

Section 3: Capabilities Assessment

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Section 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, gather information on safe growth audit and 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 2020 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 2020 profile survey used the 2015 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, 38 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.

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	2002		2014	2015	2004	2014
Capital Improvement Plan		2014	2014		2014	2019	2020	2014
Local Emergency Operations Plan	2017	2014	2014		2014	2019	2012	2018
Continuity of Operations Plan	2010	2014	2014		2019	2019		
Public Health Emergency Plan	2014							2014
Storm Water Management Plan	2012	2011			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 110gmt.. Stormwater runoff	Stream setback Soil & erosion Floodplain 110gmt.. Stormwater runoff; open space dedication	Soil & erosion Floodplain 110gmt.. Stormwater runoff; open space dedication	Floodplain mgmt.; open space dedication	Soil & erosion Floodplain 110gmt.. Stormwater runoff	Soil & erosion Floodplain 110gmt.. Stormwater runoff; open space dedication	Floodplain 110gmt.. Stormwater runoff; open space dedication	Stream setback Soil & erosion Floodplain 110gmt.. Stormwater runoff; open space dedication

JURISDICTION HAS AN ADOPTED OR UPDATED PLAN	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	Mosby	North Kansas City	Smithville	Fishing River FPD
Comprehensive/Master Plan	2008	2009	2008	2016	2017	1999	2013	2016	2005	NA
Capital Improvement Plan		2019	2011						2014	
Local Emergency Operations Plan	2014	2012	2018	2009	2016	2012		2018		
Continuity of Operations Plan			2018	2009		2012				
Public Health Emergency Preparedness Plan	2014		2018					2012		
Storm Water Management Plan		2013	2018		2003					NA
Community Wildfire Protection Plan or Burn Ordinance	No	Yes	No	Yes		Yes	No	No	Yes	Yes
Brownfields Redevelopment	No	No	No	No		No	No	No	No	NA
Climate Change Adaption	No	No	No	No		No	No	No	No	NA
RELATED PLANNING ACTIVITIES:										
Building Codes adequately enforced	Yes	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	NA
Land Use Planning utilized by community	Existing & Future	Existing & Future	Existing & Future	Existing & Future	Existing	Existing & Future	No	Existing & Future	Existing & Future	NA
Zoning Ordinance	Yes	yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	NA
Subdivision Ordinance		Yes	Yes	Yes		Yes	No	Yes	Yes	NA
Natural Hazard-related Ordinance(s) adopted	Stream setback Soil & erosion Floodplain 111gmt. Stormwater runoff	Water 111gmt.111ve Stream setback Soil & erosion Floodplain 111gmt. Stormwater runoff	Floodplain 111gmt.. Stormwater runoff	Floodplain 111gmt.. Stormwater runoff	Stormwater 111gmt.; floodplain management	Stream setback Soil & erosion Floodplain 111gmt.	Floodplain 111gmt..	Soil & erosion Floodplain 111gmt.. Stormwater runoff	Soil & erosion Floodplain 111gmt.. Stormwater runoff	NA

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	2002		2018	1995	2005	2000	Adopted	NA	NA
Capital Improvement Plan	2010	2019	2019		2015	2020	2014	2018	2006		
Local Emergency Operations Plan	2014	2014	2013	2007	2015	2018	2004	2007	2014		2007
Continuity of Operations Plan	2012				2015	2019					
Public Health Emergency Preparedness Plan	2013				2012	2019					
Storm Water Management Plan	2013	2018	2018			2019	2014	2013			
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 112gmt.. Stormwater runoff Soil & erosion	Stream setback floodplain 112gmt.. stormwater runoff soil & erosion	Floodplain 112gmt.; open space dedication	Stream setback floodplain 112gmt.. stormwater runoff soil & erosion	Stream setback floodplain 112gmt.. stormwater runoff soil & erosion	Stream setback floodplain 112gmt.. stormwater runoff soil & erosion	Stream setback floodplain 112gmt.. stormwater runoff soil & erosion	Floodplain Mgmt Soil & Erosion; stormwater runoff, open space dedication	NA	NA

JURISDICTION HAS AN ADOPTED OR UPDATED PLAN	Platte County	Dearborn	Farley	Ferrelview	Houston Lake	Lake Waukomis	Northmoor	Parkville
Comprehensive/Master Plan	2010			2013			2010	2019
Capital Improvement Plan	2010					2019		2019
Local Emergency Operations Plan	2019	2019		2013	2019	2019	2010	2015
Continuity of Operations Plan	2010							2015
Public Health Emergency Preparedness Plan	2019	2012				2019		2015
Storm Water Management Plan	2004					2019		2019
Community Wildfire Protection Plan or Burn Ordinance	No	Burn	No	No	Burn	Burn	No	No
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	No	Yes		Yes	Yes	Yes	Yes
Land Use Planning utilized by community	Existing and Future	Existing	Existing				Existing	Existing & Future
Zoning Ordinance utilized by community	Yes	Yes	Yes	Yes	Yes	Yes		Yes
Subdivision Ordinance utilized by community	Yes							Yes
Natural Hazard-related Ordinance(s) adopted	Stormwater runoff Floodplain 113gmt.. Stream setback soil & erosion	Stormwater runoff; Floodplain 113gmt... Stream setback	Floodplain mgmt	Floodplain mgmt	Stormwater runoff Floodplain 113gmt.. Soil & erosion	Floodplain 113gmt..	Stormwater runoff; Floodplain 113gmt..	Stormwater runoff Floodplain 113gmt.. 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	2012		2010		2003	2003	NA	NA
Capital Improvement Plan	2015		2019		2014	2014		
Local Emergency Operations Plan	2014	2014	2019		2010	2010		
Continuity of Operations Plan		2011						
Public Health Emergency Preparedness Plan	2012							
Storm Water Management Plan	2012	2010	2018					
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 114gmt.. 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	2000
Capital Improvement Plan		2014
Local Emergency Operations Plan	2017	1999
Continuity of Operations Plan		
Public Health Emergency Preparedness Plan		
Storm Water Management Plan	2005	1999
Community Wildfire Protection Plan	Yes	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
Natural Hazard-related Ordinance(s) adopted	Floodplain 115gmt.. Stormwater runoff Soil & erosion Stream setback	Floodplain 115gmt.. 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. The 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 particular 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 protection 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 2020 Plan review process. Responses displayed in the 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	Peculiar: Lake Dean Project Pleasant Hill: Includes plan for community shelter (tornado mitigation) Raymore: Inflow and infiltration system improvements (drought mitigation)
Emergency Operations Plan	Cass County is currently updating their LEOP Harrisonville: Updated every year (all hazards mitigation) Pleasant Hill: Includes plan for mitigation and recovery
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) Raymore: Foxhaven storm water improvements; Canter Road improvements. (flood mitigation)
Burn Ordinance	Pleasant Hill: adopted in 2019
CAPABILITY	CLAY COUNTY
Comprehensive Plan	Kearney: Recommends floodplains for open space and park land Mosby: Addresses floods and tornadoes
Emergency Operations Plan	Kearney: Draft emergency operations plan is headed by Kearney Fire (all hazards mitigation)
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)
CAPABILITY	JACKSON COUNTY
Comprehensive Plan	Grandview: Update in progress Kansas City: The city will prepare a new comprehensive plan over the next 2-3 years

Table 3.3: Relevant Measures Incorporated into HMP (Plans/Regulations)	
	Lee's Summit: Development and impact on infrastructure (all hazards mitigation) Oak Grove: Too numerous to list; in revision (all hazards mitigation)
Capital Improvements Plan	Lee's Summit: Storm water management and transportation (flood management) Oak Grove: Annually reviewed with budget; too numerous to list (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)
CAPABILITY	PLATTE COUNTY
Comprehensive Plan	Platte County: Supports ongoing mitigation projects. Parkville: Supports ongoing mitigation projects through resource preservation; setbacks; access strategies Platte City: Storm water sewers have been updated (flood mitigation) Riverside: 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 Houston Lake: Adopted; undergoing revision; complete by October 2015 (all hazards mitigation) 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 Dearborn, 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
Brownfields Redevelopment	Platte City: Community Center
CAPABILITY	RAY COUNTY
Emergency Operations Plan	Ray County: Reviewed to address threats and hazards
Stormwater Management Plan	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. Table 3.5 indicates if the code is adequately enforced and whether the code was reviewed as a part of the HMP update. Table 3.6 described how coded and other relevant measures were incorporated into the HMP by each jurisdiction. Similar tables provide an overview of ordinances and policies.

