

## Section 1: Introduction and Planning Process

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## Section 1: Introduction and Planning Process

**Requirement****§201.6(b):**

*In order to develop a more comprehensive approach to reducing the effects of natural disasters, the planning process shall include:*

- 1) An opportunity for the public to comment on the plan during the drafting stage and prior to plan approval;*
- 2) An opportunity for neighboring jurisdictions, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development, as well as businesses, academia and other private and non-profit interests to be involved in the planning process; and,*
- 3) Review and incorporation, if appropriate, of existing plans, studies, reports, and technical information.*

### 1.1 Purpose

Cass, Clay, Jackson, Platte and Ray counties (the Missouri counties of the MARC region), along with 37 cities, five fire/ambulance districts, 19 school districts and two colleges/universities, updated this *Regional Multi-Hazard Mitigation Plan* in order to sustain actions designed to reduce or eliminate long-term risk to people and property from priority natural hazards. The planning process is as important as the plan itself and creates a framework, both locally and regionally, for the development and implementation of public policy designed to protect residents, critical infrastructure, public and private property, and the environment from the impact of hazards. This updated plan ensures the continuity of mitigation project grant funding through 2025.

### 1.2 Background and Scope

Hazard mitigation is defined by FEMA as any action taken to eliminate or reduce the long-term risk to human life and property from natural, man-made and technological hazards. In 2005, the National Institute of Building Science's Multi-Hazard Mitigation Council, in response to a congressional mandate, conducted an independent study on savings generated through mitigation activities. The study concluded that mitigation grant funded projects have an overall societal benefit/cost ratio of 4.0 (i.e., for every dollar spent on mitigation activities, four dollars are saved through loss avoidance).

Since the last Plan was approved in August 2015, three events occurred which resulted in federal major disaster declarations and federal emergency declarations. In the months leading up to the approval of the last Plan, severe storms, tornadoes, straight-line winds, and flooding affected the region between May 15, 2015 and July 27, 2015. From March 11, 2019 to April 16, 2019 severe storms, straight-line winds, and flooding affected the region. Shortly thereafter, severe storms, tornadoes, and flooding affected the region between April 29, 2019 and July 5, 2019. For the event in 2015, Platte, Clay, and Ray qualified for public assistance. For the second severe storm event, Platte and Ray counties were included in the disaster declaration (DR-4435) for public assistance needed. For the third event, Jackson, Platte and Ray were included in the major disaster declaration (DR 4451). Jackson qualified for individual and public assistance, Platte qualified for individual assistance, and Ray qualified for public assistance. Twenty-two separate events related to hazardous weather have caused property damage and/or loss of life throughout the region from 2015-2019. The consequences of these events have impacted residents of the region economically, socially and emotionally. As such, mitigation planning ranks among the most important initiatives the region can undertake to protect its residents and minimize property damage.

Through mitigation planning, each participating jurisdiction has identified areas throughout the region vulnerable to potential hazards and developed strategies to reduce such vulnerability. This updated hazard mitigation plan documents the progress made on established mitigation actions and proposes new actions designed to reduce the impacts of hazards and increase resilience. The updated plan is the result of a collaborative effort by the following participating jurisdictions:

**Cass County\***

Belton\*  
 Harrisonville\*  
 Lake Annette  
 Lake Winnebago\*  
 Peculiar\*  
 Pleasant Hill\*  
 Raymore\*  
 Archie R-V School District\*  
 Harrisonville School District\*  
 Pleasant Hill R-III School District\*  
 Raymore-Peculiar School District\*

**Clay County\***

Excelsior Springs\*  
 Gladstone\*  
 Kearney\*  
 Lawson  
 Liberty\*  
 Mosby\*  
 North Kansas City\*  
 Smithville\*  
 Fishing River Fire Protection District\*  
 Excelsior Springs School District  
 Lawson School District\*  
 North Kansas City School District\*  
 Smithville R-II School District\*

**Jackson County\***

Blue Springs\*  
 Grandview\*  
 Greenwood  
 Independence\*  
 Kansas City, Mo.\*  
 Lee's Summit\*  
 Oak Grove\*  
 Raytown\*

Central Jackson County Fire Protection District  
 Sni Valley Fire Protection District\*  
 Blue Springs School District\*  
 Fort Osage R-1 School District\*  
 Grain Valley School District  
 Independence School District\*  
 Kansas City School District\*  
 Lee's Summit School District\*  
 Oak Grove R-VI School District\*  
 Metropolitan Community Colleges\*

**Platte County\***

Dearborn\*  
 Farley\*  
 Ferrelview\*  
 Houston Lake\*  
 Lake Waukomis\*  
 Northmoor\*  
 Parkville\*  
 Platte City\*  
 Platte Woods\*  
 Riverside\*  
 Tracy\*  
 Weatherby Lake\*  
 Weston\*  
 Northland Regional Ambulance District\*  
 West Platte Fire Protection District\*  
 North Platte R-1 School District\*  
 Park Hill School District\*  
 Platte County R-3 School District\*  
 West Platte R-II School District\*  
 Park University\*

**Ray County\***

Richmond\*

\*Denotes 2015 Participants

The updated *Regional Multi-Hazard Mitigation Plan* was prepared pursuant to the requirements of Section 322 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, 42 U.S.C. 5165, as amended by Section 104 of the Disaster Mitigation Act of 2000, P.L. 106-390 (DMA 2000) and regulations set forth in 44 CFR §201.6, *Local Mitigation Plans*. With an approved updated hazard mitigation plan, Cass, Clay, Jackson, Platte and Ray counties and certain cities, school districts, colleges and universities will remain eligible for grants under the following federal hazard mitigation assistance programs:

- Hazard Mitigation Grant Program (HMGP)
- Pre-Disaster Mitigation (PDM)
- Flood Mitigation Assistance (FMA)

### 1.3 Planning Process

**Requirement §201.6(c)(1):** *[The plan shall document] the planning process used to develop the plan, including how it was prepared, who was involved in the process, and how the public was involved.*

#### 1.3.1 Background

The plan update process was set in motion on September 28, 2018, with MARC staff informing the Metropolitan Emergency Managers Committee (MEMC) that the five-year update to the Kansas City region's hazard mitigation plan was due by May 1, 2020, with a proposed timeline shared at that time. A monthly report on the plan update has been provided to the MEMC at their regular meetings. The MARC Board of Directors, composed of local elected officials from the region's counties and cities, authorized the preparation of the plan at their August 28, 2018 meeting. Communities, both new and past plan participants, were invited to take part in this planning process. They were encouraged to review the current Regional Hazard Mitigation Plan available on the MARC website at <https://www.marc.org/Emergency-Services-9-1-1/MEMC/Activities/Regional-Hazard-Mitigation-Plan> and to review their current mitigation strategies.

