

4. MITIGATION STRATEGY

Local Hazard Mitigation Goals

This chapter presents the mitigation strategy developed by the Planning Committee based on the risk assessment. The mitigation strategy was developed through a collaborative group process. The Steering Committee reviewed the Goals and Objectives from the 2009 plan and made several changes, as discussed below.

Goals

Goals are general guidelines that explain desired achievements. They are usually long-term, broad, policy-type statements.

2009 Plan Goals

- **Goal 1:** Protect human life and health.
- **Goal 2:** Minimize the need for rescue and relief efforts associated with all hazards.
- **Goal 3:** Minimize damage and displacement of private property, including both residential and commercial.
- **Goal 4:** Minimize expenditure of community resources for response and recovery resulting from all hazards.
- **Goal 5:** Minimize damage to public facilities and utilities such as water and gas mains; electric, telephone and sewer lines; bridges, and roads.
- **Goal 6:** Ensure that the public is adequately informed of the potential for all hazards to occur and of the means of warning, mitigation, and recovery available within the county-wide planning area.

At the February 19, 2015 Planning Committee meeting, the goals were review and discussed. Goal 1 remained very similar, but was clarified. Goals 2 and 3 were combined and reworded to reflect overall vulnerabilities. Goal 4 was eliminated as it is more directly related to emergency response. Goal 5 was reworded, and Goal 6 was reworded to be broader. A new goal was brought in to emphasize the intergovernmental collaboration that is needed to help mitigate hazards. This also helps recognize collaboration has been occurring the planning area and region. Following the meeting, the Planning Committee agreed to revise the goals to the following:

2015 Plan Goals

- **Goal 1:** Protect human life and public health from the effects of hazards.
- **Goal 2:** Minimize vulnerability of property from the effects of hazards.
- **Goal 3:** Minimize damage to critical facilities, infrastructure, and other community assets from the effects of hazards.
- **Goal 4:** Improve public communication, education, and awareness of hazards and their risks.

- **Goal 5:** Strengthen intergovernmental coordination among jurisdictions within Rock Island County and the Region.

Objectives

Objectives are defined as strategies or implementation steps to attain stated goals. The Planning Committee reviewed the objectives from the 2009 plan at their April 16, 2015 Planning Committee meeting. It was agreed that the objectives from the 2009 plan were no longer relevant with the new goals. The Planning Committee utilized FEMA guidance documents that describe a range of mitigation measures as the basis of the objectives in the plan and agreed on the following objectives:

- **Objective 1:** Develop and implement government administrative or regulatory actions or processes to influence the way land and buildings are developed and built. (Preventative Measure)
- **Objective 2:** Protect buildings and structures from hazards by modifying or removing them from hazard areas. (Property Protection)
- **Objective 3:** Inform and educate citizens, elected officials, and property owners about hazards and ways of mitigating. (Public Education and Awareness)
- **Objective 4:** Preserve or restore functions of natural systems while minimizing hazard losses. (Natural Resource Protections)
- **Objective 5:** Construct and maintain structural projects to reduce or redirect the impact of hazards away from at-risk populations and facilities. (Structural Projects)
- **Objective 6:** Protect people and property during and after a disaster event in order to minimize its impact and preserve the community's health and safety. (Emergency Services)

As described in Chapter 3, the Planning Committee determined that the focus of the mitigation actions would be on hazards identified as a first priority for the planning area. The first priority hazards are:

- Severe Storms Combined
- Severe Winter Storms
- Extreme Heat
- Influenza Pandemic
- River Flooding
- Hazardous Materials Incident
- Flash Flooding
- Levee Failure

The identified hazards and their ranking may differ for individual jurisdictions based on their unique conditions within Rock Island County; however, jurisdictions include most of the planning area hazards. The overall prioritization was agreed upon by the Planning Committee.

Review and Evaluation of Mitigation Actions

In the 2009 plan, the Steering Committee brainstormed possible mitigation actions to address the First Priority Hazards. These were sorted by the six categories within the comprehensive range of mitigation action to identify where other actions might be considered. The original action concepts were edited into consistent language of actionable items. Next, the actions were assigned to appropriate goals and objectives and numbered accordingly. During the process of developing hazard mitigation actions, a number of suggestions were added to the original list. These are noted as appropriate in the evaluation. For the 2015 update, the Planning Committee reviewed existing mitigation actions and updated as necessary.