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					NEC	2005	
Belton	IBC	2012	4	IFC	2012	4	IMC	2012	4	IPC	2012	4	IBC	2012	4			
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		IFC	2011		IMC	2011		IPC	2011					IRC		
Excelsior Springs	IBC	2012	5	IFC	2012	5	IMC	2012	5	IPC	2012	5		1992				
Gladstone	IBC	2015	2	IFC	2018	2	IMC	2015	2	IPC	2015	2	IBC	2015		NEC	2015	
Kearney	IBC	2012	9	IFC	2012	4	IMC	2012	9	IPC	2012	9				NEC	2012	9
Lawson	IBC	2006		NFC			IMC			IPC						NEC		
Liberty	IBC	2012		IFC	2012	2	IMC	2012		IPC	2012							
Mosby	IBC																	
North Kansas City	IBC	2018		IFC	2018	1	IMC	2018		IPC	2018					NEC	2018	
Smithville	IBC	2012	7				IBC	2012		IBC	2012		IPMC	2012				
Fishing River FPD																		
Jackson County	IBC	2010	5	IFC	2010	5	IMC	2010	5	IPC	2010	5						
Blue Springs	IBC	2012	4	IFC	2012	3	IMC	2012	4	IPC	2012	4	IBC	2012	4	IBC	2012	
Grandview	IBC	2012		IFC	2012		IMC	2012		IPC	2012					NEC	2010	
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	2012	4	IFC	2012	3	IMC	2012	4	IPC	2012	4	UCADB					
Oak Grove	IBC	2012	2	IFC	2012	2	IMC	2012	2	IPC	2012	2				NEC	2008	
Raytown	IBC	2018	5	IFC	2018	5	IMC	2018	5	IPC	2018	5	IPMC	2018	5	NEC	2017	5
Central JACO FPD																		
Sni Valley FPD	IBC	2003		IFC	2003		IMC	2003		IPC	2003			2003				2003
Platte County	IBC	2012	5	IFC	2003	2	IMC	2012	5	IPC	2012	5		1993				
Dearborn	IBC	2013	7	IFC	2014	5	IMC	2013										
Farley	IRC	2009																

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
Ferrelview	IBC	2012					IBC	2012		IBC	2012		IBC	2012				
Houston Lake	IRC	2005		IRC	2005		IRC	2005		IRC	2005							
Lake Waukomis	IBC	2012	4	IFC	2018	4	IRC	2003		IRC	2003		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	IC	2018		IC	2018		IC	2018		IC	2018		IC	2018		IC	2011	
Tracy	IBC	2006	4	IBC	2006	4	IBC	2006	4	IBC	2006	4	IBC	2006	4	NEC	2011	4
Weatherby Lake	IRC	2009	3	IFC	2009	4	IRC	2009	3	IRC	2009	3	IRC	2009	3			
Weston	IBC	2000		IBC	2000		IBC	2000		IBC	2000		IBC	2000				
Northland RAD																		
West Platte FPD																		
Ray County	IBC	2015		IFC	2015		IMC	2015		IPC	2015					NEC	2014	
Richmond	IBC	2012	9	IFC	2012	9	IMC	2012	9	IPC	2012	9	IBC	2012	9	NEC	2011	9

- IC – International Code
- IBC – International Building Code
- IFC – International Fire Code
- 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		IFC	X		IMC	X		IPC	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				NEC	X	X
Lawson	IBC	X																
Liberty	IBC	X		IFC	X		IMC	X		IPC	X							
Mosby	IBC	X																
North Kansas City	IBC	X		IFC	X		IMC	X		IPC	X					NEC	X	
Smithville	IBC	X					IBC	X		IBC	X		IPMC					
Fishing River FPD																		
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
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
Central JACO FPD																		
Sni Valley FPD	IBC			IFC			IMC			IPC								

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			
Dearborn	IBC			IFC			IMC											
Farley	IRC	X																
Ferrelview	IBC	X					IBC	X		IBC	X		IBC	X				
Houston Lake	IRC	X		IRC	X		IRC	X		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					
Northland RAD																		
West Platte FPD																		
Ray County	IBC																	
Richmond	IBC	X		IFC	X		IMC	X		IPC	X		IBC	X		NEC	X	

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

- IC – International Code
- IBC – International Building Code
- IFC – International Fire Code
- 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	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: 2012 IRC and IBC
Fire Code	Kearney: KRFPD has a Class 4
Dangerous Building Code	Excelsior Springs: City has local ordinance
Other Codes	Clay County: IRC Kearney: 2012 NEC; 2012 ISPSC North Kansas City: NEC
CAPABILITY	JACKSON COUNTY
Building Code	Grandview: Will update to 2018 by end of 2019 Kansas City: Will update by 3/1/2020
Fire Code Mechanical Code Plumbing Code	Grandview: Will update to 2018 by end of 2019
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: Will update NEC to 2018 by end of 2019 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	Riverside: IC Tracy: NEC
CAPABILITY	RAY COUNTY
Other Codes	Richmond: NEC

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 Annette	Lake Winnebago	Peculiar	Pleasant Hill	Raymore	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	Mosby	North Kansas City	Smithville	Fishing River FPD	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	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓		✓	✓		✓	✓	✓		✓	✓	✓	✓	✓

Table 3.7: Ordinances and Policies Adopted by Local Jurisdictions (Continued)

ORDINANCES ADOPTED BY JURISDICTION	Central Jackson County FPD	Sni Valley FPD	Platte County	Dearborn	Farley	Ferrelview	Houston Lake	Lake Waukomis	Northmoor	Parkville	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	West Platte FPD	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
Floodplain Management Ordinance	Lake Winnebago: City has adopted ordinances as part of the UDO
Soil and Erosion Ordinance	Lake Winnebago: City has adopted UDO Erosion Control Ordinances
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
Storm Water Runoff Ordinance	Lake Winnebago: Adopted in the current Building Codes
Flood Buyout	Raymore: No structures are within the flood hazard area (Supports continued NFIP participation)
Site Plan Review Requirements	Lake Winnebago: Required for all construction permit applications
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
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) Oak Grove: Uniform Development Code (UDC) (Supports continued NFIP participation) Oak Grove: Uniform Development Code (UDC) (Supports continued NFIP participation) Grandview: Update ordinance in January 2018
Soil and Erosion Ordinance	Grandview: Land disturbance permit greater than 1 acre Kansas City: MS4 Program Oak Grove: Follow Federal Clean Water Act
Burn Ordinance (i.e., farmland, prairie)	Oak Grove: Limited to 5 weeks in spring and 5 weeks in fall
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
CAPABILITY	PLATTE COUNTY
Stream Setback Ordinance	Platte County: Planning and Zoning (Supports continued NFIP participation)
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 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) 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)
Flood Buyout	Platte County: Bean Lake 1993 (Supports continued NFIP participation)
Site Plan Review Requirements	Platte County: Planning and Zoning 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 3.99** provides a list of administrative functions fulfilled at the local level by each jurisdiction.

The profiles provide responses on: 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. Error! Reference source not found.0 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 Winnebago	peculiar	Pleasant Hill	Raymore	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	Mosby	North Kansas City	Smithville	Fishing River FPD	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	Central Jackson County FPD	Sni Valley FPD	Platte County	Dearborn	Farley	Ferrelview	Houston Lake	Lake Waukomis	Northmoor	Parkville	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	West Platte FPD	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	Mosby	North Kansas City	Smithville	Fishing River FPD	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	PT	FT	FT		FT	FT	FT		FT	PT	FT	FT
Floodplain Administrator	FT	FT	PT	PT	PT	FT	PT	FT	FT	PT	FT	FT	PT	FT	PT	FT	FT		FT	FT	PT	PT	FT	FT	PT	PT
Emergency Manager	FT	PT	FT	PT	PT	FT	PT	FT	FT	PT	PT		PT	FT	FT	FT	FT		FT	PT	PT	PT	FT	FT	PT	FT
Community Planner	FT	FT	FT	PT	PT	FT	PT	FT	FT		FT	FT		FT	PT	FT	FT		FT	FT	FT		FT	PT	FT	
Civil Engineer		FT	FT	PT	PT	FT		FT			FT	FT	PT	FT	PT	PT			FT	FT	FT		FT	FT	FT	PT
Public Health Official	FT							FT		FT									FT				FT	FT	FT	
IT Support	FT	FT	FT	PT	PT	FT	PT	FT	FT		FT	PT	PT	FT	PT	FT	PT		FT	FT	FT		FT	FT	FT	PT
GIS Coordinator	FT	FT				PT	PT	FT	FT	FT	FT			FT		FT			FT	FT	PT		FT	FT	FT	PT

Table 3.10: Local Staffing Resources by Jurisdiction (Continued)

LOCAL STAFFING (FULL-TIME OR PART-TIME)	LOCAL STAFFING RESOURCES BY JURISDICTION (CONTINUED)																				
	Raytown	Central Jackson County FPD	Sni Valley FPD	Platte County	Dearborn	Farley	Ferrelview	Houston Lake	Lake Waukomis	Northmoor	Parkville	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	West Platte FPD	Ray County	Richmond
Chief Building Official	FT		PT	FT		PT	PT	PT	PT	FT	PT	PT	FT	PT		PT	PT			PT	FT
Floodplain Administrator	PT			FT	PT	PT	PT	PT	PT	PT	FT	FT		FT	PT	FT	FT			PT	FT
Emergency Manager	PT		FT	FT	PT	PT	PT	PT	FT	PT	FT	FT	FT	FT		FT	FT		FT	PT	PT
Community Planner	FT			FT							FT	FT		FT							FT
Civil Engineer	FT			FT					PT		PT	PT		FT		PT					
Public Health Official	PT			FT			PT				FT	FT	PT			FT			FT	FT	
IT Support	FT		PT	FT			PT	PT	FT	PT	PT	PT	PT	FT		PT	PT	PT	PT	PT	
GIS Coordinator	PT		PT	FT							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	Mosby	North Kansas City	Smithville	Fishing River FPD	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	✓					✓		✓	✓		✓			✓	✓		✓		✓	✓	✓		✓	✓	