A Steering Committee met four times during the planning process – April 2, 2019, June 21, 2019, January 9, 2020, and March 25, 2020 to provide guidance to the Mid-America Regional Council staff in the preparation of the plan. A formal kickoff meeting was held on April 2, 2019, at the Kauffman Foundation Conference Center in Kansas City, Missouri, with representatives from local jurisdictions and the public invited to hear from local and national speakers on the importance of mitigation planning, steps that jurisdictions have and could take, resources that FEMA has available to assist with mitigation actions, the plan requirements and schedule for preparing and adopting the plan. There were 73 representatives from local jurisdictions, nonprofit organizations, and federal agencies present at the meeting, and table discussions were focused around reviewing possible natural hazards of greatest concern to their jurisdictions and the region, and the selection of the priority hazards for the focus of this plan. MARC assembled an internal team from Emergency Services and Research Services to work on the plan, and an initial meeting was held on November 15, 2018. A meeting was held with representatives from SEMA and FEMA on November 28, 2018.

The Steering Committee for the Hazard Mitigation Plan (HMPC) was formed to guide and coordinate the planning process and to review the plan materials as they were developed. The HMPC consisted of selected representatives from the Missouri counties in the MARC region, as well as the cities of Kansas City and Independence, Mo. For a complete listing of HMPC members and their roles and responsibilities see **Attachment 1** to this section. For the MARC Board and MEMC meeting summaries, see **Appendix B: Supporting Documents**.

Before the Planning Committee formally convened, MARC staff and a consultant reviewed the 2015 Regional Hazard Mitigation Plan, the 2018 Missouri State Hazard Mitigation Plan, the Kansas City region's Threat Hazard Identification Risk Assessment (THIRA), FEMA's Local Mitigation Planning Handbook, FEMA's Mitigation Plan Review Guide, and multiple Hazard Mitigation plans from communities all across the country. The consultant and MARC staff outlined a proposal for the process and timeline for completing the HMP update. The proposed planning process and timeline was presented in concept at the April 2, 2019, kickoff meeting and to the HMPC for discussion at their second meeting.

### **1.3.2 Planning Team Kickoff**

The 2020 update planning process formally began at the April 2, 2019, kick-off meeting, where local jurisdiction representatives and other stakeholders were provided with background information, FEMA guidance, requirements for the new plan, the importance of participating in the plan, possible mitigation measures, and a nominal timeline for the plan update process. As its first order of business, the HMPC adopted the Combination Model (FEMA 386-8, 12) as a means to fulfill the requirements of multi-jurisdictional plan development, similar to the process used for the 2015 update. Through this Combination Model, MARC was designated the Plan Author (authorized to act on behalf of the participating jurisdictions in development of the plan); and the HMPC was designated the Planning Team. The Planning Team consists of representatives from four of the five participating Missouri counties (Cass, Clay, Jackson and Platte) plus representatives from the city of Kansas City, Missouri, the city of Kearney, city of Grandview and the city of Independence.

After the model for the Plan update was confirmed, the HMPC identified which threats and hazards would be considered in the update. To assist this determination, the HMPC reviewed hazards identified in the State of Missouri's 2018 Hazard Mitigation Plan, the hazards addressed in the region's 2015 Plan (and recommendations for improvements), and hazards identified through the THIRA process. The steering committee decided that the 2020 Plan should focus on priority natural hazards, rather than lower priority natural and man-made hazards. Natural hazards with low occurrence, earthquakes and wildfires, could be removed from the Plan. To consolidate further, similar hazards were grouped together. Drought and heat waves were grouped together as Heat. Flooding (both riverine and flash), levee failures, and dam failures were grouped together as flooding.

Additional business at the kick-off meeting included determination of satisfactory participation requirements for jurisdictions and beginning initial outreach and information collection efforts. Participation requirements were identified for local jurisdictions to complete in order to obtain the information necessary to inform the update process. For local jurisdictions, eight participation requirements were outlined:

1. Attend county hosted meetings or separate work sessions with either a planning team representative or a MARC staff member.
2. For 2015 plan participants, update the 2015 profile for the local jurisdiction using the MARC provided online tool.
3. For new participants, create a new user and complete the online profile.
4. Review the hazard profiles and identify the level of risk and vulnerability for each priority hazard for the local jurisdiction.
5. Develop goals and identify proposed mitigation actions for the community.
6. Prioritize actions emphasizing relative cost-effectiveness.
7. Review and comment on draft plan
8. Communicate about the plan and public meetings through social media
9. Host opportunities for public involvement (e.g. link local Internet presence to a plan website).

In order to achieve six of the requirements (#2-7/#2-6), the HMPC agreed to a proposal that participating organizations would be asked to provide information for the update through a series of surveys or tools including a Community/ School Profile, a 2015 Hazard Mitigation Goals and Actions Status Update Tool for those communities that participated in the last plan, and a 2015 Hazard Mitigation Goals and Actions Tool for all current participating organizations to complete. Each county in the planning area would host kick off meetings for local jurisdictions, school districts/universities/colleges, and fire/ambulance districts in September 2019 to learn about the hazard mitigation plan update process, the requirements for participation and the various tools for information collection. County emergency managers and MARC staff reached out to jurisdictions that participated in the 2015 plan and others in the five-county area about participating in the 2020 plan. After information had been collected from participants about the hazards most likely to affect their community, their capabilities, and the strategies they selected to address the hazards, preparations were made to share the information with stakeholders and members of the public through county hosted meetings that MARC helped to facilitate.

