National Weather Service	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
Kansas City Scout	✓		✓		✓		✓					
Community Partnerships												
Regional Collaboration	✓	✓	✓		✓		✓			✓	✓	
SAVE Coalition	✓		✓		✓		✓	✓				
Kansas City Organizations Active in Disaster	✓	✓	✓				✓	✓			✓	
Community Emergency Response Team	✓	✓	✓				✓	✓				
Medical Reserve Corps of Greater Kansas City	✓	✓	✓		✓		✓					
Ongoing public education or information program	✓	✓	✓	✓	✓		✓	✓		✓	✓✓	✓
Natural disaster or safety-related school program			✓				✓	✓				✓
StormReady certification	✓	✓	✓		✓		✓	✓		✓		
Public-private partnership initiatives (disaster-related)	✓	✓			✓			✓				✓
Media coverage and public awareness	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓

Table 3.16: Relevant Measures Incorporated into HMP (Education and Outreach Resources)

Outreach Resource	Cass County
Storm Sirens	Cass Co: all sirens in county maintained by either a city or fire protection district Lake Annette: Working to install appropriate early warning system/siren Lake Winnebago: New warning system in place Peculiar: Emergency sirens are maintained by city and fire district Raymore: Uses Everbridge and social media
Mass Notification Systems	Cass Co: Everbridge; social media Harrisonville: CodeRed program Peculiar: Mass email and cell phone notification available Raymore: Internal CodeRed; Mass CodeRed; and Social Media
SAVE Coalition	Raymore: City could request SAVE if needed
National Weather Service	Pleasant Hill: city has personnel in NWS office during emergency events
Water Natural Resources Protection (NRI, WRP3)	Raymore: Part of city's illicit elimination and detection program
Storm Shelter Model Ordinance	Belton: Review with Planning Commission
Natural Disaster or Safety-Related School Program	Peculiar: School Resource Officer Raymore: Full-time community and school outreach officer
StormReady Certification	Harrisonville: Have applied in the past Peculiar: Chief of Police is certified
Public-Private Partnership Initiatives (disaster-related)	Raymore: Local churches and businesses are routine mitigation partners Pleasant Hill: Partnership for disaster shelter
Media Coverage and Public Awareness	Raymore: Local media, social media, and community outreach all used to raise public awareness
Outreach Resource	Clay County
Storm Sirens	Kearney: Used to communicate tornado warnings and other severe weather Liberty: utilized for outdoor notification for tornadic activity Clay Co: 7 outdoor storm sirens maintained by the county
Mass Notification Systems	Kearney: Kearney Police Department (KPD) participates in NIXEL and has an active Facebook page. City has the ability to send mass emails to registered water customers. Lawson: text messaging and social media Liberty: Send mass texts and emails Clay County: social media
CMAS	Kearney: KPD participates in NIXEL
National Weather Service	Clay County: Works closely with NWS during weather events Kearney: MERS is received on KPD radios
Kansas City Scout	Kearney: Scout cameras have been installed along I-35, but not message board.

Table 3.16: Relevant Measures Incorporated into HMP (Education and Outreach Resources) (Continued)	
Outreach Resource	Clay County
Regional Homeland Security Coordinating Committee	Clay County Emergency Management is part of this committee.
KC Organizations Active in Disasters	Clay County: Kansas City VOAD, Kansas City COAD
Storm Ready Certification	Clay County: County Wide StormReady Certification
Community Emergency Response Team	Kearney: No such team in Kearney, though the KFRPD is considering
Ongoing Community Outreach	Clay County: Regular outreach events to engage and educate the public
Storm Shelter Model Ordinance	Kearney: Building Code includes provisions for constructing safe rooms
Natural Disaster or Safety-Related School Program	Kearney: KPD participates in the school districts fire/disaster/intruder safety drills Liberty: Teach fire safety in the schools
Media Coverage and Public Awareness	Kearney: Local channel 2 is made available by Fairport
Outreach Resource	Jackson County
Storm Sirens	Jackson County: County addition to Lake Jacomo and Blue Springs Lake Blue Springs: Weather warning Oak Grove: Emergency Management uses Outdoor Warning Sirens with voice public address for numerous other emergency messages and hazards other than weather Independence: Contract with Blue Valley Public Safety to maintain 31 sirens Grandview: some sirens not available Kansas City: goals and actions include adding sirens to increase coverage Sni Valley FPD: Outdoor warning siren in Bates City only; Oak Grove Voice System
Mass Notification Systems	Blue Springs: CodeRed reverse 911 Grandview: NIXLE Kansas City: Alert KC is utilized, goal and action to improve system Independence: EP uses Readytohelp.org for SMS-Currently do not have a comprehensive mass notification system that can be used for contact with the general public. Oak Grove: Emergency Management uses NIXLE.com for emergency messaging Raytown: Nixle is used to broadcast critical information to large audiences Sni Valley FPD: NIXLE.com use for mass notification
CMAS	Oak Grove: WEA will be used through Jackson County for emergency messaging in addition to NIXLE when all end user capability is in place. Sni Valley FPD: Available through Jackson County EMA Kansas City: iPAWS is utilized, action is to increase usage

Table 3.16: Relevant Measures Incorporated into HMP (Education and Outreach Resources) (Continued)	
MEMC Project Community Alert	Independence: EP staff participated in Weather Radio programming event in May 2014 Oak Grove: This is not a warning system-public education/community partnership to educate about and sell NOAA radios Sni Valley FPD: This is not a warning system-public education/community partnership to educate about and sell NOAA radios Lee’s Summit: recommend use of weather radios for indoor notification
National Weather Service	Jackson County: Annual County level weather training Blue Springs: Weather information sharing Independence: EP staff distributes NWS forecast daily to all city employees. EP uses NWS chat during weather events Oak Grove: NOAA Radio Sni Valley: NOAA Radio
Kansas City Scout	Jackson County: Emergency Services (EOC) Belton: Information sharing Independence: Utilized during EOC activations for increased situational awareness Oak Grove: Used to provide notice of incidents affecting highways; provides weather emergency information on message boards and text messages Sni Valley FPD: Same as Oak Grove
Regional Homeland Security Coordinating Committee	Jackson County: Active member Independence: Attended by EP Staff Oak Grove: Provides overall oversight of emergency programs Sni Valle FPD: Provides overall oversight of MARC emergency programs
SAVE Coalition	Oak Grove: SEMA sponsored damage assessment program using architects, engineers, and building officials Sni Valley: Same as Oak Grove
Kansas City Organizations Active in Disaster	Jackson County: KC VOAD Independence: Attended by EP Staff Oak Grove: Coordinates community and voluntary organizations Sni Valley FPD: Same as Oak Grove Grandview: works with American Red Cross
Community Emergency Response Team	Independence: EP has a team in place-Two classes scheduled each year, one in Spring, one in the fall. Oak Grove: Trains citizens to become basic level emergency responders Sni Valley: Same as Oak Grove

Medical Reserve Corps of Greater Kansas City	Independence: EP currently meeting with MRC to try and house program here Oak Grove: Provides organized group of medical personnel available for disasters Sni Valley: Same as Oak Grove
Ongoing Public Education or Information Program	Independence: EP distributes information at several events throughout the year Oak Grove: Oak Grove EMA Safety Information Program Sni Valley FPD: Same as Oak Grove Greenwood: Beginning work
Natural Disaster or Safety-Related School Program	Oak Grove: 4th Grade Safety Education at Oak Grove R-VI Schools by Sni Valley FPD Sni Valley: Same as Oak Grove Greenwood: Beginning work
StormReady Certification	Jackson County: County level StormReady Certification Independence: EP Staff renewed in November 2014 Oak Grove: Not applicable for Oak Grove-Sni Valley due to program requirements Greenwood: Reviewing information
Media Coverage and Public Awareness	Independence: City recently hired PIO; Public awareness campaign is under development Sni Valley: EMA uses combination for pamphlets, Local Access TV, Websites, print media, and public events
Outreach Resource	Platte County
Storm Sirens	Platte County: Monthly tests and statewide testing Platte City: New siren by city hall and recently upgraded and integrated Emmy Lane siren to the county activation Parkville: 4 sirens overlap with the county's system Platte Woods: Siren system activated by KCMO Tracy: Platte County sirens heard throughout city Weatherby Lake: Storm sirens tested every month on the first Wednesday
Mass Notification Systems	Platte County: Numerous forms (Textcaster, Nixle, Nextdoor, facebook, twitter) Lake Waukomis: Nixle, facebook Parkville: TextCaster Platte City: NIXLE Platte Woods: NIXLE Weatherby Lake: TextCaster; NIXLE
CMAS	Weatherby Lake: Available within the city limits and surrounding areas
MEMC Project Community Alert	Platte County: promote every year during storm seasons Platte City: Annual severe weather week at local Price Chopper Weatherby Lake: Done yearly at the local Price Chopper and local events Lake Waukomis, Platte Woods: work with the county