Table 3.11: Local Technical Resources by Jurisdiction (Continued)

TECHNICAL RESOURCE USEFUL TO LOCAL PLANNING	Oak Grove	Raytown	Central Jackson County FPD	Sni Valley FPD	Platte County	Dearborn	Farley	Ferrelview	Houston Lake	Lake Waukomis	Northmoor	Parkville	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	West Platte FPD	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: VOIP System and warning systems Lake Winnebago: New/Upgraded 2013 Peculiar: Emergency sirens, social media, cellular announcements Pleasant Hill: multiple options include text alerts, reverse 911, opt in to Everbridge, and storm sirens
Hazard Data	Cass County: Information on LEOP and THIRA update completed in 2019 Belton: Full access to all utility data through GIS and Rain Gauge Peculiar: Gates for low water bridge crossings Lake Winnebago: maps available hard copy and digital Pleasant Hill: mapping capabilities; lightning detectors
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	Cass County: does not have 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	Kearney: Used for tornadoes and severe weather Liberty: Warning sirens, mass texts to cell phones, email Smithville: Warning sirens
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 Grandview: test sirens but not alerts Lee's Summit: Several mass public notification systems Oak Grove: Land development fee with building permit to expand service throughout community, continue to expand system Raytown: Outdoor warning sirens, weather radios and communication equipment Sni Valley FPD: District-owned outdoor warning siren in Bates City only
Hazard Data	Independence: Participated in THIRA update Kansas City, Mo: Information is contained within LEOP Oak Grove: Ongoing planning in LEOP Raytown: Awareness of historical data helps provide hazard analysis Sni Valley FPD: Reviewed for LEOP
Grant Writing	Sni Valley FPD: Using Fire Act and SAFER
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

Table 3.12: Relevant Measures Incorporated into HMP (Technical Resources)	
	<p>Oak Grove: Ongoing GIS data project</p> <p>Sni Valley FPD: GIS database</p> <p>Grandview: does not have existing land use map</p>
Future Land Use Map	<p>Independence: Available in Community Development</p> <p>Kansas City, Mo: Utilize MARC’s products</p> <p>Lee’s Summit: FEMA floodplain maps (Supports continued participation in the NFIP)</p> <p>Oak Grove: Ongoing GIS data project</p> <p>Sni Valley FPD: Available for Oak Grove only</p>
SHMP	<p>Kansas City, Mo: Reviewed and incorporated into the LEOP</p> <p>Sni Valley FPD: Reviewed for LEOP</p>
CAPABILITY	PLATTE COUNTY
Warning Systems	<p>Platte County: sets off all sirens in county</p> <p>Dearborn: Tornado siren during severe weather</p> <p>Houston Lake: sirens and weather radios are providing warning systems for county and Riverside</p> <p>Parkville: 4 sirens and weather radios in all city buildings</p> <p>Platte City: NIXLE used to notify residents for all types of events</p> <p>Riverside: Use social media sites and textcaster</p> <p>Weatherby Lake: 2 weather sirens operated by the county</p>
Hazard Data	<p>Platte County: Updated from 2015</p> <p>Parkville: Flood hazard data; new data acquired in 2014 (Supports continued participation in the NFIP)</p> <p>Northland RAD: Data is kept at county level and through dispatch software</p> <p>Weatherby Lake: Use mitigation tool to plan for future events</p>
Grant Writing	<p>Platte County: Several staff in department to help in the process</p> <p>Dearborn: Grant for parks, buildings, city improvement</p> <p>Parkville: Previous used in flood mitigation (Supports continued participation in NFIP)</p> <p>Platte City: In-house person does all types of grants</p> <p>Riverside: Grant writing resources available on an as-needed basis</p> <p>Weatherby Lake: Work with storm water runoff and Park board for enhanced public use access</p>
HAZUS	<p>Platte County: Floodplain manager keeps update (Supports continued participation in the NFIP)</p>
Existing Land Use Map	<p>Platte County: County planning team</p> <p>Platte City: Currently used by the city</p> <p>Parkville: in city plan</p> <p>Weatherby Lake: County and city have this capability</p>
Future Land Use Map	<p>Platte County: County planning team</p> <p>Parkville: included in city masterplan</p> <p>Riverside: Limited development in floodplain areas</p> <p>Platte City: Currently used by the city</p> <p>Weatherby Lake: County and city have this capability</p>
SHMP	<p>Platte County: SEMA plans are incorporated in county by reference</p> <p>Dearborn: County and State have the plans to cover the city</p> <p>Platte City: Working knowledge</p> <p>Weatherby Lake: Works along with current plan</p>
Critical Facilities Map	<p>Platte County: Updated in GIS</p> <p>Platte City: In-house use for the city</p> <p>Riverside: Evaluation of Critical infrastructure/facilities for entry into APRS</p> <p>Northland RAD: Data kept at county level and through dispatch software</p>

Table 3.12: Relevant Measures Incorporated into HMP (Technical Resources)	
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 existing 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	21	5	1	0	27
Authority to levy taxes for specific purposes	18	3	1	0	22
Fees for water, sewer, gas or electric services	16	5	0	0	21
Impact fees for new development	12	4	0	0	16
Storm water utility fee	7	3	0	0	10
Incur debt through general and/or special tax bonds	15	2	1	0	18
Incur debt through private activities	0	0	0	0	0
Community Development Block Grant	5	6	0	1	12
Flood Mitigation Assistance Program	5	3	3	1	12
Pre-Disaster Mitigation Program	3	5	0	2	10
Hazard Mitigation Grant Program	3	4	0	1	8
Other	4	0	0	0	4
<i>Type of Mitigation Activities Total)</i>	109	40	6	5	160

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 shows access or eligibility to use funding resources for hazard mitigation by jurisdiction.

Table 3.14: Access or Eligibility to Use Funding Resource by Jurisdiction

JURISDICTION HAS ABILITY TO ACCESS THESE FUNDING RESOURCES	Cass County	Belton	Harrisonville	Lake Annette	Lake Winnebago	Peculiar	Pleasant Hill	Raymore	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	Mosby	North Kansas City	Smithville	Fishing River FPD	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	✓		✓	✓	✓	✓		✓	✓		✓	✓		✓	✓				✓	✓			✓		✓

JURISDICTION HAS ABILITY TO ACCESS THESE FUNDING RESOURCES	Oak Grove	Raytown	Central Jackson County FPD	Sri Valley FPD	Platte County	Dearborn	Farley	Ferrelview	Houston Lake	Lake Waukomis	Northmoor	Parkville	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	West Platte FPD	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	Mosby	North Kansas City	Smithville	Fishing River FPD
Existing Warning Systems																		
Storm sirens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Mass notification systems	✓		✓	✓	✓	✓	✓	✓				✓	✓	✓				
CMAS	✓													✓				
MEMC Project Community Alert	✓				✓						✓			✓				
National Weather Service	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
Kansas City Scout	✓	✓	✓			✓								✓	✓			
Community Partnerships																		
Regional Homeland Security Coordinating Committee	✓				✓				✓			✓		✓		✓		✓
Metropolitan Emergency Managers Committee	✓	✓			✓	✓		✓	✓	✓	✓			✓				
Mid-America Local Emergency Planning Committee	✓	✓	✓		✓	✓		✓	✓	✓	✓			✓				
Mid-America Regional Council Emergency Rescue Committee		✓	✓							✓	✓	✓		✓		✓		
Metropolitan Official Health Agencies of the Kansas City Area	✓								✓		✓			✓				
Regional 9-1-1 System	✓	✓					✓	✓	✓	✓	✓	✓		✓				
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	✓	✓				✓		✓			✓			✓				✓
Firewise Communities 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	Dearborn	Edgerton	Farley	Ferrelview	Houston Lake	Lake Waukomis
Existing Warning Systems																		
Storm sirens	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓
Mass notification systems	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓
CMAS	✓						✓	✓		✓	✓							
MEMC Project Community Alert	✓				✓		✓	✓	✓	✓	✓	✓	✓					
National Weather Service	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	
Kansas City Scout	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓					
Community Partnerships																		
Regional Homeland Security Coordinating Committee	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Metropolitan Emergency Managers Committee	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓
Mid-America Local Emergency Planning Committee	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Mid-America Regional Council Emergency Rescue Committee		✓	✓		✓	✓	✓	✓		✓	✓			✓				
Metropolitan Official Health Agencies of the Kansas City Area	✓				✓	✓						✓	✓					
Regional 9-1-1 System	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		
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	✓				✓	✓	✓					✓	✓					
Firewise Communities 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	West Platte FPD	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 Homeland Security Coordinating Committee	✓	✓	✓		✓		✓					
Metropolitan Emergency Managers Committee		✓	✓	✓	✓		✓				✓	
Mid-America Local Emergency Planning Committee		✓	✓		✓							
Mid-America Regional Council Emergency Rescue Committee					✓				✓			
Metropolitan Official Health Agencies of the Kansas City Area											✓	
Regional 9-1-1 System		✓			✓			✓			✓	✓
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	✓	✓	✓		✓		✓	✓		✓		
Firewise Communities 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
Firewise Certification	Peculiar: West Peculiar Fire District Chief 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
Mass Notification Systems	Kearney: Kearney Police Department (KPD) participates in NIXEL and has an active Facebook page Lawson: text messaging and social media Liberty: Send mass texts and emails Clay County: NIXEL
CMAS	Kearney: KPD participates in NIXEL
National Weather Service	Kearney: MERS is received on KPD radios
Kansas City Scout	Kearney: Infrastructure being installed by MoDOT and expect availability of system in 2020 or 2021
Regional Homeland Security Coordinating Committee	Kearney Fire & Rescue Protection District (KFRPD) & KPD receive their notices
Mid-America Regional Council Emergency Rescue	Kearney: KFRPD participates in this organization and implements their activities