Participating organizations were encouraged to attend the county community engagement meetings. All organization were encouraged to form an internal planning team to review 2015 information and provide updates. All information, including meeting notices, summaries, etc., about the update process was made available in accordance with Missouri Sunshine Law provisions. As such, neighboring communities, agencies, businesses, academia, nonprofits, and other interested parties were provided the opportunity to be involved in the planning process. Additional information regarding Missouri's Sunshine Law can be found on the Web site of Missouri's Attorney General at <http://ago.mo.gov/sunshinelaw/>. Further, informational updates and participation opportunities were reported at the monthly meetings of the Metropolitan Emergency Managers Committee (MEMC), which are open to the public and other interested parties.

**Table 1.1 Summary of Planning Meetings** summarizes the meetings conducted throughout the planning timeline by date held, agenda and attendees (noted by title, agency, organization or jurisdiction). Meeting agendas, summaries and sign-in sheets can be found in **Appendix B: Supporting Documents**.

<b>Table 1.1: Summary of Planning Meetings</b>			
<b>Meeting</b>	<b>Date</b>	<b>Purpose of Meeting</b>	<b>Attendees</b>
HMP Review	11/15/2018	Discuss revisions and plan reformatting, Adding hazards, mitigation actions, schedule for future meetings.	Planning Team, MARC
Guidance Meeting	11/28/2018	Discuss plan requirements, available resources from SEMA and FEMA, advice on focus of priority natural hazards for plan	SEMA AND FEMA representatives, MARC staff
Kick-off	April 2, 2019	Background, Planning Team formation, Initial planning, participation requirements.	Local jurisdiction stakeholders, Planning Team, MARC (73 in attendance)
County Kick-Off – Ray County	September 4, 2019	Provide introduction, background, information and requirements regarding the planning process to representatives of Cass County jurisdictions. Review risk profiles and online tool for updating plan information, including capabilities and goals.	Ray County (Commissioners and staff), Richmond, Orrick, Hardin, Camden, Henrietta, Fleming, Wood Heights, Orrick School District, Richmond School District, Richmond Daily News
County Kick-Off – Cass County	September 11, 2019	Provide introduction, background, information and requirements regarding the planning process to representatives of Cass County jurisdictions. Review risk profiles and online tool for updating plan information, including capabilities and goals.	Cass County, Harrisonville, Lake Winnebago, Peculiar, Pleasant Hill, Raymore, Belton School District, Harrisonville School District, Raymore-Peculiar School District, MARC
County Kick-Off – Platte County	September 6, 2019	Provide introduction, background, information and requirements regarding the planning process to representatives of Platte County jurisdictions. Review risk profiles and online tool for updating plan information, including capabilities and goals.	Platte County, Houston Lake, Kansas City, Lake Waukomis, Parkville, Riverside, Platte City, Tracy, Weatherby Lake, Northland Regional Ambulance District, Park Hill School District, Platte County R-3 School District, MARC
County Kick-Off – Clay County	September 12, 2019	Provide introduction, background, information and requirements regarding the planning process to representatives of Clay County jurisdictions. Review risk profiles and online tool for updating plan information, including capabilities and goals.	Clay County, Excelsior Springs, Kearney, North Kansas City, Liberty, Smithville, Fishing River Fire District, MARC

<b>Table 1.1: Summary of Planning Meetings</b>			
<b>Meeting</b>	<b>Date</b>	<b>Purpose of Meeting</b>	<b>Attendees</b>
County Kick-Off – Jackson County	September 10, 2019	Provide introduction, background, information and requirements regarding the planning process to representatives of Jackson County jurisdictions. Review risk profiles and online tool for updating plan information, including capabilities and goals.	Jackson County, Blue Springs, Central Jackson Co Fire Protection District, Grandview, Greenwood, Independence, Kansas City, Lee’s Summit, Oak Grove/Sni Valley FPD, Blue Springs School District, Ft. Osage School District, Grain Valley School District, Lee’s Summit School District, Metropolitan Community College, Univ of MO Ext., KC COAD, Red Cross, Truman Medical Center, MARC
Second Meeting to Solicit Input for Plan	December 13, 2019	Provide local jurisdiction stakeholders and residents an opportunity to offer feedback on the capabilities assessment and input to mitigation strategies considered by jurisdictions in Jackson County.	Jackson County (Health, Emergency Management), Independence, Oak Grove/Sni Valley FPD, Greenwood, Grandview, Raytown, Kansas City, Blue Springs, Central Jackson County FPD, Lee’s Summit (Fire, Public Works), COAD, MARC
Second Meeting to Solicit Input for Plan	December 18, 2019	Provide local jurisdiction stakeholders and residents an opportunity to offer feedback on the capabilities assessment and input to mitigation strategies considered by jurisdictions in Cass County.	Cass County, Belton, Peculiar, Raymore, Pleasant Hill, Belton School District, Harrisonville School District, Grandview (Fire, EM, Community Development), Lee’s Summit, MARC
Second Meeting to Solicit Input for Plan	December 11, 2019	Provide local jurisdiction stakeholders and residents an opportunity to offer feedback on the capabilities assessment and input to mitigation strategies considered by jurisdictions in Platte County.	Platte County (P&Z, Emergency Management, Parks, Public Works, Sheriff’s Dept), Northmoor, Parkville, Lake Waukomis, Lawson School District, Park Hill School District, MARC
Second Meeting to Solicit Input for Plan	December 5, 2019	Provide local jurisdiction stakeholders and residents an opportunity to offer feedback on the capabilities assessment and input to mitigation strategies considered by jurisdictions in Ray County.	Ray County (Commissioners, Emergency Management), P&Z), Richmond, Lawson (City Administration, Emergency Management, Lawson School District, MARC