National Weather Service	<p>Platte County: work with local NWS in Pleasant Hill Dearborn: County works with this organization Houston Lake: Member of NWS Weather Ambassador Lake Waukomis: Television; Internet Parkville: use Event service and work closely with their team Tracy: Get Alert Emails through City Hall Internet Weatherby Lake: Have this group in MEMC meetings and online with NWS Chat</p>
Outreach Resource	Platte County
Kansas City Scout	<p>Platte County: Platte County uses message boards and cameras to view traffic Dearborn: County works with this service Parkville: monitor for highway traffic incidents Platte City: In the last five year this has incorporated I29 in Platte City Weatherby Lake: In use on the major highways (I29, I635)</p>
Regional Homeland Security Coordinating Committee	<p>Platte County: Emergency Management is part of this organization Dearborn: Through the county Parkville: Through the county Weatherby Lake: Attend meetings on regular basis Platte City: Through the county</p>
SAVE Coalition	<p>Platte County: Emergency Management specialist are members Dearborn: Through the county Platte City: Through the State of Missouri Weatherby Lake: Several CERT members are part of this group</p>
Kansas City Organizations Active in Disaster	<p>Platte County: Emergency Management is a member Dearborn: Through the county Platte City: Through the county Weatherby Lake: Attend meetings on a regular basis</p>
Community Emergency Response Team	<p>Platte County: Platte County has been involved in CERT since 2003 Lake Waukomis: Pay through the county Platte City: Through the county and city classes Weatherby Lake: Several residents have taken the class</p>
Medical Reserve Corps of Greater Kansas City	<p>Platte County: Platte County recognizes this group Platte City: MARC Weatherby Lake: Aware of the group</p>

Ongoing Public Education or Information Program	Platte County: Continued education throughout the year Platte City: Monthly Newsletter; NIXLE Weatherby Lake: With special events
Natural Disaster or Safety-Related School Program	Platte County: Emergency Management reviews fire drills, tornado drills Platte City: Platte County RIII Weatherby Lake: Park Hill School District
StormReady Certification	Platte County: 2019-2022 Parkville: Through the county Weatherby Lake: Through the county Platte City: Through the county
Media Coverage and Public Awareness	Platte County: PIO on a regional effort Platte City: City Administrator and use Platte County PIO Weatherby Lake: Local media works well with the community
Outreach Resource	Ray County
Mass Notification Systems	Ray County: Included as local warning capability
National Weather Service	Ray County: Work with routinely for storm information

3.3.5 Safe Growth Audit

Data Limitation: The Safe Growth Audit Tables are presented for Cass, Clay, Jackson, Platte and Ray Counties and their respective jurisdictions. Responses are based on data received from the community profile survey.

See Excel File labeled

Tables 3.17 through 3.21: Safe Growth Audit in Appendices

3.17 Cass County

3.18 Clay County

3.19 Jackson County (including KCMO)

3.20 Platte County

3.21 Ray County

3.3.6 Floodplain Management and NFIP Participation

All of the city and county jurisdictions participating in the 2025 Plan are also participants in the National Flood Program. See **Table 3.22** for a list of participants. According to the information on the SEMA website, there are 12 small communities in the Planning Area that have not entered the NFIP or have not remained current with the FEMA requirements – Camden Point, Camden, Elmira, Fleming, Loch Lloyd, Lone Jack, Ridgely, Sibley, Unity Village, Weatherby Lake, West Line and Wood Heights.

Table 3.22: National Flood Program (NFIP) Participation					
Participant	NFIP Participant	Good Standing	Compliance Issues	CAV (last 5 years)	Reason if not an NFIP Participant
Cass County	X	X			
Belton	X	X			
Harrisonville	X	X		X	
Peculiar	X	X			
Pleasant Hill	X	X			
Raymore	X	X			
Clay County	X	X			
Excelsior Springs	X	X			
Gladstone	X	X			
Kearney	X	X		X	
Lawson	X	X			
Liberty	X	X			
North Kansas City	X	X		X	
Pleasant Valley	X	X			
Smithville	X	X			
Jackson County	X	X		X	
Blue Springs	X	X		X	
Grandview	X	X		X	
Greenwood	X	X			
Independence	X	X		X	
Kansas City, Mo.	X	X		X	
Lee's Summit	X	X		X	
Levasy	X	X			
Oak Grove	X	X		X	
Raytown	X	X			
Platte County	X	X		X	
Farley	X	X			
Lake Waukomis		X			
Northmoor	X	X			
Parkville	X	X			
Platte City	X	X			
Platte Woods	X	X			
Riverside	X	X		X	

Participant	NFIP Participant	Good Standing	Compliance Issues	CAV (last 5 years)	Reason if not an NFIP Participant
Weston	X	X		X	
Ray County	X	X		X	
Richmond	X	X			

CAV = Community Assistance Visit

Sources: FEMA Community Status Book/Community Profile Survey

Participant	NFIP Entry Date	Floodplain Administrator	Most Current FIRM
Cass County	2006	Valerie M. McCubbin, Director Building Codes, Environmental Health, Planning and Zoning https://ecode360.com/29288821	1/2/2013
Belton	1974	Ryan Haupt Public Works Permit Center – City of Belton	1/2/2013
Harrisonville	3/15/74	Ted Martin City of Harrisonville, MO Floodplain Management Regulations	1/2/2013
Lake Winnebago	2/25/77	Steve Beserman	1/2/2013
Peculiar	1992	Bartlet & West	1/2/2013
Pleasant Hill	9/15/72	Missy Gentry Chapter 18 - ENVIRONMENT Code of Ordinances Pleasant Hill, MO Municode Library	1/2/2013
Raymore	12/27/74	Lori Crandell City of Raymore, MO Flood Protection	1/2/2013
Clay County	1974	Kipp Jones Section 151-11.6 (C) of the Land Development Code (PDF)	8/3/2015
Excelsior Springs	4/5/74	Melinda Mehaffy City of Excelsior Springs, MO Floodway and Floodway Fringe Overlay District	8/3/2015
Gladstone	5/17/74	Timothy Nebergall	8/3/2015
Kearney	1978	David Pavlich	8/3/2015
Lawson	6/4/1976	Stan Dobbins, City Administrator City of Lawson, MO Floodplain Management	8/3/2015

Liberty	10/18/74	John Findlay ARTICLE XVI. - SITE DEVELOPMENT AND DESIGN STANDARDS Code of Ordinances Liberty, MO Municode Library	8/3/2015
North Kansas City	1976	Anthony Sands Chapter 15.48 - FLOODPLAIN MANAGEMENT Code of Ordinances North Kansas City, MO Municode Library	8/3/2015
Pleasant Valley	3/15/1974	Chris Cronk, PW Director	8/3/2015
Smithville	1972	Mayra Toothman	8/3/2015
Jackson County	1979	Randy Diehl	1/20/2017 & 12/7/2023
Blue Springs	1978	Jake Farrell City of Blue Springs, MO Supplemental Standards	1/20/2017 & 12/7/2023
Grandview	7/19/74	Doug Wesselschmidt Chapter 16 - ENVIRONMENT Code of Ordinances Grandview, MO Municode Library	1/20/2017 & 12/7/2023
Greenwood	6/4/1976	Mitch Armer	1/20/2017 & 12/7/2023
Independence	1978	Brad Phelps Ordinance No. 19502 Code of Ordinances Independence, MO Municode Library Article 7	1/20/2017 & 12/7/2023
Kansas City, Mo.	1978	Bob Lawler Chapter 28 - FLOODPLAIN MANAGEMENT Code of Ordinances Kansas City, MO Municode Library	1/20/2017 & 12/7/2023
Lee's Summit	6/21/74	George Binger III Ordinance No. 10040 Unified Development Ordinance Lee's Summit, MO Municode Library	1/20/2017 & 12/7/2023
Levasy	12/20/1974	Kim Dyer, Mayor	1/20/2017 & 12/7/2023
Oak Grove	2004	Corey Alford Oak Grove, MO Zoning Ordinance Zoneomics	1/20/2017 & 12/7/2023
Raytown	12/21/73	Robinson Camp, PW Dir. Sec. 50-285. - Statutory authorization, findings of fact, and purposes. Code of Ordinances Raytown, MO Municode Library	1/20/2017 & 12/7/2023
Platte County	1982	Daniel Erickson ZONING OVERLAY DISTRICT	1/20/2017 & 12/7/2023
Farley	2010	Mark Manville	1/20/2017 & 12/7/2023
Lake Waukomis	1976	Rick Zelfer	1/20/2017 & 12/7/2023
Northmoor	1974	Joe Harris	1/20/2017 & 12/7/2023
Parkville	1973	Stephen Lachky	1/20/2017 & 12/7/2023