Table 3.16: Relevant Measures Incorporated into HMP (Education and Outreach Resources) (Continued)	
Outreach Resource	Clay County
Community Emergency Response Team	Kearney: No such team in Kearney, though the KFRPD is considering
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
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

Table 3.16: Relevant Measures Incorporated into HMP (Education and Outreach Resources) (Continued)	
Outreach Resource	Jackson County
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
Mid-America Emergency Managers Committee	Jackson County: Active member Independence: Attended by EP Staff Sni Valle FPD: Same as Oak Grove
Mid-America Local Emergency Planning Committee	Jackson County: Active member Independence: Attended by EP Staff Sni Valley FPD: Same as Oak Grove
Mid-America Regional Council Emergency Rescue Committee	Independence: EP considering attending Oak Grove: Provides planning for emergency medical response including ambulances and hospitals Sni Valley FPD: Same as Oak Grove
Metropolitan Official Health Agencies of the Kansas City Area	Health directors of city and county health departments participate
Regional 9-1-1 System	Jackson County: PSAPs at EJC EOC and Jackson County Sheriff's Office Sni Valley: Coordinates 911 center operations
SAVE Coalition	Oak Grove: SEMA sponsored damage assessment program using achitects, engineers, and building officials Sni Valley: Same as Oak Grove

Table 3.16: Relevant Measures Incorporated into HMP (Education and Outreach Resources) (Continued)	
Outreach Resource	Jackson County
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
Firewise Certification	Kansas City: Do not have this certification
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

Table 3.16: Relevant Measures Incorporated into HMP (Education and Outreach Resources (Continued))	
Outreach Resource	Platte County
Storm Sirens	Platte County: Monthly tests and statewide testing Dearborn: Used in severe weather Houston Lake: Sirens from surrounding close communities are used to alert this community 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) Dearborn: School sends periodic notifications Houston Lake: Web, TextCaster, social media Lake Waukomis: Nixle, facebook Parkville: TextCaster Platte City: NIXLE Platte Wood: NIXLE Weatherby Lake: TextCaster; NIXLE
CMAS	Dearborn: City does not have its own CMAS and relies on the county Weatherby Lake: Available within the city limits and surrounding areas
MEMC Project Community Alert	Platte County: promote every year during storm seasons Dearborn: County provides this service 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	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

Table 3.16: Relevant Measures Incorporated into HMP (Education and Outreach Resources (Continued))	
Outreach Resource	Platte County
Kansas City Scout	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)
Regional Homeland Security Coordinating Committee	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
Mid-America Emergency Managers Committee	Platte County: Emergency Management team are members Dearborn: Through the county Platte City: Through the county Weatherby Lake: Attend meetings on a regular basis
Mid-America Local Emergency Planning Committee	Platte County: Emergency Management is part of this Dearborn: Through the county Houston Lake: Open communication avenues and liaisons Platte City: Through the county Weatherby Lake: Attend meetings on a regular basis
Metropolitan Official Health Agencies of the Kansas City Area	Platte County Health Department is a member
Regional 9-1-1 System	Platte County: Platte County is a PSAP
SAVE Coalition	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
Kansas City Organizations Active in Disaster	Platte County: Emergency Management is a member Dearborn: Through the county Platte City: Through the county Weatherby Lake: Attend meetings on a regular basis

Table 3.16: Relevant Measures Incorporated into HMP (Education and Outreach Resources (Continued))	
Outreach Resource	Platte County
Community Emergency Response Team	Platte County: Platte County has been involved in CERT since 2003 Dearborn: Through the county Houston Lake: Ongoing CERT team recruitment and part of Northland CERT Team Lake Waukomis: Pay through the county Platte City: Through the county and city classes Weatherby Lake: Several residents have taken the class
Medical Reserve Corps of Greater Kansas City	Platte County: Platte County recognizes this group Dearborn: The region has this service Platte City: MARC Weatherby Lake: Aware of the group
Ongoing Public Education or Information Program	Platte County: Continued education throughout the year Dearborn: Through the county 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 Dearborn: School has this program Platte City: Platte County RIII Weatherby Lake: Park Hill School District
StormReady Certification	Platte County: 2019-2022 Dearborn: Through the county 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 Dearborn: County provides this service 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.

Table 3.17: Safe Growth Audit Summary for Cass County	Cass County	Belton	Harrisonville	Lake Annette	Lake Winnebago	Peculiar	Pleasant Hill	Raymore
Land Use								
Land use policies define an urban services area.	✓		✓			✓		
Land use policies contain provisions for hazard zone identification.			✓			✓		
Land use policies discourage development and/or redevelopment within natural hazard areas.	✓	✓	✓			✓	✓	
The future land use map in the comprehensive plan clearly identifies natural hazard areas.			✓			✓		
The comprehensive plan provides adequate space for expected future growth in areas located outside of natural hazard areas.	✓		✓			✓	✓	
Land use policies require storm water engineering studies prior to development.	✓	✓	✓			✓	✓	
Transportation								
The transportation plan limits access to hazard areas.								
Transportation policy is used to guide future growth to safe locations.	✓		✓			✓		
Movement systems are designed to function under disaster conditions (e.g., evacuation).	✓		✓			✓		
Environmental Management								
Environmental systems that protect development from hazards are identified and mapped.						✓		✓
Environmental policies maintain and restore protective ecosystems.	✓		✓					✓
Environmental policies provide incentives to development located outside protective ecosystems.						✓		✓
Public Safety								
The goals and policies of the comprehensive plan are related to those of the Hazard Mitigation Plan.			✓			✓	✓	
Safety is explicitly included in the plan’s growth and development policies.			✓					
The monitoring and implementation section of the plan covers safe growth objectives.			✓			✓		
Building Codes								
The building code contains provisions to elevate construction to withstand hazard forces.	✓	✓	✓			✓	✓	✓
The code contains wind resistance provisions to strengthen construction to withstand hazard forces.	✓	✓	✓			✓	✓	✓
The code contains safe room or storm shelter requirements.		✓	✓			✓	✓	

Table 3.17: Safe Growth Audit Summary for Cass County (Continued)		Cass County	Belton	Harrisonville	Lake Annette	Lake Winnebago	Peculiar	Pleasant Hill	Raymore
Zoning Ordinance									
The zoning ordinance conforms to the comprehensive plan in terms of discouraging development or redevelopment within natural hazard areas.		✓	✓				✓	✓	
The ordinance contains natural hazard overlay zones or districts that set conditions for land use within such zones.		✓					✓	✓	✓
The zoning ordinance contains mitigation performance standards.		✓					✓		✓
The ordinance prohibits development within, or filling of, wetlands, floodways, and floodplains.		✓	✓				✓	✓	✓
Rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use.		✓					✓		✓
Subdivision Regulations									
Subdivision regulations contain an adopted hazard disclosure.									✓
The regulations contain a provision for soil report evaluations.							✓		
The regulations restrict the subdivision of land within or adjacent to natural hazard areas.		✓					✓	✓	✓
The regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources.							✓		✓
The regulations allow density transfers where hazard exist.									
Capital Improvement Program and Infrastructure Policies									
The capital improvements program limits expenditures on projects that would encourage development and/or redevelopment in areas vulnerable to natural hazards.							✓		
Infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards.							✓		
The capital improvements program provides funding for hazard mitigation projects.			✓	✓	✓		✓	✓	
Other									
Small area or corridor plans recognize the need to avoid or mitigate natural hazards.		✓		✓	✓		✓	✓	
An evacuation and shelter plan is adopted to deal with emergencies from natural hazards.		✓	✓	✓	✓		✓	✓	✓
Economic development and/or redevelopment strategies include provisions for mitigating natural hazards.		✓	✓	✓	✓		✓		