Meeting	Date	Purpose of Meeting	Attendees
Second Meeting to Solicit Input for Plan	January 8, 2020	Provide local jurisdiction stakeholders and residents an opportunity to offer feedback on the capabilities assessment and input to mitigation strategies considered by jurisdictions in Clay County.	Clay County (Emergency Management, Public Health, NKC, Kansas City, MO; FEMA, Excelsior Springs School District, Kearney, Smithville, MARC
Hazard Mitigation Planning Committee Meeting	January 9, 2020	Review participant status and challenges experienced with the data collected.	Regional Hazard Mitigation Planning Committee
Hazard Mitigation Planning Committee Meeting	March 25, 2020	Review draft plan and authorize submission for approval by FEMA.	Regional Hazard Mitigation Planning Committee

### 1.3.3 Plan Section Review and Update Methodology

To minimize the burden of the update, the HMPC determined to revise only those sections where information had changed, new or better data was available, or to address FEMA recommendations for improvements from the 2015 Plan. As discussed in the Background Section 1.3.1 above, MARC staff evaluated the plan in its entirety, determining which sections required revision in accordance with FEMA's *Local Mitigation Plan Review Guide* (October 1, 2014) and *Multi-Jurisdictional Mitigation Planning*, 2006 and presented the HMPC with recommendations. **Table 1.2** describes the data deficiencies that were present during the 2015 plan update process and the status of those data deficiencies for the current plan update process. Any new data sets they have been utilized in the analysis.

The data deficiencies identified here are from the *2015 Plan Implementation and Maintenance* section and new deficiencies identified for the 2020 plan. The "action required" column shows what actions were to be taken in the 2020 plan efforts or future efforts.

Data Deficiency	Action Required	Status	Responsible Party
1. Dam inundation pathways	Continue to work the MDNR and local dam owners to obtain information/maps showing dam failure inundation pathways as part of EAP update/completion process	Ryan P. Stack <a href="mailto:ryan.stack@dnr.mo.gov">ryan.stack@dnr.mo.gov</a> from the DNR provided digital files for Emergency Action Plans with Inundation Maps. MARC staff is reviewing to determine if the digital files address the listed data deficiency.	Planning Team

**Table 1.2: Data Deficiency Corrective Actions 2015 and 2020**

<b>Data Deficiency</b>	<b>Action Required</b>	<b>Status</b>	<b>Responsible Party</b>
2. Levee failure analysis information largely unavailable	Continue to work with USACE and other entities to obtain levee failure analysis information as it becomes available	Continue to look for this type of information.	Planning Team
3. Future land use data unavailable for Ray County	Incorporate future land use maps for Ray County as developed	Continue to work with county on this information once prepared by the county. The county has indicated that they are beginning to work on a new Comprehensive Plan.	Ray County Planning Team representative, MARC
4. Various data collection/interpretation deficiencies were noted for winter weather, heat wave, and drought due to certain inherent limitations	Continue to reassess hazards and data collection methods for next update. As new collection methods and interpretation techniques become available, incorporate into plan update	The drought monitor comprehensive statistics were used to show additional drought information not shown in the 2015 Plan. It displays the percentage of a county in each drought classification on any given week.	Planning Team, MARC
5. Utility infrastructure - Research Services of MARC does not currently have access to this data at present	Through collaboration with jurisdictions and utility companies are working to address this.	MARC continues to work on collecting this information.	Planning Team, MARC
6. Data regarding homes without basements to identify neighborhoods most vulnerable in tornado event	The next time MARC asks for a parcel update will seek this information.	Information is not yet available.	MARC
7. Building counts – not all jurisdictions maintain a GIS layer of building points or building outlines. MARC digitized many buildings by hand as part of a SOLAR grant but will not be able to keep it current.	As jurisdictions develop GIS capabilities this information will be incorporated in future updates.	MARC has developed capacity to quantify building counts based on building outlines and the information was used to assess vulnerable properties in the 100-year floodplain.	Participating Jurisdictions
8. Critical facilities – don't have measures of size or capacity or capabilities for most of them. This information would help	As jurisdictions continue to implement HAZUS software this information become more accessible.	MARC has developed extensive databases of critical facilities in the five-county area and that information is provided to	Participating jurisdictions, MARC

**Table 1.2: Data Deficiency Corrective Actions 2015 and 2020**

Data Deficiency	Action Required	Status	Responsible Party
produce more meaningful maps and visualizations.		each local jurisdiction as part of the online planning tool. Feedback from the local jurisdictions is helping to further refine the datasets. In review of transportation facilities, looking for dataset for low water crossings.	
9. Addresses of repetitive flood loss properties would have been helpful in mapping the general locations where flooding occurs that is more likely to damage property.	Continue to work with jurisdictions and the State Emergency Management Agency to determine options for obtaining this type of information.	Have not collected this information	Participating jurisdictions, MARC
10. Map and data of buildings inside the 500-year floodplain to help local officials understand the area vulnerable to large flooding events, particularly as changing climate may increase the potential for impacts in these areas.	Collect and include dataset for 500-year floodplain for five county area and counts of buildings and their values inside the area mapped.	Have not begun this effort.	Participating jurisdictions, MARC

The above table illustrates the results of the plan review and recommendations for revisions, which were subsequently approved by the HMPC. In addition, **Table 1.3** identifies any format changes that have been made where applicable. MARC staff conducted research, collected information, developed maps and authored the plan update. As changes, updates and recommendations were drafted into the plan, the HMPC provided MARC with comments and feedback during planning meetings and via e-mail.

As plan sections were drafted they were posted on the MARC website at <https://www.marc.org/Emergency-Services-9-1-1/MEMC/Activities/2020-Hazard-Mitigation-Plan> and made available to the HMPC members for view and comment. The final draft of the plan was approved for submission by the HMPC by February 14, 2020.