		City of Parkville, MO Supplemental Standards	
Platte City	1990	Summer Lutz	1/20/2017 & 12/7/2023
Platte Woods	1973	Jim Kerns	1/20/2017 & 12/7/2023
Riverside	9/30/1977	Mike Duffy City of Riverside, MO Floodplain Management Regulations	1/20/2017 & 12/7/2023
Tracy	11/22/74	Mark Manville	1/20/2017 & 12/7/2023
Weston	1979	Kent Stelljes	1/20/2017 & 12/7/2023
Ray County	01-19-83	Stacy Wolfe	6/9/2012
Richmond	10/22/76	Lisa Hastings	6/9/2012

What has been done to implement and enforce local floodplain regulations?

Each jurisdiction has adopted a floodplain management ordinance, has designated a full or part-time floodplain administrator, has an application or questionnaire for development applications that require information about addressing floodplain management if the property is within in whole or part a 100-year floodplain, and maintains the current FIRM maps for public review.

How are substantial improvements/substantial damage provisions implemented after a flood event?

Substantial Improvement means any reconstruction, rehabilitation, addition, or other improvement of a structure, the cost of which equals or exceeds 50% of the market value of the structure before the start of construction of the improvement. This term includes structures which have incurred substantial damage from any cause (flood, fire, earthquakes, tornadoes, etc.), regardless of the actual repair work performed (see page 54 of FEMA Guidance P-758). Some Missouri communities track improvements over a period of time and trigger compliance **when the cumulative improvement value equals or exceeds 50%**.

Permits to improve and repair buildings are required. Local officials must:

- Review costs estimates in construction contracts or other documents (including estimate market value of owner labor and donated labor and materials).
- Estimate the market value using property assessment records or use an independent assessment of market value performed by a licensed appraiser.
- Compare the costs of improvements and costs of repairs to the market value of the building.
- Require buildings to be brought into full compliance if the costs equal or exceed 50% of the market value, called Substantial Improvement (or repair of Substantial Damage).

A request was made to the counties and cities participating in the plan to confirm their approach to addressing the SI/SD requirements in their National Flood Insurance Program Ordinance. All jurisdictions require this review and documentation if the value of improvements following flood or other damage or other improvements to a building in the 100-year floodplain is equal to or exceeds 50% of the building's market value.

Each jurisdiction has provisions in their floodplain management ordinance to address this issue.

Table 3.24 Compliance with NFIP Requirements for Substantial Improvement/Substantial Damage

JURISDICTION	Require a permit for any substantial improvements to buildings/structures within the Special Flood Hazard Area (SFHA).	More than 50% of the structure is damaged and improvement must meet NFIP requirements to rebuild	Other, describe
Cass County	✓	✓	<p>"No permit for development shall be granted for new construction, substantial improvements and other improvements within all numbered and unnumbered A Zones unless the conditions of this Section are satisfied."</p> <p>"All residences to be placed or substantially improved (more than fifty percent (50%) of the value) within the "FW", "FF" and the A Zone districts shall be elevated on a permanent foundation such that the lowest floor of the home is at least two (2) feet above base flood elevation and shall be permanently anchored to said foundation. Where no base flood elevation is known, the applicant will hire a registered engineer to determine the B.F.E. An as-built elevation certificate (lowest floor) from a land surveyor will be required upon completion of the building. An occupancy certificate shall not be issued until this document is provided."</p>
Belton	✓	✓	
Harrisonville	✓	✓	
Lake Winnebago	✓	✓	
Peculiar	✓	✓	
Pleasant Hill	✓	✓	
Raymore	✓	✓	
Clay County	✓	✓	
Excelsior Springs	✓	✓	
Gladstone	✓	✓	
Kearney	✓	✓	
Lawson	✓	✓	
Liberty	✓	✓	
North Kansas City	✓	✓	
Pleasant Valley	✓	✓	
Smithville	✓	✓	

JURISDICTION	Require a permit for any substantial improvements to buildings/structures within the Special Flood Hazard Area (SFH).	More than 50% of the structure is damaged and improvement must meet NFIP requirements to rebuild	Other, describe
Jackson County	✓	✓	
Blue Springs	✓	✓	
Grandview	✓	✓	
Greenwood	✓	✓	
Independence	✓	✓	
Kansas City, Mo.	✓	✓	
Lee's Summit	✓	✓	
Levasy	✓	✓	
Oak Grove	✓	✓	
Raytown	✓	✓	
Platte County	✓	✓	
Farley	✓	✓	
Lake Waukomis	✓	✓	
Northmoor	✓	✓	
Parkville	✓	✓	All communities that participate in the National Flood Insurance Program (NFIP) are required to enforce “substantial damage” and “substantial improvements” requirements, which mandate bringing structures into compliance with current floodplain management regulations if a building is damaged by any cause (primarily via flooding, but could also be via fire, wind/tornado, etc. or in Parkville’s case, a train derailment in 1999 wiping out a downtown building that’s located in the 100-year floodplain) and the cost to restore it equals or exceeds 50% of the structure’s pre-damage market value. An example is a house built in the 1960s in the floodplain which is legally non-conforming. If damaged by more than 50% of its market value, any reconstruction of it would have to be brought up to FEMA’s regulations.
Platte City	✓	✓	
Platte Woods	✓	✓	
Riverside	✓	✓	
Weston	✓	✓	
Ray County	✓	✓	
Richmond	✓	✓	

NFIP Insurance Status: Table 3.25 provides a summary of policies in force for jurisdictions in the five-county planning area. This information was obtained from the FEMA NFIP online database.

Community	Policies In-force	Insurance In-force	Total Written Premium + Federal Policy Fee
CASS COUNTY	31	8,772,000	38,223
CLAY COUNTY	18	5,058,000	18,099
JACKSON COUNTY	28	7,764,000	28,640
PLATTE COUNTY	60	1,517,900	52,147
RAY COUNTY	44	7,787,000	53,605
LEE'S SUMMIT, CITY OF	4	1,600,000	61,891
ARCHIE, CITY OF	1	88,000	980
BELTON, CITY OF	5	106,700	2,623
HARRISONVILLE, CITY OF	21	5,669,000	20,681
LAKE ANNETTE, CITY OF	2	260,000	2,130
LAKE WINNEBAGO, CITY OF	6	2,125,000	5,300
PECULIAR, CITY OF	10	1,999,000	11,913
PLEASANT HILL, CITY OF	23	2,491,000	21,786
RAYMORE, CITY OF	17	4,230,000	11,097
EXCELSIOR SPRINGS, CITY OF	8	2,245,000	19,103
GLADSTONE, CITY OF	23	4,723,000	20,898
INDEPENDENCE, CITY OF	111	24,810,000	112,705
KANSAS CITY, CITY OF	419	172,700,000	735,504
KEARNEY, CITY OF	14	4,185,000	18,148
LAWSON, CITY OF	1	109,000	1,702
LIBERTY, CITY OF	35	3,313,000	35,274
PLEASANT VALLEY, CITY OF	5	1,071,000	2,655
MOSBY, CITY OF	6	676,000	5,192
NORTH KANSAS CITY, CITY OF	68	19,688,000	75,714
SMITHVILLE, CITY OF	58	10,515,000	69,187
BLUE SPRINGS, CITY OF	18	5,513,000	17,021
GRAIN VALLEY, CITY OF	14	3,640,000	15,660
GRANDVIEW, CITY OF	16	5,343,000	15,660
GREENWOOD, CITY OF	2	1,000,000	3,894
OAK GROVE, CITY OF	1	350,000	569
RAYTOWN, CITY OF	10	2,017,000	5,173
LEVASY, CITY OF	6	1,155,000	6,523
EDGERTON, CITY OF	2	106,000	1,784
FARLEY, VILLAGE OF	5	1,601,000	6,528
FERRELVIEW, VILLAGE OF	4	2,088,000	2,737
NORTHMOOR, CITY OF	1	500,000	4,464
PARKVILLE, CITY OF	20	6,771,000	14,644
PLATTE CITY, CITY OF	1	304,000	408
RIVERSIDE, CITY OF	24	11,020,000	35,799
WESTON, CITY OF	1	350,000	661
RICHMOND, CITY OF	1	105,000	739