Table 3.18: Safe Growth Audit Summary for Clay County										
	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	Mosby	North Kansas City	Smithville	Fishing River FPD
Land Use										
Land use policies define an urban services area.	✓	✓		✓		✓				
Land use policies contain provisions for hazard zone identification.				✓		✓	✓		✓	
Land use policies discourage development and/or redevelopment within natural hazard areas.	✓			✓		✓	✓		✓	
The future land use map in the comprehensive plan clearly identifies natural hazard areas.				✓		✓			✓	
The comprehensive plan provides adequate space for expected future growth in areas located outside of natural hazard areas.	✓			✓		✓			✓	
Land use policies require storm water engineering studies prior to development.	✓		✓	✓		✓		✓	✓	
Transportation										
The transportation plan limits access to hazard areas.			✓			✓				
Transportation policy is used to guide future growth to safe locations.	✓		✓	✓		✓				
Movement systems are designed to function under disaster conditions (e.g., evacuation).			✓			✓				
Environmental Management										
Environmental systems that protect development from hazards are identified and mapped.						✓				
Environmental policies maintain and restore protective ecosystems.				✓		✓				
Environmental policies provide incentives to development located outside protective ecosystems.				✓		✓				
Public Safety										
The goals and policies of the comprehensive plan are related to those of the Hazard Mitigation Plan.			✓	✓		✓	✓	✓		✓
Safety is explicitly included in the plan’s growth and development policies.			✓			✓			✓	✓
The monitoring and implementation section of the plan covers safe growth objectives.			✓			✓				✓
Building Codes										
The building code contains provisions to elevate construction to withstand hazard forces.	✓		✓	✓		✓	✓	✓	✓	
The code contains wind resistance provisions to strengthen construction to withstand hazard forces.			✓	✓		✓		✓	✓	
The code contains safe room or storm shelter requirements.			✓	✓		✓				

Table 3.18: Safe Growth Audit Summary for Clay County (Continued)										
	Clay County	Excelsior Springs	Gladstone	Kearney	Lawson	Liberty	Mosby	North Kansas City	Smithville	Fishing River FPD
Zoning Ordinance										
The zoning ordinance conforms to the comprehensive plan in terms of discouraging development or redevelopment within natural hazard areas.	✓		✓	✓		✓	✓	✓	✓	
The ordinance contains natural hazard overlay zones or districts that set conditions for land use within such zones.	✓			✓		✓		✓	✓	
The zoning ordinance contains mitigation performance standards.	✓		✓	✓		✓			✓	
The ordinance prohibits development within, or filling of, wetlands, floodways, and floodplains.	✓		✓	✓		✓	✓			
Rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use.			✓	✓		✓	✓		✓	
Subdivision Regulations										
Subdivision regulations contain an adopted hazard disclosure.			✓					✓		
The regulations contain a provision for soil report evaluations.									✓	
The regulations restrict the subdivision of land within or adjacent to natural hazard areas.	✓		✓	✓		✓			✓	
The regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources.				✓		✓			✓	
The regulations allow density transfers where hazard exist.				✓		☐			☐	
Capital Improvement Program and Infrastructure Policies										
The capital improvements program limits expenditures on projects that would encourage development and/or redevelopment in areas vulnerable to natural hazards.	✓		✓			✓			✓	
Infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards.	✓		✓			✓	✓		✓	
The capital improvements program provides funding for hazard mitigation projects.			✓			✓				
Other										
Small area or corridor plans recognize the need to avoid or mitigate natural hazards.			✓			✓				
An evacuation and shelter plan is adopted to deal with emergencies from natural hazards.			✓			✓		✓		
Economic development and/or redevelopment strategies include provisions for mitigating natural hazards.						✓	✓			

Table 3.19: Safe Growth Audit Summary for Jackson County											
	Jackson County	Blue Springs	Grandview	Greenwood	Independence	Kansas City, MO	Lee's Summit	Oak Grove	Raytown	Central JACO FPD	Sni Valley FPD
Land Use											
Land use policies define an urban services area.	✓	✓				✓			✓		
Land use policies contain provisions for hazard zone identification.	✓				✓	✓	✓	✓			
Land use policies discourage development and/or redevelopment within natural hazard areas.	✓	✓	✓		✓	✓	✓	✓	✓		
The future land use map in the comprehensive plan clearly identifies natural hazard areas.	✓	✓		✓	✓	✓	✓	✓	✓		
The comprehensive plan provides adequate space for expected future growth in areas located outside of natural hazard areas.	✓	✓	✓		✓		✓	✓			
Land use policies require storm water engineering studies prior to development.	✓	✓	✓		✓	✓	✓	✓	✓		
Transportation											
The transportation plan limits access to hazard areas.			✓				✓				
Transportation policy is used to guide future growth to safe locations.	✓	✓	✓				✓	✓			
Movement systems are designed to function under disaster conditions (e.g., evacuation).	✓	✓	✓					✓			
Environmental Management											
Environmental systems that protect development from hazards are identified and mapped.	✓				✓		✓	✓			
Environmental policies maintain and restore protective ecosystems.	✓				✓	✓	✓	✓	✓		
Environmental policies provide incentives to development located outside protective ecosystems.	✓						✓	✓			
Public Safety											
The goals and policies of the comprehensive plan are related to those of the Hazard Mitigation Plan.	✓				✓			✓			
Safety is explicitly included in the plan's growth and development policies.	✓				✓			✓			
The monitoring and implementation section of the plan covers safe growth objectives.	✓							✓			
Building Codes											
The building code contains provisions to elevate construction to withstand hazard forces.	✓	✓	✓		✓	✓		✓			✓
The code contains wind resistance provisions to strengthen construction to withstand hazard forces.	✓	✓	✓		✓	✓	✓	✓			✓
The code contains safe room or storm shelter requirements.	✓	✓	✓		✓	✓		✓			✓

<p>Table 3.19: Safe Growth Audit Summary for Jackson County (Continued)</p>	<p>Jackson County</p>	<p>Blue Springs</p>	<p>Grandview</p>	<p>Greenwood</p>	<p>Independence</p>	<p>Kansas City, MO</p>	<p>Lee's Summit</p>	<p>Oak Grove</p>	<p>Raytown</p>	<p>Central JACO FPD</p>	<p>Sni Valley FPD</p>
<p>Zoning Ordinance</p>											
<p>The zoning ordinance conforms to the comprehensive plan in terms of discouraging development or redevelopment within natural hazard areas.</p>	✓	✓			✓	✓	✓	✓	✓		
<p>The ordinance contains natural hazard overlay zones or districts that set conditions for land use within such zones.</p>	✓	✓			✓	✓	✓	✓	✓		
<p>The zoning ordinance contains mitigation performance standards.</p>		✓			✓			✓			
<p>The ordinance prohibits development within, or filling of, wetlands, floodways, and floodplains.</p>	✓	✓	✓		✓	✓	✓	✓	✓		
<p>Rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use.</p>	✓	✓	✓		✓	✓		✓	✓		
<p>Subdivision Regulations</p>											
<p>Subdivision regulations contain an adopted hazard disclosure.</p>	✓	✓					✓	✓			
<p>The regulations contain a provision for soil report evaluations.</p>	✓	✓			✓			✓			
<p>The regulations restrict the subdivision of land within or adjacent to natural hazard areas.</p>	✓	✓			✓	✓	✓	✓			
<p>The regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources.</p>	✓	✓			✓	✓	✓	✓			
<p>The regulations allow density transfers where hazard exist.</p>	✓	✓			✓	✓	✓				
<p>Capital Improvement Program and Infrastructure Policies</p>											
<p>The capital improvements program limits expenditures on projects that would encourage development and/or redevelopment in areas vulnerable to natural hazards.</p>	✓						✓				✓
<p>Infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards.</p>	✓				✓		✓				✓
<p>The capital improvements program provides funding for hazard mitigation projects.</p>	✓				✓		✓	✓			✓
<p>Other</p>											
<p>Small area or corridor plans recognize the need to avoid or mitigate natural hazards.</p>	✓	✓				✓	✓	✓			
<p>An evacuation and shelter plan is adopted to deal with emergencies from natural hazards.</p>	✓	✓			✓	✓		✓			✓
<p>Economic development and/or redevelopment strategies include provisions for mitigating natural hazards.</p>	✓		✓		✓	✓	✓				