<b>Table 1.3: Review Process Summary</b>				
<b>Section</b>	<b>Reviewed (Yes/No)</b>	<b>Revisions Made (Yes/No)</b>	<b>Basis for Revisions</b>	<b>Summary of Revisions</b>
Introduction & Planning Process	Yes	Yes	Added information on meetings held and public input received	Updated table with additional information
Planning Area Profile	Yes	Yes	Plan reorganization and updated demographics	Updated with current information and new, relevant figures and charts were added.
Capabilities Assessment	Yes	Yes	Plan organization New survey tools	Assembled data for each local jurisdiction from the online data tool in the Capabilities Assessment chapter
Risk Assessment	Yes	Yes	Plan reorganization. Consolidated risk assessment and vulnerability analysis.	Removed 10 man-made and low occurrence natural hazards. Updated historical hazard data. Maximum and minimum loss estimations were deleted. Sections Impact and Extent were added to fulfil gaps.
Mitigation Strategy	Yes	Yes	Each local jurisdiction was asked to update their goals and strategies given identification of priority natural hazards, risk profiles and presentations of information on possible goals and strategies for consideration.	Compiled new 2020 goals and action steps

Section	Reviewed (Yes/No)	Revisions Made (Yes/No)	Basis for Revisions	Summary of Revisions
Plan Maintenance	Yes	Yes	The online planning tool will be available to each jurisdiction (and to new jurisdictions) beyond the timeframe of the plan preparation to review information and update their capabilities and goals and strategies.	Updated section to reflect feedback from Steering Committee

### 1.3.4 Review and Incorporation of Existing Plans

Existing plans, codes, ordinances, programs, resources and staffing were reviewed and integrated in the planning process. The Community Profile tool collected information about the different tools available to communities related to administration, financial planning, education and outreach, and planning and regulation. **Table 1.4 Community Profile Tools** lists the different tools that were included in the Community Profile for communities to report on<sup>1</sup>:

Administrative & Technical	Financial
<p><b>Administrative Resources:</b></p> <ul style="list-style-type: none"> <li>*Planning and Zoning Commission</li> <li>*Mitigation Planning Committee</li> <li>*Maintenance Program to reduce risk</li> <li>*Mutual aid agreement</li> </ul> <p><b>Staffing Resources:</b></p> <ul style="list-style-type: none"> <li>*Chief Building Official</li> <li>*Floodplain Administrator</li> <li>*Emergency Manager</li> <li>*Community Planner</li> <li>*Civil Engineer</li> <li>*Public Health Official</li> <li>*IT Support</li> <li>*GIS Coordinator</li> </ul> <p><b>Technical Resources:</b></p> <ul style="list-style-type: none"> <li>*Warning System/Services</li> <li>*Hazard data and information</li> <li>*Critical Facilities Map/APRS</li> <li>*HAZUS Analysis</li> </ul>	<ul style="list-style-type: none"> <li>*Capital Improvement Project Funding</li> <li>*Authority to levy taxes for specific purpose</li> <li>*Fees for water, sewer, gas or electric services</li> <li>*Impact fees for new development</li> <li>*Stormwater utility fee</li> <li>*Incur debt through general and/or special tax bonds</li> <li>*Incur debt through private activities</li> <li>*Community Development Block Grant</li> <li>*Flood Mitigation Assistance Program</li> <li>*Pre-Disaster Mitigation Program</li> <li>*Hazard Mitigation Grant Program</li> </ul>

<b>Table 1.4: Community Profile Tools</b>	
<ul style="list-style-type: none"> <li>*Existing Land Use Maps</li> <li>*Future Land Use Maps</li> <li>*State Hazard Mitigation Plan</li> <li>*Grant Writing</li> </ul>	
<b>Education &amp; Outreach</b>	<b>Planning &amp; Regulatory</b>
<p><b>Existing Warning Systems:</b></p> <ul style="list-style-type: none"> <li>*Storm Sirens</li> <li>*Mass Notification Systems</li> <li>*CMAS</li> <li>*MEMC Project Community Alert</li> <li>*National Weather Service</li> <li>*Kansas City Scout</li> </ul> <p><b>Community Partnerships:</b></p> <ul style="list-style-type: none"> <li>*Regional Homeland Security Coordinating Committee</li> <li>*Metropolitan Emergency Managers Committee</li> <li>*Mid-America Local Emergency Planning Committee</li> <li>*Metropolitan Official Health Agencies of the Kansas City Area</li> <li>*Regional 9-1-1 System</li> <li>*SAVE Coalition</li> <li>*Kansas City Organization Active in Disaster</li> <li>*Community Emergency Response Team</li> <li>*Medical Reserve Corps of Greater Kansas City</li> <li>** Ongoing public education</li> <li>*Natural disaster or safety related school program</li> <li>*StormReady certification</li> <li>*Firewise Communities certification</li> <li>*Public-private partnership initiatives (disaster related)</li> <li>*Media coverage and Public Awareness</li> </ul>	<p><b>Plans:</b></p> <ul style="list-style-type: none"> <li>*Comprehensive Master Plan</li> <li>*Capital Improvement Plan</li> <li>*Economic Development Plan</li> <li>*Local Emergency Operations Plan</li> <li>*Continuity of Operations Plan</li> <li>*Public Health Emergency Preparedness Plan</li> <li>*Transportation Plan</li> <li>*Stormwater Management Plan</li> <li>*Community Wildlife Protection Plan</li> <li>*Brownfields Redevelopment</li> <li>*Climate Change Adaptation</li> </ul> <p><b>Codes:</b></p> <ul style="list-style-type: none"> <li>*Building Code</li> <li>*Fire Code</li> <li>*Mechanical Code</li> <li>*Plumbing Code</li> <li>*Dangerous Building Code</li> </ul> <p><b>Land Use Planning Policies:</b></p> <ul style="list-style-type: none"> <li>*Stream setback ordinances</li> <li>*Floodplain management ordinances</li> <li>*Soil and erosion ordinances</li> <li>*Burn ordinance</li> <li>*Storm water runoff ordinances</li> <li>*Water conservation measures</li> <li>*Open space acquisition/dedication</li> <li>*Flood buyout</li> <li>*Site plan review requirements.</li> </ul>

For each tool, one of the questions asked was if the jurisdiction had reviewed that tool during the Hazard Mitigation Plan update. Where applicable, the Community Profile requested jurisdictions describe how these documents and measures were integrated in the planning process. School districts, universities and colleges were polled on a different set of tools including;