Table 3.26 provides a summary of loss statistics in the five-county planning area. This information was obtained from the FEMA NFIP online database. Data from 2024 Database showing 1998-2023 losses.

Table 3.26 NFIP Loss Statistics as of 9/30/2023 by Jurisdiction					
Community	Total Losses	Single Family	2+ housing	Non-Resid	Total Payments
CASS COUNTY	27	27	0	0	810,437.75
CLAY COUNTY	3	3	0	0	39,642.56
JACKSON COUNTY	11	9	0	2	356,925.09
PLATTE COUNTY	35	33	0	2	1,159,393.08
RAY COUNTY	4	4	0	0	81,222.03
LEE'S SUMMIT, CITY OF	18	6	12	0	374,288.69
BELTON, CITY OF	3	2	0	1	25,212.42
HARRISONVILLE, CITY OF	19	13	3	3	1,001,986
LAKE ANNETTE, CITY OF	10	10	0	0	415,997.86
EAST LYNNE, CITY OF	11	0	0	11	197,562.95
FREEMAN, CITY OF	3	3	0	0	35,950.45
PECULIAR, CITY OF	16	0	0	0	440,669.04
PLEASANT HILL, CITY OF	3	2	0	1	0
RAYMORE, CITY OF	3	3	0	0	5,769.08
AVONDALE, CITY OF	5	5	0	0	44,987.51
CLAYCOMO, CITY OF	28	1	23	4	755,750.44
EXCELSIOR SPRINGS, CITY OF	15	5	0	11	1,356,183.13
GLADSTONE, CITY OF	6	6	0	0	90,266.78
INDEPENDENCE, CITY OF	21	20	0	1	235,310.72
KANSAS CITY, CITY OF	178	99	20	85	10,542,622.50
KEARNEY, CITY OF	1	1	0	0	0
LIBERTY, CITY OF	5	3	0	2	96,393.24
MOSBY, CITY OF	17	17	0	0	193,696.76
NORTH KANSAS CITY, CITY OF	0	0	0	0	0
SMITHVILLE, CITY OF	2	2	2	0	0
BLUE SPRINGS, CITY OF	5	4	1	0	50,441.71
BUCKNER, CITY OF	3	3	0	0	50,866.05
GRAIN VALLEY, CITY OF	1	1	0	0	0
GRANDVIEW, CITY OF	9	6	0	3	428,297.56
GREENWOOD, CITY OF	1	1	0	0	0
LEVASY, CITY OF	13	13	0	0	649,576.51
OAK GROVE, CITY OF	0	0	0	0	0
RAYTOWN, CITY OF	3	2	1	0	15,688.06
SUGAR CREEK, CITY OF	7	0	0	7	104,268.39
LAKE WAUKOMIS, CITY OF	0	0	0	0	0
NORTHMOOR, CITY OF	0	0	0	0	0
PARKVILLE, CITY OF	18	12	0	6	83,003.72
PLATTE CITY, CITY OF	0	0	0	0	0
RIVERSIDE, CITY OF	1	0	0	1	54,413.14
HARDIN, CITY OF	2	2	0	0	6,000
ORRICK, CITY OF	6	6	0	0	45,526.61
TOTAL	2991	2439	2	550	54,943,965.79

Source: Online FEMA LIMITED ACCESS

Repetitive Loss Properties

The Missouri State Hazard Mitigation Plan summarizes repetitive loss properties (RPL) by county. Due to Privacy Act requirements, supplemental information on repetitive loss properties was not provided by SEMA. Therefore, a map depicting mitigated and unmitigated properties was not possible. Table 3.26 depicts the information provided by SEMA for the 2015 plan. Updated information is currently not available from FEMA.

Table 3.27: Number of Repetitive Loss Properties by County and Type					
County	Number of Repetitive Loss Properties	Number of Losses	Residential	Commercial	Total Building Loss
Cass County	37	122	32	5	\$1,475,049.32
Clay County	181	611	338	243	\$8,542,687.58
Jackson County	25	71	25	2	\$425,914.22
Platte County	16	43	13	3	\$723,992.19
Ray County	6	17	5	1	\$173,968.50

Source: <http://bsa.nfipstat.fema.gov/reports/1040.htm> and SEMA

According to the Missouri State Hazard Mitigation Plan, Missouri has 159 Severe Repetitive Loss (SRL) Properties in the state, of which 25 have been mitigated. However, none of those properties were located in the Kansas City planning area. Thirteen of the state's remaining 134 unmitigated properties are located in Cass, Clay, Jackson and Ray Counties. Platte County has no SRL Properties. See Table 3.28: Number of Unmitigated Severe Repetitive Loss Properties.

Table 3.28: Number of Unmitigated Severe Repetitive Loss Properties				
Cass County	Clay County	Jackson County	Platte County	Ray County
3	8	1	0	1

Floodplain Management Regulations

Table 3.29 briefly summarizes the status of a jurisdiction's regulatory components to maintain compliance with the NFIP requirements.

All of those in the NFIP comply with federal insurance requirements to limit redevelopment or new development in the 100-year floodplain.

The latest FIRM maps have been provided to all of the participating jurisdictions. The dates on file with SEMA include (the county maps include all cities):

Cass County	January 2, 2013
Clay County	August 3, 2015
Jackson County	January 20, 2017, and December 7, 2023
Platte County	January 20, 2017, and December 7, 2023
Ray County	June 19, 2012

Source: Wornson, Jacob Jacob.Wornson@sema.dps.mo.gov email dated 3/14/25

Table 3.29: NFIP Regulatory Overview by Jurisdiction					
Jurisdiction	Floodplain Ordinance Adopted	NFIP Entry Date	FIRMS Format	Floodplain Regulations	Permitting Process
Cass County	X	2006	Paper	Exceeds	Apply for permit. Any work that is proposed to be done within the special Flood Hazard areas and requires engineering documenting prior and post work for the floodplain Development permit. County does pre site inspection. After construction another inspection is done to ensure compliance.
Belton	X	2006	Digital	Meets	Floodplain development permit must be submitted to the City Engineer and reviewed.
Harrisonville	X	3/15/74	Digital	Meets	Apply, review, accept or reject
Lake Annette	X	3/16/06	Paper	Meets	Review 100-year flood plain may prior to issuing building permit
Lake Winnebago	X	2/25/77	Paper	Meets	Floodplain management/development Regulation Forms are part of the Building Permit packet information that must be completed for all construction permits.
Peculiar	X	1992	Digital	Meets	An applicant/developer submits our Floodplain Development Permit Application and application fee. The City Engineer then reviews the proposed improvement as to whether or not the property is within the jurisdiction of the City and numbered zone on the FIRM Map.
Pleasant Hill	X	9/15/72	Digital	Meets	Construction in the floodplain requires permit. Elevation where necessary. Listed as a floodplain ordinance and also as a floodway zoning district overlay.
Raymore	X	12/27/74	Digital	Meets	Floodplain impacts are identified during the development application process. Developers must submit appropriate floodplain impact studies to FEMA for approval before they may proceed with the development.
Clay County	X	1974	Paper	Meets	Review/notify adjacent communities and SEMA prior to FEMA. Assure that maintenance is provided within the altered or relocated portion. Verify and record of the actual elevation of substantially improved structures. When floodproofing is utilized for a non-residential structure, the Director of P&Z shall review. Review all subdivision proposals for flooding. Issue flood development permits.
Excelsior Springs	X	4/5/74		Meets	Development permit must be submitted to the Comm Dev Dept for review
Gladstone	X	5/17/74	Digital	Meets	Development in the floodplain requires submittal of a floodplain development permit, which is forwarded for review by City's Floodplain Administrator. Construction and building plans must meet the city's floodplain ordinance, including certification of compliance from an engineer registered in the State of Missouri.