Table 3.20: Safe Growth Audit Summary for Platte County, Part 1		Platte County	Dearborn	Farley	Ferrelview	Houston Lake	Lake Waukomis	Northmoor	Parkville
Land Use									
Land use policies define an urban services area.	✓								✓
Land use policies contain provisions for hazard zone identification.	✓					✓			✓
Land use policies discourage development and/or redevelopment within natural hazard areas.	✓			✓	✓	✓			✓
The future land use map in the comprehensive plan clearly identifies natural hazard areas.	✓			✓	✓				✓
The comprehensive plan provides adequate space for expected future growth in areas located outside of natural hazard areas.	✓						✓		✓
Land use policies require storm water engineering studies prior to development.	✓			✓			✓		✓
Transportation									
The transportation plan limits access to hazard areas.	✓					✓	✓		
Transportation policy is used to guide future growth to safe locations.	✓					✓	✓		✓
Movement systems are designed to function under disaster conditions (e.g., evacuation).	✓							✓	
Environmental Management									
Environmental systems that protect development from hazards are identified and mapped.	✓					✓	✓		
Environmental policies maintain and restore protective ecosystems.	✓						✓		
Environmental policies provide incentives to development located outside protective ecosystems.							✓		
Public Safety									
The goals and policies of the comprehensive plan are related to those of the Hazard Mitigation Plan.	✓					✓	✓	✓	✓
Safety is explicitly included in the plan’s growth and development policies.	✓					✓	✓	✓	✓
The monitoring and implementation section of the plan covers safe growth objectives.	✓						✓	✓	✓
Building Codes									
The building code contains provisions to elevate construction to withstand hazard forces.	✓					✓	✓	✓	✓
The code contains wind resistance provisions to strengthen construction to withstand hazard forces.	✓					✓	✓	✓	✓
The code contains safe room or storm shelter requirements.	✓								

Table 3.20: Safe Growth Audit Summary for Platte County, Part 1 (Continued)		Platte County	Dearborn	Farley	Ferrelview	Houston Lake	Lake Waukomis	Northmoor	Parkville
Zoning Ordinance									
The zoning ordinance conforms to the comprehensive plan in terms of discouraging development or redevelopment within natural hazard areas.	✓			✓	✓	✓			
The ordinance contains natural hazard overlay zones or districts that set conditions for land use within such zones.					✓				
The zoning ordinance contains mitigation performance standards.	✓					✓			
The ordinance prohibits development within, or filling of, wetlands, floodways, and floodplains.	✓			✓	✓	✓			✓
Rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use.					✓	✓			
Subdivision Regulations									
Subdivision regulations contain an adopted hazard disclosure.	✓								
The regulations contain a provision for soil report evaluations.						✓			
The regulations restrict the subdivision of land within or adjacent to natural hazard areas.	✓					✓			
The regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources.	✓					✓			
The regulations allow density transfers where hazard exist.									
Capital Improvement Program and Infrastructure Policies									
The capital improvements program limits expenditures on projects that would encourage development and/or redevelopment in areas vulnerable to natural hazards.						✓			
Infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards.	✓				✓	✓			
The capital improvements program provides funding for hazard mitigation projects.	✓					✓			✓
Other									
Small area or corridor plans recognize the need to avoid or mitigate natural hazards.	✓								✓
An evacuation and shelter plan is adopted to deal with emergencies from natural hazards.	✓								✓
Economic development and/or redevelopment strategies include provisions for mitigating natural hazards.						✓			✓

Table 3.21: Safe Growth Audit Summary for Platte County, Part 2		Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	West Platte FPD
Land Use									
Land use policies define an urban services area.		✓							
Land use policies contain provisions for hazard zone identification.								✓	
Land use policies discourage development and/or redevelopment within natural hazard areas.	✓		✓				✓	✓	
The future land use map in the comprehensive plan clearly identifies natural hazard areas.			✓					✓	
The comprehensive plan provides adequate space for expected future growth in areas located outside of natural hazard areas.	✓		✓					✓	
Land use policies require storm water engineering studies prior to development.	✓	✓	✓	✓	✓	✓	✓	✓	
Transportation									
The transportation plan limits access to hazard areas.	✓								
Transportation policy is used to guide future growth to safe locations.	✓								
Movement systems are designed to function under disaster conditions (e.g., evacuation).									
Environmental Management									
Environmental systems that protect development from hazards are identified and mapped.	✓							✓	
Environmental policies maintain and restore protective ecosystems.	✓								
Environmental policies provide incentives to development located outside protective ecosystems.	✓								
Public Safety									
The goals and policies of the comprehensive plan are related to those of the Hazard Mitigation Plan.	✓	✓				✓		✓	
Safety is explicitly included in the plan's growth and development policies.	✓	✓				✓		✓	
The monitoring and implementation section of the plan covers safe growth objectives.	✓					✓	✓	✓	
Building Codes									
The building code contains provisions to elevate construction to withstand hazard forces.	✓	✓				✓	✓		
The code contains wind resistance provisions to strengthen construction to withstand hazard forces.	✓	✓				✓			
The code contains safe room or storm shelter requirements.									

<p align="center">Table 3.21: Safe Growth Audit Summary for Platte County, Part 2 (Continued)</p>	Platte City	Platte Woods	Riverside	Tracy	Weatherby Lake	Weston	Northland RAD	West Platte FPD
	Zoning Ordinance							
The zoning ordinance conforms to the comprehensive plan in terms of discouraging development or redevelopment within natural hazard areas.	✓	✓	✓			✓		
The ordinance contains natural hazard overlay zones or districts that set conditions for land use within such zones.		✓				✓		
The zoning ordinance contains mitigation performance standards.	✓		✓					
The ordinance prohibits development within, or filling of, wetlands, floodways, and floodplains.	✓		✓	✓		✓		
Rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use.	✓					✓		
Subdivision Regulations								
Subdivision regulations contain an adopted hazard disclosure.								
The regulations contain a provision for soil report evaluations.	✓					✓		
The regulations restrict the subdivision of land within or adjacent to natural hazard areas.	✓					✓		
The regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources.	✓		✓		✓	✓		
The regulations allow density transfers where hazard exist.			✓					
Capital Improvement Program and Infrastructure Policies								
The capital improvements program limits expenditures on projects that would encourage development and/or redevelopment in areas vulnerable to natural hazards.	✓							
Infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards.	✓							
The capital improvements program provides funding for hazard mitigation projects.	✓		✓					
Other								
Small area or corridor plans recognize the need to avoid or mitigate natural hazards.								
An evacuation and shelter plan is adopted to deal with emergencies from natural hazards.		✓	✓			✓		
Economic development and/or redevelopment strategies include provisions for mitigating natural hazards.	✓	✓	✓			✓		

Table 3.22: Safe Growth Audit Summary for Ray County		Ray County	Richmond
Land Use			
Land use policies define an urban services area.			✓
Land use policies contain provisions for hazard zone identification.		✓	
Land use policies discourage development and/or redevelopment within natural hazard areas.		✓	
The future land use map in the comprehensive plan clearly identifies natural hazard areas.		✓	✓
The comprehensive plan provides adequate space for expected future growth in areas located outside of natural hazard areas.			✓
Land use policies require storm water engineering studies prior to development.		✓	✓
Transportation			
The transportation plan limits access to hazard areas.			
Transportation policy is used to guide future growth to safe locations.			
Movement systems are designed to function under disaster conditions (e.g., evacuation).			
Environmental Management			
Environmental systems that protect development from hazards are identified and mapped.			
Environmental policies maintain and restore protective ecosystems.			
Environmental policies provide incentives to development located outside protective ecosystems.			
Public Safety			
The goals and policies of the comprehensive plan are related to those of the Hazard Mitigation Plan.			
Safety is explicitly included in the plan’s growth and development policies.			
The monitoring and implementation section of the plan covers safe growth objectives.			
Building Codes			
The building code contains provisions to elevate construction to withstand hazard forces.		✓	✓
The code contains wind resistance provisions to strengthen construction to withstand hazard forces.		✓	✓
The code contains safe room or storm shelter requirements.			✓

Table 3.22: Safe Growth Audit Summary for Ray County (Continued)	Ray County	Richmond
Zoning Ordinance		
The zoning ordinance conforms to the comprehensive plan in terms of discouraging development or redevelopment within natural hazard areas.	✓	✓
The ordinance contains natural hazard overlay zones or districts that set conditions for land use within such zones.	✓	
The zoning ordinance contains mitigation performance standards.		
The ordinance prohibits development within, or filling of, wetlands, floodways, and floodplains.	✓	✓
Rezoning procedures recognize natural hazard areas as limits on zoning changes that allow greater intensity or density of use.	✓	
Subdivision Regulations		
Subdivision regulations contain an adopted hazard disclosure.		
The regulations contain a provision for soil report evaluations.	✓	
The regulations restrict the subdivision of land within or adjacent to natural hazard areas.	✓	
The regulations provide for conservation subdivisions or cluster subdivisions in order to conserve environmental resources.		
The regulations allow density transfers where hazard exist.		
Capital Improvement Program and Infrastructure Policies		
The capital improvements program limits expenditures on projects that would encourage development and/or redevelopment in areas vulnerable to natural hazards.		
Infrastructure policies limit extension of existing facilities and services that would encourage development in areas vulnerable to natural hazards.		
The capital improvements program provides funding for hazard mitigation projects.		
Other		
Small area or corridor plans recognize the need to avoid or mitigate natural hazards.	✓	
An evacuation and shelter plan is adopted to deal with emergencies from natural hazards.		
Economic development and/or redevelopment strategies include provisions for mitigating natural hazards.		