- Evacuation plans
- Storm Sheltering Plan
- Shelter-In-Place Plan
- Infectious Disease Plan
- Water Conservation Measures
- Security Plan

## Building Codes

A summary of tools reviewed by current and new plan participants as part of the Community Profile and the School Profile questionnaires is included in **Section 3: Capabilities**. Two data-gathering tools were used for the review process to capture information about mitigation strategies that communities and organizations are considering for the next five years. The first tool was a Web-based tool to enable jurisdictions to review and update information from the 2015 Hazard Mitigation plan. The second tool was also a Web-based tool to enable jurisdictions to review and update hazard mitigation goals and actions listed in the 2015 plan. Jurisdictions were asked to provide a status report on these goals and actions. A newly developed third tool allowed jurisdictions and organizations the ability to 1) review a summary of their updated profile, 2) review an assessment of the impact of hazards to their jurisdiction, 3) review and use a series of GIS data layers to consider further impacts to their jurisdiction from the priority hazards addressed in the plan, 4) review resources for the plan, and 5) update goals and strategies for the 2020 plan. MARC is developing a public website to display the updates of this information and to use the GIS data layer tool for ongoing planning and evaluation.

### 1.3.5 Public Involvement

Hazard mitigation planning is best accomplished when those with a stake in the plan are actively involved. Because hazards can affect everyone, these stakeholders are not just local government officials, but also private industry, nonprofit organizations and most importantly private citizens. Seeking public feedback on the mitigation strategies considered by each jurisdiction ensures that the concerns of the community are adequately addressed and provides insight as to where scarce resources might best be used.

In order to make best use of limited time and resources during the planning process, one Community meeting was held in September 2019 at a central location in each county. For Cass, Clay, Jackson, Platte and Ray counties. Representatives of jurisdictions in each county were invited to attend. Paid social media posts were placed as well as paid newspaper advertisement for Ray County Tribune. A flyer promoting the meeting was posted on the MARC website and made available to the Metropolitan Emergency Managers Committee, local planning and public works staff and others that were identified as having possible interest in the Plan.

Handouts outlining the strategies for each type of hazard were made available explaining each hazard and possible mitigation goals and strategies. Representatives from each participating jurisdiction or organization were invited to be present at the meetings and encouraged to share information and ask questions. Following the meetings, MARC staff collected comments and provided them to the appropriate jurisdiction for review and incorporation into their mitigation strategy as desired.

A second round of public meetings were held in December 2019/January 2020 to review the Capabilities Assessment and further discuss possible goals and strategies. A flyer was distributed to local jurisdiction representatives, the Metropolitan Emergency Managers Committee and other interested parties. The meeting schedule was posted on the MARC website and on MARC social media.

To get the word out about the public meetings to as many residents as possible, MARC staff posted information on its website, sent flyers electronically to various regional committees composed of representatives from local jurisdictions and other interested parties, and advertised the events through social media. **Table 1.5** shows the advertisements that were placed for community engagements.

<b>Table 1.5: MARC Stakeholder Community Engagement Event Advertisements</b>			
<b>Event date</b>	<b>Description of Event, Location</b>	<b>County</b>	<b>Media Used</b>
April 2, 2019	Kickoff Meeting at Kauffman Foundation Conference Center, Kansas City, MO	Cass, Clay, Jackson, Platte, Ray	Flyer and HMTL invitations sent to large group of local stakeholders Used MARC website to promote event
Sept. 4, 2019	First Meeting for Ray County stakeholders and the public to learn about the plan and provide input to the plan contents. Ray County Eagleton Center, Richmond, MO	Ray County	Social Media – Facebook. Paid ad for Aug 30 – Sept 4 (\$15.58) <a href="https://www.facebook.com/events/">https://www.facebook.com/events/</a> Richmond Daily News ad on Aug 30 (\$)
Sept. 6, 2019	First Meeting for Platte County stakeholders and the public to learn about the plan and provide input to the plan contents. Platte County Resource Center, Kansas City, MO	Platte County	Social Media – Facebook. Paid ad for Sept 1-6 (\$50) <a href="https://www.facebook.com/events/">https://www.facebook.com/events/</a>
Sept. 10, 2019	First Meeting for Jackson County stakeholders and the public to learn about the plan and provide input to the plan contents, Independence Truman Memorial Building	Jackson County	Social Media – Facebook. Paid ad for Sept 4-10 (\$50.04) <a href="https://www.facebook.com/events/">https://www.facebook.com/events/</a>
Sept. 11, 2019	First Meeting for Cass County stakeholders and the public to learn about the plan and provide input to the plan contents. Raymore Community Center.	Cass County	Social Media – Facebook. Paid ad for Sept 6-11 (\$50) <a href="https://www.facebook.com/events/">https://www.facebook.com/events/</a>
Sept. 12, 2019	First Meeting for Clay County stakeholders and the public to learn about the plan and provide input to the plan contents. Gladstone Community Center	Clay County	Social Media – Facebook. Paid ad for Sept 7-12 (\$50.07) <a href="https://www.facebook.com/events/">https://www.facebook.com/events/</a>
Dec. 5, 2019	Second Meeting for Ray County stakeholders and the public to review capabilities assessment and discuss goals/strategies. Held at Ray County Library.	Ray County	Social Media post. Facebook.