Table 3.29: NFIP Regulatory Overview by Jurisdiction (Continued)

Jurisdiction	Floodplain Ordinance Adopted	NFIP Entry Date	FIRMS Format	Floodplain Regulations	Permitting Process
Kearney	X	1979	Paper	Exceeds	Development in the floodplain requires submittal of a floodplain development permit, which is forwarded for review by the city’s Floodplain Administrator. Construction and building plans must meet the city’s floodplain ordinance, including certification of compliance from an engineer registered in the State of Missouri.
Lawson	X	6/4/1976	Paper	Meets	Use outside resources if have any type of issue. No one on staff is trained.
Liberty	X	1978	Digital	Meets	Must follow UDO Unified Development Ordinance
Pleasant Valley	X	3/15/1974	Paper	Meets	Review 100-year flood plain may prior to issuing building permit obtained through the ordinance requirements.
North Kansas City	X	1976	Paper	Meets	Permit obtained through the ordinance requirements.
Smithville	X	1972	Paper	Meets	Parcels in a flood zone must have engineered and surveyed drainage and submitted for review.
Jackson County	X	1979	Digital	Meets	During the building permit process the site is reviewed against current NFIP data. Once the review and corrections or adjustments are made then the building permit is either approved and issued or held for corrections.
Blue Springs	X	1978	Digital	Exceeds	Included in building permit process. State floodplain development permit
Grandview	X	7/19/74	Paper	Exceeds	Public works, engineer reviews plans for conformance with city code, forwards comments, public works issues permit after coordination with CD department to ensure no conflicts with other parts of building permit process.
Greenwood	X	6/4/1976	Paper	Meets	Included in building permit process, review plans with NFIP flood plain maps
Independence	X	1978	Digital	Exceeds	When a building permit comes in, the site plan is checked for location and utilities. If it is close to a floodplain it is checked to see if it is located in the SFHA. If it is, applicant is notified they need a Floodplain Development permit and an EC before they get a final inspection approval which is required for a CO.
Kansas City, Mo.	X	1978	Digital	Exceeds	Properties checked at time of project submittal for floodplain location, Floodplain Development Permit/Elevation Certificate required for properties in the 100-year floodplain. Floodplain applications reviewed either independent of the construction document building code review or concurrent, at the discretion of the applicant. Floodplain Development Permit issuance required prior to issuance of construction permits.

Table 3.29: NFIP Regulatory Overview by Jurisdiction (Continued)

Jurisdiction	Floodplain Ordinance Adopted	NFIP Entry Date	FIRMS Format	Floodplain Regulations	Permitting Process
Lee's Summit	X	6/21/74	Paper	Meets	A floodplain development permit from the City is required for all work within a floodplain as defined on the Flood Insurance Rate Maps (FIRM) issued by FEMA. If work which places fill within the designated floodplain is hydraulically modeled by a registered Professional Engineer, a City of Lee's Summit "No Rise Certification" may be obtained if and only if the work had no impact to the Base Flood Elevation, in addition to the FEMA-requirements for work or placement of fill within a floodplain.
Levasy	X	12/20/1974	Paper	Meets	Permit obtained through ordinance requirements
Oak Grove	X	2004	Paper	Meets	Permit application with plot plan showing location. Permit issued depending on compliance with regulations.
Raytown	X	12/21/73	Paper and Digital	Meets	Permit obtained through the ordinance requirements
Platte County	X	1982	Paper	Exceeds	FIRMs will be adopted by April 2015 and digital available afterwards.
Farley	X	2010	Digital	Meets	Permit obtained through ordinance requirements
Lake Waukomis	X	1976	Paper	Meets	Permit obtained through ordinance requirements
Northmoor	X	1974	Paper	Meets	Permit obtained through ordinance requirements
Parkville	X	1973	Digital	Meets	Floodplain applications, no-rise certification.
Platte City	X	1990	Paper	Meets	Permit obtained through ordinance requirements
Platte Woods	X	1973	Paper	Meets	Not an NFIP member; not in a floodplain
Riverside	X	9/30/1977	Digital	Meets	Each project within the floodplain is also required to obtain a floodplain permit recommended by the Planning and Zoning Commission and approved by the Board of Aldermen. The City requires projects in the floodplain to provide an elevation certificate indicating that the lowest finished floor is located at least 1 foot above base flood elevation or that the structure is flood-proofed in accordance with the City's adopted floodplain ordinance which is based on the FEMA model ordinance.

Table 3.29: NFIP Regulatory Overview by Jurisdiction (Continued)					
Weston	X	1979	Paper	Meets	No development shall be permitted except through the issuance of a floodplain development permit, granted by the Board of Aldermen or its duly designated representative under such safeguards and restrictions as the Board of Aldermen or the designated representative may reasonably impose for the promotion and maintenance of the general welfare, health of the inhabitants of the community. All floodplain development permits will follow the Weston Code Chapter 415 on Floodplain Management.
Ray County	X	01-19-83	Paper	Meets	Permit obtained through ordinance requirements
Richmond	X	10/22/76	Digital	Exceeds	Plan review committee reviews all plans. Engineering and storm water studies are required to be submitted.

Floodplain Management Staffing

Most NFIP participants staff, with just under half having full-time staff to NFIP administration.

Table 3.30: Status of Staffing Resources for Effective NFIP Administration

Jurisdiction	Dedicated Staff	Auxiliary Function	Permit Review	GIS	Education Outreach	Inspections	Enforcement	Engineering
Cass County	Part time		E	E	E	E	E	E
Belton	Full time	X	E	E	E	E	E	E
Harrisonville	Part time		E	NI	NI	E	E	E
Lake Annette	Part time	X	NI	E	NI	E	E	
Lake Winnebago	Part time	X	E		E	E	E	E
Peculiar	Part time		NI	NI	NI	NI	NI	NI
Pleasant Hill	Part time	X	E	E	NI	E	E	E
Raymore	Part time	X	E	E	E	E	E	E
Clay County	Full time	X	E	E	NI	E	E	NI
Excelsior Springs	Part-time	X	E	E	NI	E	E	NI
Gladstone	Full-time	X	E	E	E	E	E	E
Kearney	Full time	X	E	NI	E	E	E	E
Lawson	Part-time	X	NI	NI	NI	NI	NI	NI
Liberty	Full time	X	E	E	E	E	E	E
Pleasant Valley	Part time		E	NI	NI	NI	NI	NI
N. Kansas City	Full time	X	E	E	E	E	E	E
Smithville	Full time		E	NI	NI	E	E	E
Jackson County	Full time		E	E	E	E	E	E
Blue Springs	Full time	X	E	E	E	E	E	E
Grain Valley	Part-time							
Grandview	Part time	X	E	E	NI	E	E	E
Greenwood	Part time							
Independence	Full time	X	E	E	NI	E	E	E
Kansas City, Mo.	Part time	X	E	E	NI	E	E	E
Levasy	Part time		E					
Lee's Summit	Part time	X	E	E	NI	NI	E	E
Oak Grove	Part time	X	E	E	NI	E	E	E
Raytown	Part-time	X	E	NI	NI	E	E	E
Platte County	Full time	X	E	E/NI	E	E	E	E
Farley	Part time	X	NI			NI	NI	
Lake Waukomis	Full time	X	NI	NI				
Northmoor	Part time							
Parkville	Full time	X	E	E	E	E	E	E
Platte City	Full time	X	E	E	E/NI	E	E	E
Platte Woods	Part-time							
Riverside	Full time	X	E	E	E	E	E	E
Weston	Full time		E	E	E	E	E	E
Ray County	Part time	X	NI	NI	NI	NI	NI	NI
Richmond	Part time	X	E/NI	E/NI	E/NI	E/NI	E/NI	E/NI