3.3.6 Floodplain Management and NFIP Participation

All but one of the jurisdictions participating in the 2020 Plan are also participants in the National Flood Program. See **Table 3.23** for a list of participants. Weatherby Lake is in discussions with FEMA regarding participation.

Table 3.23: 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	
Lake Annette	X	X			
Lake Winnebago	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			
Lawson	X	X			
Liberty	X	X			
Mosby	X	X			
North Kansas City	X	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	
Oak Grove	X	X		X	
Raytown	X	X			
Platte County	X	X		X	
Dearborn	X	X			
Farley	X	X			
Ferrelview	X	X			
Houston Lake	X	X			
Lake Waukomis	X	X			
Northmoor	X	X			
Parkville	X	X			
Platte City	X	X			
Platte Woods	No				No SFHA; not in floodplain
Riverside	X	X		X	

Table 3.23: National Flood Program (NFIP) Participation (Continued)					
Participant	NFIP Participant	Good Standing	Compliance Issues	CAV (last 5 years)	Reason if not an NFIP Participant
Tracy	X	X			
Weatherby Lake	No				Plan currently under review
Weston	X	X		X	
Ray County	X	X		X	
Richmond	X	X			

CAV = Community Assistance Visit

Sources: FEMA Community Status Book/Community Profile Survey

NFIP Insurance Status: Table 3.24 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.

Table 3.24: NFIP Policy Statistics as of July 2019 by Jurisdiction			
Community	Policies In-force	Insurance In-force whole \$000	Written Premium In-force
CASS COUNTY	50	13,402	46,172
CLAY COUNTY	22	5,653	21,186
JACKSON COUNTY	31	8,194	34,513
PLATTE COUNTY	101	23,479	70,713
RAY COUNTY	42	5,971	44,750
LEE'S SUMMIT, CITY OF	127	32,978	61,891
ARCHIE, CITY OF	1	350	565
BELTON, CITY OF	11	2,123	7,788
HARRISONVILLE, CITY OF	25	5,431	24,864
LAKE ANNETTE, CITY OF	4	n/a	n/a
LAKE WINNEBAGO, CITY OF	11	3,371	5,760
PECULIAR, CITY OF	12	1,840	13,583
PLEASANT HILL, CITY OF	34	3,372	29,815
RAYMORE, CITY OF	30	8,230	13,581
EXCELSIOR SPRINGS, CITY OF	12	3,165	30,446
GLADSTONE, CITY OF	36	6,937	43,513
INDEPENDENCE, CITY OF	200	41,452	207,725
KANSAS CITY, CITY OF	815	287,499	1,267,900
KEARNEY, CITY OF	17	5,161	16,823
LAWSON, CITY OF	1	99	1,206
LIBERTY, CITY OF	56	13,293	70,728
KEARNEY, CITY OF	2	584,300	905
MOSBY, CITY OF	16	1,884	29,406
NORTH KANSAS CITY, CITY OF	101	29,537	112,864
SMITHVILLE, CITY OF	77	15,186	78,011
BLUE SPRINGS, CITY OF	24	6,162	16,222
GRAIN VALLEY, CITY OF	29	7,376	15,740
GRANDVIEW, CITY OF	25	18,269	6,860
GREENWOOD, CITY OF	2	860	2,512
OAK GROVE, CITY OF	3	910	1,108
RAYTOWN, CITY OF	12	1,995	6,588
DEARBORN, CITY OF	3	150	1,977
EDGERTON, CITY OF	1	76	1,007
FARLEY, VILLAGE OF	4	1,230	3,994
FERRELVIEW, VILLAGE OF	4	2,044	1,639
HOUSTON LAKE, CITY OF	1	144	1,319
LAKE WAUKOMIS	1	42	205
NORTHMOOR, CITY OF	1	500	3,676
PARKVILLE, CITY OF	29	8,992	39,302
PLATTE CITY, CITY OF	2	717	2,271
RIVERSIDE, CITY OF	34	14,513	65,081
WESTON, CITY OF	1	280	378
RICHMOND, CITY OF	7	1,697	7,756

Table 3.25 provides a summary of loss statistics in the five-county planning area. This information was obtained from the FEMA NFIP online database.

Table 3.25: NFIP Loss Statistics as of 9/30/2018 by Jurisdiction					
Community	Total Losses	Closed Losses	Open Losses	CWOP Losses	Total Payments
CASS COUNTY	76	60	0	16	938,013.01
CLAY COUNTY	46	41	0	5	723,954.62
JACKSON COUNTY	42	35	0	7	367,738.00
PLATTE COUNTY	218	192	0	26	5,809,669.29
RAY COUNTY	49	42	0	7	659,427.76
LEE'S SUMMIT, CITY OF	79	63	0	16	849,467.78
BELTON, CITY OF	14	12	0	2	63,896.30
HARRISONVILLE, CITY OF	12	9	0	3	270,616.44
LAKE ANNETTE, CITY OF	3	*	*	*	*
LAKE WINNEBAGO, CITY OF	10	7	0	3	241,913.95
PECULIAR, CITY OF	33	28	0	5	390,557.47
PLEASANT HILL, CITY OF	62	54	0	8	352,940.94
RAYMORE, CITY OF	9	7	0	2	63,505.26
EXCELSIOR SPRINGS, CITY OF	98	81	0	17	1,406,477.31
GLADSTONE, CITY OF	54	40	0	14	284,504.83
INDEPENDENCE, CITY OF	344	285	0	59	2,312,933.34
KANSAS CITY, CITY OF	1384	1102	1	281	33,401,674.12
KEARNEY, CITY OF	1	0	0	1	0
LAWSON, CITY OF	1	1	0	0	452.73
LIBERTY, CITY OF	15	12	0	3	349,945.28
MOSBY, CITY OF	62	51	0	11	767,966.75
NORTH KANSAS CITY, CITY OF	11	6	0	5	82,264.82
SMITHVILLE, CITY OF	94	89	0	5	609,376.83
BLUE SPRINGS, CITY OF	13	12	0	1	44,745.14
GRAIN VALLEY, CITY OF	3	2	0	1	8,973.06
GRANDVIEW, CITY OF	32	24	0	8	166,870.45
GREENWOOD, CITY OF	1	1	0	0	55,303.51
OAK GROVE, CITY OF	10	7	0	3	5,116.06
RAYTOWN, CITY OF	119	94	0	25	561,863.62
DEARBORN, CITY OF	2	2	0	0	7,427.44
EDGERTON, CITY OF	17	14	0	3	78,250.08
FARLEY, VILLAGE OF	*	*	*	*	*
FERRELVIEW, VILLAGE OF	*	*	*	*	*
HOUSTON LAKE, CITY OF	*	*	*	*	*
LAKE WAUKOMIS, CITY OF	1	1	0	0	320
NORTHMOOR, CITY OF	1	1	0	0	80,143.13
PARKVILLE, CITY OF	18	12	0	6	146,500.76
PLATTE CITY, CITY OF	14	13	0	1	107,952.06
RIVERSIDE, CITY OF	81	68	0	13	7,372,561.33
TRACY, CITY OF	9	6	0	3	40,032.91
WESTON, CITY OF	11	8	0	3	105,662.86
RICHMOND, CITY OF	3	2	0	1	31,197.29
TOTAL	2991	2439	2	550	54,943,965.79

CWOP = Closed Without Payment

*Source: Online FEMA no longer available

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.

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 3.27: 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 3.28 briefly summarizes the status of a jurisdiction's regulatory components to maintain compliance with the NFIP requirements.

Table 3.28: 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			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 3.28: 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		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
Mosby	X	10/18/74	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.

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.
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	Meets	Permit obtained through the ordinance requirements
Platte County	X	1982	Paper	Exceeds	FIRMs will be adopted by April 2015 and digital available afterwards.
Dearborn	X	9/19/75	Paper	Meets	
Farley	X	December 2014	Paper	Meets	Permits can only be obtained following the ordinance requirements.
Ferrelview	X	2010	Digital	Meets	
Houston Lake	X	2014	Paper	Meets	
Lake Waukomis	X	1976	Paper	Meets	
Northmoor	X	1974	Paper	Meets	
Parkville	X	1973	Digital	Meets	Floodplain applications, no-rise certification.
Platte City	X	1990	Paper	Meets	
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.
Tracy	X	11/22/74	Paper	Meets	
Weatherby Lake	Under Review				

Table 3.28: 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	
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 have effective programs with regards to staffing levels.

Table 3. 29: 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	Full 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
Mosby	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
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
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
Dearborn	Part time							
Farley	Part time	X	NI			NI	NI	
Ferrelview	Part time		E	E	E	E	E	E
Houston Lake	Part time		E	E	E	E	E	E
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								
Riverside	Full time	X	E	E	E	E	E	E
Tracy	Part time	X	NI					
Weatherby Lake	Full time							
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

Four 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 3.30** for details on current activities.