<b>Event date</b>	<b>Description of Event, Location</b>	<b>County</b>	<b>Media Used</b>
Dec. 11, 2019	Second Meeting for Platte County stakeholders and the public to review capabilities assessment and discuss goals/strategies. Held at Platte Co Resource Center in KCMO.	Platte County	Social Media post. Facebook.
Dec. 13, 2019	Second Meeting for Jackson County stakeholders and the public to review capabilities assessment and discuss goals/strategies. Held at Grandview Community Center.	Jackson County	Social Media post. Facebook.
Dec. 18, 2019	Second Meeting for Cass County stakeholders and the public to review capabilities assessment and discuss goals/strategies. Held at Raymore Community Center.	Cass County	Social Media post. Facebook.
Jan. 8, 2020	Second Meeting for Clay County stakeholders and the public to review capabilities assessment and discuss goals/strategies. Held at Clay Co Public Health Center.	Clay County	Social Media post. Facebook.
Feb. 14, 2020	Promoted the placement of the draft 2020 plan on the MARC website to encourage review by local stakeholders and the public	All five counties	Used Social Media; Facebook; MARC website

Posts were created on MARC's social networking sites including Twitter and Facebook. A homepage story was created on the MARC Web site. E-mail invitations were sent through MARC listservs, requesting regional partners and committees forward to their constituents. Jurisdictions were provided with fliers advertising the events for distribution around their community. Additionally, jurisdictions were asked to link notices for the public meetings to their cities' Web sites and community calendars, where applicable. Jurisdictions were also asked to use any other available outlets to advertise the events, such as local government access TV channels, e-newsletters and posting information to their own social networking accounts. Meeting dates and participants for each public meeting are listed in **Table 1.1 Summary of Planning Meetings**.

The final plan, prior to submission to SEMA and FEMA, was provided to all participating jurisdictions. The plan was placed in its entirety on MARC's website and an online feedback mechanism was created to provide a concluding opportunity for the public to comment on the plan. MARC staff issued press releases, sent email notifications through local list servers and distributed fliers detailing instructions on

where to access the plan and how to provide feedback. Jurisdictions were again asked to link these items to their Websites as well as utilize other available outlets to spread the word regarding the final review period.

Following FEMA's approval of the plan "pending adoption" and prior to formal adoption of the plan, jurisdictions were encouraged to hold public meetings to discuss the plan's adoption.

Copies of meeting notices, fliers, advertisements, press releases, etc. are provided in Appendix B: Supporting Documents.

#### **1.4 Attachments**

**Attachment 1.1:** Hazard Mitigation Planning Committee (HMPC) Member Roles and Responsibilities

**Attachment 1.2:** 2020 Participating Jurisdictions' Designated Responsible Parties

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

**ATTACHMENT 1: HAZARD MITIGATION PLANNING COMMITTEE (HMPC) MEMBERS ROLES  
AND RESPONSIBILITIES****I. Roles*****A. Planning Team:***

**Justin Crane**, Director, Cass County Emergency Management

Representing the following Cass County Communities:

- Belton
- Harrisonville
- Lake Annette
- Lake Winnebago
- Peculiar
- Pleasant Hill
- Raymore
- Archie R-V School District
- Harrisonville School District
- Pleasant Hill School District
- Raymore-Peculiar School District

**Will Akin**, Clay County Assistant Emergency Management Director

Representing the following Clay County Communities:

- Excelsior Springs
- Gladstone
- Kearney
- Lawson
- Liberty
- Mosby
- North Kansas City
- Smithville
- Fishing River Fire Protection District
- Excelsior Springs School District
- Lawson School District
- North Kansas City School District
- Smithville R-II School District

**Mike Curry**, Director, Jackson County Emergency Preparedness

Representing the following Jackson County Communities:

- Blue Springs
- Grandview
- Greenwood
- Independence
- Kansas City
- Lee's Summit
- Oak Grove
- Raytown
- Central Jackson County Fire Protection District
- Sni Valley Fire Protection District
- Blue Springs R-IV School District
- Fort Osage School District
- Grain Valley School District
- Independence School District
- Kansas City School District
- Lee's Summit School District
- Oak Grove R-VI School District
- Metropolitan Community Colleges

**Michael O'Neal**, Deputy Director, Platte County Sheriff's Department and **Anthony Avery**, Captain, Platte County Sheriff's Department (Appointed by Mark Owen, Director, Platte County Emergency Management)

Representing the following Platte County Communities:

- Dearborn
- Farley
- Ferrelview
- Houston Lake
- Lake Waukomis
- Northmoor
- Parkville
- Platte City
- Platte Woods
- Riverside
- Tracy
- Weatherby Lake
- Weston
- Northland Regional Ambulance District (NRAD)
- West Platte Fire Protection District
- North Platte R-1 School District

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

**Dante Gliniecki**, Emergency Manager, City of Independence

**James Connelly**, Emergency Manager, Kansas City, Mo. Emergency Management

**Chris Carroll**, Emergency Planner, Kansas City, Mo. Emergency Management

**Billie Hufford**, Building Official, city of Grandview, MO

**David Pavlich**, Community Development Director, city of Kearney, MO

**B. *Plan Author, Mid-America Regional Council (MARC):***

**Marlene Nagel**, Community Development Director

- Project oversight and plan author

**Erin Lynch**, Emergency Services and Homeland Security Program Director

- Project oversight

**John Davis**, Emergency Services Fiscal Administrator

- Data management

**Jay Hermann, GIS Manager**, Research Services

- Research and Data lead

**Tim Victor and Sara Hintzes**, Database Analysts, Research Services

- Developed online tools to collect/update jurisdiction profiles and goals and strategies

**Jakob Goldman**, GIS Specialist II

- GIS mapping, coordination and research

**Tina Sikes**, GIS Specialist II

- GIS mapping and research

**Catherine Couch**, Public Affairs Coordinator

- Lead graphic designer; marketing coordinator

**Kristin Johnson-Waggoner**, Public Affairs Program Director

- Editor, graphic design

**Nordia Epps**, Public Affairs Coordinator II

- Traditional Media and Social Media coordinator

**Caroline Knecht**, Public Affairs Website Coordinator

- Web site design

**Sasan Baharaeen**, Manager of Information Services

- Database design and maintenance, IT support

## II. Responsibilities

### A. *Plan Author*

1. Provide administrative support for the update process to include, but not limited to:
  - a. Organize meetings, send mailings, draft and incorporate plan revisions, conduct research, etc.
  - b. Provide the Planning Team with recommendations and advice on plan requirements as well as electronic and/or hard copies of updates to the plan as they are drafted for review and comment
  - c. Assist in the development of mitigation strategies.
  - b. Provide monthly updates and other information as requested to SEMA in accordance memorandum of agreement.
  - d. Compile comments, revisions, evaluations, etc., from future reviews and updates and integrate into plan.