E = Effective NI = Needs Improvement E/NI = Effective and Needs Improvement

Community Rating System Participants

Five jurisdictions are currently participants in NFIP’s voluntary Community Rating System (CRS) incentive program. This program recognizes and encourages community floodplain management activities that exceed the minimum NFIP requirements. See **Table 3.31** for details on current activities. X = Included

Table 3.31: Status of Participating Jurisdictions in the CRS Program					
CRS ACTIVITIES	Independence	Kansas City, Mo.	Platte Co	Blue Springs	Lee’s Summit
	<i>Class 8</i>	<i>Class 8</i>	<i>Class 6</i>	<i>Class 7</i>	<i>Class 9</i>
300 Public Information Activities					
Elevation Certificates	X	X	X	X	
<i>Status</i>			<i>Scheduled</i>		
Map Information Service	X	X	X		
<i>Status</i>	<i>Scheduled</i>	<i>Improved/Scheduled</i>	<i>Scheduled</i>		
Outreach Projects	X	X	X	X	
<i>Status</i>	<i>Scheduled</i>	<i>Improved/Scheduled</i>	<i>Scheduled</i>		
Hazard Disclosure			X		
<i>Status</i>		<i>Improved/Scheduled</i>	<i>Scheduled</i>		
Flood Protection Info	X	X	X		
<i>Status</i>	<i>Scheduled</i>		<i>Scheduled</i>		
Flood Protection Asst.			X		
<i>Status</i>			<i>Scheduled</i>		
Flood Insurance Promo		X	X		
<i>Status</i>		<i>Improved</i>	<i>Scheduled</i>		
400 Mapping & Regulations					
Floodplain Mapping	X	X	X	X	
<i>Status</i>		<i>Improved/Scheduled</i>	<i>Scheduled</i>		
Open Space Preservation	X	X	X		
<i>Status</i>		<i>Improved/Scheduled</i>	<i>Scheduled</i>		
Higher Regulatory Standards	X	X	X	X	
<i>Status</i>		<i>Improved/Scheduled</i>	<i>Scheduled</i>		
Flood Data Maintenance	X		X	X	
<i>Status</i>			<i>Scheduled</i>		
Stormwater Management	X		X		
<i>Status</i>			<i>Scheduled</i>		
500 Flood Damage Reduction Activities					
Floodplain Mgmt Planning	X	X	X		
<i>Status</i>		<i>Improved/Scheduled</i>	<i>Scheduled</i>		
Acquisition and Relocation	X	X	X		
<i>Status</i>		<i>Improved/Scheduled</i>	<i>Scheduled</i>		
Flood Protection	X	X	X		
<i>Status</i>		<i>Improved/Scheduled</i>	<i>Scheduled</i>		
Drainage System Maintenance	X				
<i>Status</i>	<i>Scheduled</i>				
600 Warning and Response					
Flood Warning and Response			X		
<i>Status</i>	<i>Scheduled</i>	<i>Scheduled</i>	<i>Scheduled</i>		
Levees			X		
<i>Status</i>	<i>Scheduled</i>		<i>Scheduled</i>		
Dams					
<i>Status</i>	<i>Scheduled</i>				
Does the HMP effort satisfy CRS requirements?			Yes		

3.3.7 School Profile Survey Findings

Table 3.32: School Plans and Policies Inventory					
1. EVACUATION					
School Entity	Plan Adopted	Includes Projects Identified for Mitigation Strategy	Used to Implement Mitigation Actions	Reviewed for HMP Update	Measures incorporated into HMP, if applicable
Archie R-V School District	Yes		Yes		
Harrisonville School District	Yes		Yes		
Pleasant Hill R-III School District	Yes	Yes	Yes		Have identified areas to go in case of emergency
Raymore-Peculiar School District	Yes	Yes	Yes		
Excelsior Springs School District	Yes				
Sherwood-Cass School District	Yes				
Lawson School District	Yes	Yes	Yes		
North Kansas City School District	Yes			Yes	
Smithville R-II School District	Yes	Yes	Yes	Yes	
Blue Springs School District	Yes			Yes	All buildings' evacuation plans are updated, and drills are conducted per RsMO.
Fort Osage R1 School District	Yes	Yes	Yes	Yes	
Grain Valley School District	Yes	Yes		Yes	All buildings' evacuation plans updated
Independence School District	Yes		Yes		
Kansas City School District	Yes	Yes	Yes	Yes	Have identified areas to go in case of emergency.
Lee's Summit School District	Yes	Yes	Yes		
Oak Grove R-VI School District	Yes	Yes	Yes	Yes	Included in community, district LEOP
Metropolitan Community College	Yes	Yes	Yes	Yes	All evacuation plans have been updated
Park Hill School District	Yes	Yes	Yes	Yes	Adopted crisis manual/plan
Park University	Yes				
Platte County R-3 School District	Yes			Yes	Relocation sites updated; ID doors & spaces
Richmond School District	Yes	Yes	Yes		Adopted crisis manual/plan
West Platte R-II School District	Yes		Yes	Yes	

Table 3.32: School Plans and Policies Inventory (Continued)					
2. STORM SHELTER					
School Entity	Plan Adopted	Includes Projects Identified for Mitigation Strategy	Used to Implement Mitigation Actions	Reviewed for HMP Update	Measures incorporated into HMP, if applicable
Archie R-V School District	Yes			Yes	
Harrisonville School District	Yes	Yes	Yes	Yes	
Pleasant Hill R-III School District	Yes	Yes	Yes	Yes	
Raymore-Peculiar School District	Yes	Yes	Yes	Yes	
Sherwood-Cass School District	Yes				Regular Tornado Drills conducted
Excelsior Springs School District	Yes	Yes			
Lawson School District	Yes	Yes	Yes		
North Kansas City School District	Yes	Yes	Yes		
Smithville R-II School District	Yes	Yes	Yes		
Blue Springs School District	Yes	Yes	Yes	Yes	All Buildings' Shelter plans are updated, and Drills are conducted per RsMO. Raptor Alert and SRP have been implemented district wide. 16 out of 22 school buildings have high wind shelters. 5 more will be completed by 2026.
Fort Osage R1 School District	Yes	Yes	Yes	Yes	
Grain Valley School District	Yes	Yes	Yes		
Independence School District	Yes	Yes	Yes		
Kansas City School District	Yes	Yes	Yes	Yes	Tornado drills executed regularly
Lee's Summit School District	Yes	Yes	Yes	Yes	
Oak Grove R-VI School District	Yes	Yes	Yes		
Metropolitan Community College	Yes	Yes	Yes	Yes	Have constructed storm shelter on every campus
Park Hill School District	Yes	Yes	Yes		
Park University	Yes		Yes		
Platte County R-3 School District	Yes				
West Platte R-II School District	Yes		Yes		Built storm shelter as part of a gym project
Richmond School District	No				

Table 3.32: School Plans and Policies Inventory (Continued)					
3. SHELTER-IN-PLACE					
School Entity	Plan Adopted	Includes Projects Identified for Mitigation Strategy	Used to Implement Mitigation Actions	Reviewed for HMP Update	Measures incorporated into HMP, if applicable
Archie R-V School District	Yes				
Harrisonville School District	Yes		Yes	Yes	
Pleasant Hill R-III School District	Yes	Yes	Yes	Yes	
Raymore-Peculiar School District	Yes	Yes	Yes	Yes	Updated to address active shooter
Excelsior Springs School District	Yes			Yes	
Sherwood-Cass School District	Yes				Regular shelter in place drills
Lawson School District	Yes				
North Kansas City School District	Yes			Yes	
Smithville R-II School District	Yes		Yes	Yes	
Blue Springs School District	Yes				All Buildings' Shelter Plans are updated & drills are conducted per RsMO, Raptor & SRP have been implemented district-wide.
Fort Osage R1 School District	Yes	Yes	Yes	Yes	
Grain Valley School District	Yes	Yes	Yes	Yes	
Independence School District	Yes		Yes		
Kansas City School District	Yes	Yes	Yes	Yes	District wide active shooter training annually and training module at Franklin Operations Center
Lee's Summit School District	Yes		Yes	Yes	
Oak Grove R-VI School District	Yes		Yes		
Metropolitan Community College	Yes	Yes	Yes	Yes	Ongoing installation of surveillance equipment across campuses. Upgraded communications systems allowing communications across jurisdictional lines between MCC and other law enforcement agencies and emergency service providers.
Park Hill School District	Yes	Yes	Yes	Yes	Adopted crisis manual/plan
Park University	Yes				