Table 3.30: Status of Participating Jurisdictions in the CRS Program				
CRS ACTIVITIES	Independence	Kansas City, Mo.	Platte County	Blue Springs
	<i>Class 7</i>	<i>Class 7</i>	<i>Class 5</i>	<i>Class 5</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 Management 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	

X = Included

3.3.7 School Profile Survey Findings

Table 3. 31: 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	Yes	
Harrisonville School District	Yes		Yes	Yes	
Pleasant Hill R-III School District	Yes			Yes	
Raymore-Peculiar School District	Yes	Yes	Yes	Yes	
Excelsior Springs School District	Yes			Yes	
Lawson School District	Yes	Yes	Yes		
North Kansas City School District	Yes	Yes	Yes	Yes	
Smithville R-II School District	Yes				
Blue Springs School District	Yes			Yes	
Fort Osage R1 School District	Yes	Yes	Yes	Yes	
Grain Valley School District	Yes	Yes	Yes	Yes	Fire, tornado drills
Independence School District	Yes				
Kansas City School District	Yes	Yes	Yes	Yes	
Lee's Summit School District	Yes	Yes	Yes	Yes	
Oak Grove R-VI School District	Yes				
Metropolitan Community College	Yes		Yes	Yes	
North Platte R-1 School District	Yes			Yes	
Park Hill School District	Yes	Yes	Yes	Yes	All buildings have evacuation plan (annual review)
Park University	Yes		Yes		
Platte County R-3 School District	Yes	Yes	Yes	Yes	
West Platte R-II School District	Yes			Yes	Yearly practices as part of plan and policies.

Table 3.31: 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	Yes	
Harrisonville School District	Yes		Yes	Yes	
Pleasant Hill R-III School District	Yes			Yes	
Raymore-Peculiar School District	Yes	Yes	Yes	Yes	
Excelsior Springs School District	Yes	Yes	Yes	Yes	Applied for mitigation funds to build safe room
Lawson School District	Yes	Yes	Yes		
North Kansas City School District	Yes	Yes	Yes	Yes	Reassess sheltering locations with first responders
Smithville R-II School District	Yes				
Blue Springs School District	Yes	Yes	Yes	Yes	
Fort Osage R1 School District	Yes	Yes	Yes	Yes	
Grain Valley School District	Yes	Yes	Yes	Yes	
Independence School District	Yes				
Kansas City School District	Yes	Yes	Yes	Yes	Tornado and Earthquake drills executed regularly
Lee's Summit School District	Yes	Yes	Yes	Yes	
Oak Grove R-VI School District	Yes				
Metropolitan Community College	Yes		Yes	Yes	Have constructed storm shelter on every campus
North Platte R-1 School District	Yes		Yes	Yes	
Park Hill School District	Yes				
Park University	Yes		Yes		
Platte County R-3 School District					
West Platte R-II School District	Yes	Yes	Yes	Yes	Built Storm Shelter as part of new gym project.

Table 3.31: 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		Yes	Yes	
Harrisonville School District	Yes		Yes	Yes	
Pleasant Hill R-III School District	Yes			Yes	
Raymore-Peculiar School District	Yes	Yes	Yes	Yes	
Excelsior Springs School District	Yes			Yes	
Lawson School District	Yes				
North Kansas City School District	Yes		Yes	Yes	
Smithville R-II School District	Yes				
Blue Springs School District	Yes				
Fort Osage R1 School District	Yes	Yes	Yes	Yes	
Grain Valley School District	Yes	Yes	Yes	Yes	
Independence School District	Yes				
Kansas City School District	Yes	Yes	Yes	Yes	
Lee's Summit School District	Yes	Yes	Yes	Yes	
Oak Grove R-VI School District	Yes				
Metropolitan Community College	Yes		Yes	Yes	
North Platte R-1 School District					
Park Hill School District	Yes	Yes	Yes	Yes	Improve radio communication
Park University	Yes		Yes		
Platte County R-3 School District	Yes	Yes	Yes	Yes	
West Platte R-II School District	Yes			Yes	Yearly practices as part of plan and policies

Table 3.31: 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	Professional Development Trainings
Harrisonville School District	Yes		Yes	Yes	
Pleasant Hill R-III School District	Yes			Yes	
Raymore-Peculiar School District	Yes	Yes	Yes	Yes	
Excelsior Springs School District	Yes			Yes	
Lawson School District					
North Kansas City School District	Yes	Yes	Yes	Yes	Coordinate with Health Departments
Smithville R-II School District	Yes				
Blue Springs School District					
Fort Osage R1 School District	Yes	Yes	Yes	Yes	
Grain Valley School District	Yes				COVID plan
Independence School District	Yes				
Kansas City School District	Yes	Yes	Yes	Yes	Procedures are in place using county resources
Lee's Summit School District	Yes	Yes	Yes		
Oak Grove R-VI School District					
Metropolitan Community College					
North Platte R-1 School District	Yes		Yes	Yes	
Park Hill School District	Yes				
Park University					
Platte County R-3 School District					
West Platte R-II School District					

Table 3.31: 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					
Lawson School District					
North Kansas City School District					
Smithville R-II School District	Yes				
Blue Springs School District					
Fort Osage R1 School District					
Grain Valley School District					
Independence School District					
Kansas City School District	Yes	Yes			
Lee's Summit School District					
Oak Grove R-VI School District					
Metropolitan Community College					
Orrick School District					
North Platte R-1 School District					
Park Hill School District	Yes				
Park University					
Platte County R-3 School District					
West Platte R-II School District					

Table 3.31: 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	
Raymore-Peculiar School District	Yes	Yes	Yes	Yes	
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				
Blue Springs School District	Yes				
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				
Kansas City School District	Yes	Yes	Yes	Yes	
Lee's Summit School District	Yes	Yes	Yes	Yes	
Oak Grove R-VI School District	Yes				
Metropolitan Community College	Yes		Yes		Installed intrusion detection systems
North Platte R-1 School District	Yes		Yes	Yes	
Park Hill School District	Yes	Yes	Yes	Yes	
Park University	Yes				
Platte County R-3 School District	Yes	Yes	Yes	Yes	
West Platte R-II School District	Yes			Yes	Yearly practices as part of plan and policies

Table 3.31: 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
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	Bids out for Visitor Management System for 2015
Park Hill School District	Active Shooter Training and Crisis Plan	Yes	Yes	Yes	Yes	Security camera and communication
Metropolitan Community College	Local EOP	Yes	Yes	Yes	Yes	Specifies action for tornadoes to direct staff, students and others to safe rooms. Hold drills on regular basis to help with training. Inclement weather policy was updated in Nov 2019 with phone call to relevant parties to make decisions regarding campus closings. Priority transportation routes have been identified by facilities department.

Table 3.31: School Plans and Policies Inventory (Continued)					
School Entity	8. Updated Building Codes	9. Provisions to Elevate Construction	10. Strengthen Construction	11. Safe Room Requirements	Profile Survey Completed
Archie R-V School District	Yes	Yes	Yes	Yes	Yes
Harrisonville School District					Yes
Pleasant Hill R-III School District					Yes
Raymore-Peculiar School District					Yes
Excelsior Springs School District	Yes	Yes	Yes	Yes	Yes
Lawson School District					Yes
North Kansas City School District					Yes
Smithville R-II School District	Yes	Yes	Yes	Yes	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	Yes	Yes	Yes
Kansas City School District					Yes
Lee's Summit School District					Yes
Oak Grove R-VI School District					Yes
Metropolitan Community College	Yes	Yes	Yes	One constructed on each campus	Yes
North Platte R-1 School District	Yes			Yes	Yes
Park Hill School District	Yes	Yes			Yes
Park University	Yes				Yes
Platte County R-3 School District	Yes				Yes
West Platte R-II School District	Yes	Yes	Yes	Yes	Yes

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 (date); Federal \$1,626,664 Non-federal \$542,222
(Belton School District applied for a grant in 2011, but was not awarded a Safe Room grant)

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

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

Safe room project applications for Park Hill and West Platte School Districts were not awarded.

RAY COUNTYRichmond R-XVI School District

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

Lawson R-XIV School District

Safe Room application – Pending

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. These capabilities were detailed in the 2010 Plan update and remain available for reference. Where there have been changes in the last five years they have been noted below.

Warning Systems

The planning area still utilizes a variety of warning systems discussed in the 2015 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. A number of communities use NIXLE. 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 2010 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
- 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
- SAVE Coalition
- Kansas City Organizations Active in Disaster
- Community Emergency Response Teams
- Medical Reserve Corps of Greater Kansas City
- Community Disaster Resiliency Network

Climate Action Coalition formed by local elected officials in 2018 has held several 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, and work is underway in early 2020 to complete a greenhouse gas inventory and reduction plan for the region.

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 ready 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 the clients they serve 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.

The Storm Shelter Model Ordinance included in the 2010 Plan update has not been pursued due to limited resources and other priorities. Although the ordinance has been removed from this plan update, the reference still exists for future consideration.

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.