### B. *Planning Team*

1. Oversee the update process to include, but not limited to:
  - a. Determine requirements for satisfactory participation.
  - b. Review and approve all revisions to the hazard mitigation plan.

- c. Provide locations to host meeting opportunities.
- d. Work with represented jurisdictions to assist in gathering required information and developing mitigation strategies.
- e. Organize yearly reviews of the plan for represented jurisdictions. Review all new information submitted and forward to Plan Author for incorporation.

**C. *Participating Jurisdictions***

- 1. Inform the update process by accomplishing the following:
  - a. Complete all requirements for satisfactory participation as determined by the Planning Team.
  - b. Review and comment on the plan as drafts become available. Formally adopt the completed plan by resolution.
  - c. Participate in yearly reviews of the plan and subsequent five-year updates. Submit changes as necessary to Planning Team representative for review and forward to Plan Author.
  - d. Designate a responsible party to coordinate the above and notify Planning Team representative of designee by name, job title, organization or any other satisfactory method upon appointment or when a change occurs. Responsible parties for participating jurisdictions shall be listed in **Attachment 2** to this section.

**ATTACHMENT 2: 2020 PARTICIPATING JURISDICTIONS'  
DESIGNATED RESPONSIBLE PARTIES**

<b>Jurisdiction</b>	<b>Responsible Party (Name)</b>	<b>Title</b>
1. Cass County	Justin Crane	Emergency Management Director
2. Clay County	Will Akin	Emergency Management Director
3. Jackson County	Mike Curry	Emergency Preparedness Director
4. Platte County	Mike O'Neal	Deputy Emergency Management Director
5. Ray County	Carl Harper	County Emergency Management
6. Belton	James Person	Chief of Police
7. Blue Springs	Chris Sandie	Assistant Director Public Works
8. Central Jackson County Fire Protection District	Les Boatright	Emergency Management Director
9. Dearborn	Don Kerns	Alderman
10. Excelsior Springs	Paul Tribble	Fire Chief
11. Farley	Teresa Bing	Mayor
12. Ferrelview	Steve Carr	Emergency Management/Health Officer
13. Fishing River Fire Protection District	Gene Walker	Fire Chief
14. Gladstone	Sean Daugherty	Emergency Management Director
15. Grandview	Dennis Randolph	Director of Public Works
16. Greenwood	Cheri Roberts	City Clerk
17. Harrisonville	Eric Myler	Emergency Services Director
18. Houston Lake	Don Coronado	Emergency Management Director
19. Independence	Dante Glinecki	Emergency Preparedness Planner
20. Kansas City, Mo	Christopher Carroll	Emergency Management Planner
21. Kearney	David Pavlich	Community Development Director
22. Lake Annette	Angela Hansen	Mayor
23. Lake Waukomis	Jeff Libby	Emergency Coordinator
24. Lake Winnebago	Kenneth Smith	Emergency Management Director
25. Lawson	Matt Nolker	City Administrator
26. Lee's Summit	Jim Eden	Assistant Chief
27. Liberty	Dustin Paddock	Fire Marshal
28. Mosby	Gene Walker	Emergency Manager
29. North Kansas City	Dave Hargis	Fire Chief
30. Northland Regional Ambulance District	Jason S James	Supervisor
31. Northmoor	Kelly Clark	Chief of Police
32. Oak Grove	Mark Sherwood	Emergency Management Director

<b>Jurisdiction</b>	<b>Responsible Party (Name)</b>	<b>Title</b>
33. Parkville	Jon Jordan	Captain
34. Peculiar	Carl Brooks	City Engineer
35. Platte City	Carl Mitchell	Chief of Police
36. Platte Woods	Michael Benne	Chief of Police/ EM Director
37. Pleasant Hill	Shelby Teubel	City Administrator
38. Raymore	Ryan Murdock	Emergency Management Coordinator
39. Raytown	Dyon Harper	Police Captain/EM Coordinator
40. Richmond	Mark Sowder	Fire Chief/EM Director
41. Riverside	Jeffery Taylor	Emergency Manager
42. Sni Valley Fire Protection District	Mark Sherwood	Emergency Management Director
43. Smithville	Jason Lockridge	Police Chief
44. Tracy	Barbara Stewart	City Clerk/Collector
45. Weatherby Lake	Gary McMullin	Chief of Police
46. Weston	Kim Kirby	City Clerk
47. West Platte Fire Protection District	Lynn Johnson	Administrator of Emergency Services
48. Archie R-V School District	Dr. Jeff Kramer	Superintendent
49. Blue Springs R-IV School District	Tom Phillips	Executive Director of Emergency Services
50. Excelsior Springs School District	Lisa Shelton	Administrative Assistant
51. Grain Valley School District	Dr. Nick Gooch	Assistant Superintendent
52. Fort Osage R-I School District	John Ruddy	Assistant Superintendent
53. Harrisonville School District	Tim Ryan	Assistant Superintendent
54. Independence School District	Salum Stutzer	Director of Facilities
55. Kansas City School District	Regina Ferguson	Risk Manager
56. Lawson School District	Roger Schmitz	Superintendent
57. Lee's Summit School District	Ryan Hall	Supervisor of Safety & Environmental Services
58. North Kansas City School District	Jon Brady	Director of Safety & Security

<b>Jurisdiction</b>	<b>Responsible Party (Name)</b>	<b>Title</b>
59. North Platte R-1 School District	Dr. Jeffrey Sumy	Superintendent
60. Oak Grove R-VI School District	Freddie Doherty	Superintendent
61. Park Hill School District	Joshua Colvin	Director Student Services
62. Platte County R-III School District	Tolan Singer	Director of Student Services
63. Pleasant Hill School District	John Griffith	Assistant Superintendent
64. Raymore-Peculiar School District	Jay Harris	Assistant Superintendent
65. Smithville R-II School District	Wayne Krueger	Assistant Superintendent
66. West Platte R-II School District	Dr. Regina Knott	Director of Special Services & Assessment
67. Metropolitan Community Colleges	Laure Christensen	Chief of Staff
68. Park Hill University	Will London	EHS Compliance Coordinator