Platte County R-3 School District	Yes		Yes		
West Platte R-II School District	Yes			Yes	
Richmond School District	Yes		Yes		Adopted crisis manual/plan

Table 3.32: School Plans and Policies Inventory (Continued)					
4. INFECTIOUS DISEASE					
School Entity	Plan Adopted	Includes Projects Identified for Mitigation Strategy	Used to Implement Mitigation Actions	Reviewed for HMP Update	Measures incorporated into HMP, if applicable
Archie R-V School District	Yes				
Harrisonville School District	Yes	Yes	Yes		
Pleasant Hill R-III School District	Yes		Yes	Yes	
Raymore-Peculiar School District	Yes	Yes	Yes	Yes	
Excelsior Springs School District	Yes			Yes	
Sherwood-Cass School District					
Lawson School District					
North Kansas City School District	Yes				Coordinate with Health Departments
Smithville R-II School District	Yes	Yes	Yes		
Blue Springs School District					Have Partnership with Jackson Co Health Dept. (MOU executed) for POD locations and FOG in-place.
Fort Osage R1 School District	Yes	Yes	Yes	Yes	
Grain Valley School District	Yes		Yes		COVID Plan
Independence School District	Yes				
Kansas City School District	Yes	Yes	Yes	Yes	Procedures are in place using health dept resources
Lee's Summit School District	Yes		Yes		
Oak Grove R-VI School District					
Metropolitan Community College	Yes	Yes	Yes	Yes	COVID plan in place. MCC implemented contact tracing, monitored entry points, online instructional modalities, cleaning/sanitizing stations with policies and phased reopening of its campuses, infection disease policy in place.

Park Hill School District	Yes	Yes	Yes		
Park University					
Platte County R-3 School District					
West Platte R-II School District					
Richmond School District	Yes	Yes	Yes		

Table 3.32: School Plans and Policies Inventory (Continued)					
5. WATER CONSERVATION MEASURES					
School Entity	Plan Adopted	Includes Projects Identified for Mitigation Strategy	Used to Implement Mitigation Actions	Reviewed for HMP Update	Measures incorporated into HMP, if applicable
Archie R-V School District					
Harrisonville School District					
Pleasant Hill R-III School District	Yes			Yes	
Raymore-Peculiar School District	Yes	Yes	Yes	Yes	
Excelsior Springs School District					
Sherwood-Cass School District					
Lawson School District					
North Kansas City School District					
Smithville R-II School District					
Blue Springs School District					
Fort Osage R1 School District					
Grain Valley School District	Yes				
Independence School District					
Kansas City School District	Yes	Yes			Maintenance staff does regular checks
Lee's Summit School District					
Oak Grove R-VI School District					
Metropolitan Community College	Yes	Yes	Yes	Yes	Majority of campus faucets and flush valves are on motion sensors and low flow

Park Hill School District	Yes	Yes	Yes	Yes	Some older bldgs. Do not have automatic on/off faucets.
Park University					
Platte County R-3 School District					
West Platte R-II School District					
Richmond School District	Yes				

Table 3.32: School Plans and Policies Inventory (Continued)					
6. SECURITY PLAN (Intruder, Lockdown)					
School Entity	Plan Adopted	Includes Projects Identified for Mitigation Strategy	Used to Implement Mitigation Actions	Reviewed for HMP Update	Measures incorporated into HMP, if applicable
Archie R-V School District	Yes		Yes	Yes	
Harrisonville School District	Yes		Yes	Yes	
Pleasant Hill R-III School District	Yes		Yes	Yes	Adopted crisis manual plan
Raymore-Peculiar School District	Yes	Yes	Yes	Yes	
Sherwood-Cass School District	Yes				Replaced windows and doors, installed locks and alarms
Excelsior Springs School District	Yes	Yes	Yes	Yes	
Lawson School District	Yes				
North Kansas City School District	Yes	Yes	Yes	Yes	
Smithville R-II School District	Yes	Yes			
Blue Springs School District	Yes				All Buildings Intruder/Lockdown plans are updated, and Drills are conducted per RsMO. Raptor Alert and SRP have been implemented district wide. Intruder training with all district staff conducted annually. Metal Detectors (wands) at all secondary buildings. Protective window film at all ground level entry doors and the majority of windows. Secure perimeter and Access Control in place.
Fort Osage R1 School District	Yes	Yes	Yes	Yes	
Grain Valley School District	Yes	Yes	Yes	Yes	Intruder drills; trained/certified staff members
Independence School District	Yes	Yes	Yes		Updated all bldgs. With secure entry
Kansas City School District	Yes	Yes	Yes	Yes	Metal detectors at all secondary schools, security plans in place, training for staff/children regarding intruders.
Lee's Summit School District	Yes	Yes	Yes	Yes	
Oak Grove R-VI School District	Yes	Yes	Yes		

Metropolitan Community College	Yes	Yes	Yes	Yes	Installed intrusion detection systems and security cameras, implemented a mass notification system, as well as the Rave texting emergency response system.
Park Hill School District	Yes	Yes	Yes	Yes	
Park University	Yes				
Platte County R-3 School District	Yes	Yes	Yes	Yes	Adopted crisis manual/plan; trained staff for violent intruder
West Platte R-II School District	Yes			Yes	Yearly practices as part of plan and policies
Richmond School District					

Table 3.32: School Plans and Policies Inventory (Continued)						
7. OTHER PLANS						
School Entity	Plan Type	Plan Adopted	Includes Projects Identified for Mitigation Strategy	Used to Implement Mitigation Actions	Reviewed for HMP Update	Measures incorporated into HMP, if applicable
Blue Springs School District	Security resource					1400+ cameras in place. More cameras as needed with 5mp upgrades. Implemented in the 24-25SY: DataSource used to conduct national background checks on all volunteers (1500 screening in 24-25SY). E911 migration complete.
Excelsior Springs School District	Active Shooter/Schoolwide Crisis Management Plan Guide	Yes	Yes	Yes	Yes	Install cameras as needed; all building lobbies secured to prevent visitors beyond the access point; evaluate and improve security and safety of buildings and access; all visitors must submit to background check; adopted plan at Nov 2019 Board of Education meeting.
Kansas City School District	Bullying and Individual Assaults	Yes				Added curriculum to raise awareness
Kansas City School District	Vandalism	Yes	Yes	Yes	Yes	Implementing integrated security system
Kansas City School District	Active Shooter and/or Intruder	Yes	Yes	Yes	Yes	Implementing integrated security system
Park Hill School District	Active Shooter Training and Crisis Plan	Yes	Yes	Yes	Yes	Security camera and communication
Metropolitan Community College	District-wide EAS	Yes	Yes	Yes	Yes	Creation of Continuity of Business Operations Plan
2025 Independence School District	District Wide EAS	Yes	Yea	Yes		Implemented district wide Emergency Alert System Raptor

Table 3.32: School Plans and Policies Inventory (Continued)					
School Entity	Updated Building Codes	Provisions to Elevate Construction	Strengthen Construction	Safe Room Requirements	Profile Survey Completed
Archie R-V School District					Yes
Harrisonville School District					Yes
Pleasant Hill R-III School District	Yes	Yes	Yes		Yes
Raymore-Peculiar School District					Yes
Excelsior Springs School District					Yes
Sherwood-Cass School District			Yes		Yes
Lawson School District					Yes
North Kansas City School District					Yes
Smithville R-II School District					Yes
Blue Springs School District	Yes	Yes	Yes	Yes	Yes
Fort Osage R1 School District	Yes				Yes
Grain Valley School District					Yes
Independence School District	Yes				Yes
Kansas City School District	Yes	Yes	Yes		Yes
Lee's Summit School District	Yes	Yes	Yes	Yes	Yes
Oak Grove R-VI School District	Yes	Yes	Yes	Yes	Yes
Metropolitan Community College	Yes	Yes	Yes	Yes	Yes
Park Hill School District	Yes	Yes	Yes	Yes	Yes
Park University	Yes				Yes
Platte County R-3 School District	Yes	Yes		Yes	Yes
West Platte R-II School District			Yes	Yes	Yes
Richmond School District					

Mitigation Projects Awarded Funding

The state of Missouri reported on Mitigation grants awarded to local jurisdictions since 1993. The following school districts have received grants primarily for safe room projects to mitigate the impacts from tornadoes.

CASS COUNTYArchie R-V School District

Safe Room Structure – Awarded 4/30/2013; Federal \$1,087,661 Non-federal \$362,554

Belton School District

Multi-Purpose Safe Room – Awarded (7/28/2015); Federal \$1,626,664 Non-federal \$542,222

CLAY COUNTYSmithville School District

Safe Room Structure – Awarded 12/13/2010; Federal \$1,191,237 Non-federal \$397,079

Metropolitan Community Colleges District

Maple Woods Community Safe Room – Awarded 8/31/2005; Federal \$2,398,603 Non-federal \$799,534

Excelsior Springs School District

Safe Room Structure – Awarded 3/31/2023 Total Project \$1m009,572

JACKSON COUNTYOak Grove School District

Community Safe Room – Awarded 12/07/2012; Federal \$2,098,627 Non-federal \$699,543

Blue Springs School District

James Lewis Elementary School Safe Room – Awarded 5/3/2016; Federal \$1,417,317 Non-federal \$472,439

Metropolitan Community Colleges District

Mitigation Planning – Awarded 3/30/2004; Federal \$100,000 Non-federal \$33,334

Blue River Community Safe Room – Awarded 8/31/2005; Federal \$1,273,631 Non-federal \$419,101

Longview Community Safe Room – Awarded 8/31/2005; Federal \$2,553,286 Non-federal \$851,095

Pioneer Campus Safe Room – Awarded 7/10/2005; Federal \$566,360 Non-federal \$188,787

Penn Valley Community Safe Room – Awarded 8/31/2005; Federal \$3,000,000 Non-federal \$1,384,811

BTC Community Safe Room – Awarded 8/31/2005; Federal \$993,853 Non-federal \$331,284

PLATTE COUNTYNorth Platte R-I School District

Safe Room – Awarded 7/10/2014; Federal \$362,293 Non-federal \$120,765

RAY COUNTYRichmond R-XVI School District

Safe Room – Awarded 6/11/2013; Federal \$587,322 Non-federal \$195,774

3.4 Regional Capabilities

In addition to local capabilities there are regional capabilities that aid in mitigation efforts. These regional capabilities were included in the community profile survey for jurisdictions' consideration as noted above.

Warning Systems

The planning area still utilizes a variety of warning systems discussed in the 2020 Plan update. These include Project Community Alert; Kansas City Scout; NWS advisories, watches, warnings; NOAA weather radio; EMWIN through the National Weather Service; and, as necessary, the Emergency Alert System. River and stream sensors also monitor water level and stream flow in certain flood-prone waterways. Most school districts in the region provide text/voice/email messaging to the parents of their students to convey information regarding school closings or emergencies.

Virtually all of the urban and suburban portions (i.e., major population centers) of the Kansas City metropolitan area have outdoor warning sirens. However, some rural areas and smaller jurisdictions tend to rely on radio and television broadcasts and the Internet. As the use of social media grows, technological advances have created a new layer of complexity in how warnings are received, disseminated and coordinated.

Community Partnerships

As identified in the 2020 Plan update, many community partnerships and organizations enhance the planning area's overall capability to mitigate and recover from disasters. In particular, emergency management committees have matured since the last plan update. Existing efforts strive to preserve these connections and allow for continued coordination and improved community preparedness. For example, the inclusion of faith-based organizations and organizations serving the functionality and accessibility needs of vulnerable populations. Examples of these community partnerships, committees and programs include:

- Metropolitan Emergency Managers Committee (MEMC)
- Mid-America Local Emergency Planning Committee
- Mid-America Regional Council Emergency Rescue Committee
- Metropolitan Official Health Agencies of the Kansas City Area
- Regional Public Information Officers Organization (RPIO)
- Regional Homeland Security Coordinating Committee
- MEMC Integrated Warning Team
- Regional 9-1-1 System
- Metropolitan Chapter, American Public Works Association
- SAVE Coalition
- Kansas City Organizations Active in Disaster
- Community Emergency Response Teams
- Medical Reserve Corps of Greater Kansas City
- Community Disaster Resiliency Network

Stormwater Management Design Standards: A consortium of over 30 local governments provided funds to MARC to support the update of the resilience-focused stormwater engineering standards known as APWA Section 5600. MARC is facilitating the process to update these standards with consulting support from a team lead by Burns and McDonnell under the auspices of the Kansas City Chapter of the American Public Works Association (APWA).

Reducing the risk of flooding is a shared concern for stormwater management engineers, natural hazard mitigation, and sustainability planners. Given that the Kansas City region has a long history of flooding, and that flood risks are expected to increase in the future, this project has a strong nexus to the hazard mitigation plan. Adoption and implementation of these new standards by participating communities would reduce future risks and vulnerabilities to flooding across the region.

The consultant expects to complete the draft standards in the spring of 2025, and gain feedback from participating local governments. Subsequently, members of the local APWA chapter are anticipated to vote on the adoption of the standards in June 2025. Local governments would then adopt and implement the standards. MARC will continue to provide training and coordination among local governments to support the implementation of the new standards. MARC is encouraging local governments to consider a mitigation action for the new plan to include adoption of the new standards.

The following local governments provided financial support to MARC for this APWA standards' update, demonstrating their interest in new stormwater standards as important mitigation measures.

- Kansas City, MO
- Excelsior Springs, MO
- Riverside, MO
- Independence, MO
- Liberty, MO
- North Kansas City, MO
- Gladstone, MO
- Parkville, MO

The Kansas City Climate Action Coalition formed by local elected officials in 2018 held regular convenings, the largest in September 2019 with over 700 elected and appointed local government officials and members of the public learning about the impacts of a changing climate and steps that could be taken to mitigate impacts. A Climate Action Playbook was released in late fall 2019, a greenhouse gas inventory and reduction plan for the region was completed in 2020 and an update to the Climate Action Playbook was completed in 2024.

Safe Shelter Partnership, advanced by the Eastern Jackson County Emergency Management group (Jackson County/Independence), continues to work in conjunction with the Faith-Based Organization Initiative. Efforts have increased the capability of local faith-based organizations to help congregations, church facilities and surrounding community to be prepared in advance of a crisis or disaster.

Community Disaster Resiliency Network established by MARC in 2018 brings local emergency managers, representatives of nonprofit organizations serving vulnerable populations together to work toward

increasing the resiliency of the agencies and their clients during and after disaster events. Special groups focusing on older adults, young children and faith-based organizations meet on a regular basis. *Core 4* is a collaborative effort between four of the region's largest jurisdictions: City of Kansas City and Jackson County in Missouri and Johnson and Wyandotte Counties in Kansas. This initiative brings together department directors with city/county managers and department heads on a regular basis to collaborate on specific issues and increase communications. This collaboration was used successfully to increase coordination during winter weather events in the past several years. Eastern Jackson County communities, particularly Lee's Summit, Independence and Blue Springs, are also working together. MARC is pursuing additional opportunities for shared services.

Media Coverage and Public Awareness

A wide variety of broadcast and print media outlets serve the region. A list of the Kansas City area's television stations, radio stations and newspapers were provided in the 2010 Plan. The media coverage remains an important venue for information dissemination. Additionally, local governments and other stakeholders involved in hazard mitigation conduct outreach and awareness through the Internet and social media communication methods. The Metropolitan Emergency Managers Committee and Regional Association of Public Information Officers work together on a website for the public on emergency preparedness, www.preparemetrokc.org and on other promotion regarding preparedness for natural hazards.

ⁱ FEMA. Worksheets 4.1- 4.3 Capability Assessment Worksheet, Safe Growth Audit, National Flood Insurance Program Worksheet. Local Mitigation Planning Handbook, March 2013.