Due to the format utilized in the 2009 plan, it was hard to determine definitively which actions belonged to each jurisdiction. Any actions that possibly related to a jurisdiction were given to that jurisdiction to review and evaluate. Mitigation actions are listed under each jurisdiction. Updates on each jurisdiction's actions are included in Tables 4-1 and 4-2.

Actions were evaluated according to the STAPLEE method recommended by FEMA guidance for local hazard mitigation planning. This method provides a systematic way of evaluating the opportunities and constraints of implementing a particular mitigation action in the local jurisdiction. STAPLEE is an acronym for evaluating each action in terms of Social, Technical, Administrative, Political, Legal, Economic, and Environmental (STAPLEE) factors for implementation. A more detailed explanation of the STAPLEE evaluation method is in Appendix 4-1. A sample of the STAPLEE worksheet is included as Appendix 4-2.

Because of the extensive detail of the STAPLEE analysis, that information is included as a separate Appendix 4-3. This appendix contains the list of all actions considered: benefit, costs and/or funding source if available, person responsible for leading the action by title of position, timeframe for completion, and priority.

Multi-Jurisdiction Mitigation Actions

In addition to the priority actions identified for the planning area as a whole, each participating jurisdiction identified at least one of its own actions to carry out. Staff assisted with the STAPLEE evaluation of these actions as shown in Appendix 4-3. The evaluations were reviewed by the jurisdictions, and the actions were identified as priorities. The individual jurisdiction priority actions are summarized in Table 4-1. Following the evaluation of the mitigation actions, some of the jurisdictions decided to remove actions from their list. Reasons for doing so included completion of mitigation actions, no jurisdiction over the action, and fiscally infeasible. Table 4-2 lists mitigation actions that are not carried forward and the reason why.

**Table 4-1
Jurisdictional Priority Actions**

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
ANDALUSIA							
1	Obtain levee certification to meet 100-year flood certification guidelines. Possible reconstruction will be needed.	SP	2	Levee Failure; River Flood	yes	Working with USACE on analysis	no
2	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements	PM	2	Flash Flood; River Flood	yes	Ongoing	no
3	Create a voluntary flood acquisition program and elevation program	PP	2	Flash Flood; River Flood	yes	Have completed some buyouts and elevations	no
4	Enforce and keep building codes updated to Rock Island County's current standards.	PM	1	All Hazards	yes	Ongoing	no
5	Construct safe room at Andalusia Elementary School to provide shelter to vulnerable populations.	SP	1	Severe Storms Combined	no	Needs to be addressed by Rock Ridge School District	yes
6	Relocate well head out of floodplain and realign distribution system with water tower	PP	3	River Flood	yes	not completed	no

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
CARBON CLIFF							
1	Storm water management through permeable pavements in the downtown streets	SP	3	Flash Flood, River Flood	yes	design plans completed	no
2	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements	PM	2	Flash Flood, River Flood	yes	ongoing; Floodplain Manager = Director of Community & administrative Services	no
3	Enforce and keep building codes updated to Rock Island County's current standards.	PM	1	All Hazards	yes	ongoing; building inspector contracted with Rock Island County	no
4	Raise 9 properties out of the floodplain	PP	2	Flash Flood, River Flood	no	planned	yes
5	Reconstruct 1st Avenue culvert which needs upgrading	SP	3	Flash Flood, River Flood	no	planned	yes
6	Bank stabilization east of the river	SP	3	Flash Flood, River Flood	no	planned	yes
COAL VALLEY							
1	Enforce and keep building codes updated to Rock Island County's current standards.	PM	1	All Hazards	no	Ongoing	yes
2	Ensure that mobile homes have adequate tie downs	PM	1	Severe Storms Combined	no	Ongoing	yes
3	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements	PM	2	Flash Flood, River Flood	no	Ongoing	yes
4	Replace current flood gate with permanent access gate	SP	2	Flash Flood, River Flood	no	Examining gate choices	yes
5	Provide seasonal hazards information for residents in Village's quarterly newsletters	PM	4	All Hazards	no	new	yes
6	Construct safe room at Coal Valley Municipal Building to provide shelter to vulnerable populations.	SP	1	Severe Storms Combined	no	new	yes

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
CORDOVA							
1	Enforce and update building codes to current International Code Series	PM	1	All Hazards	yes	ongoing	no
2	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Cod, which exceeds NFIP minimum requirements: Floodplain Manager is building inspector	PM	2	Levee Failure; River flood	yes	ongoing	no
3	Purchase generators for emergency backup: \$66,000 for new lift station & \$71,000 for water tower and well pump	ES	3	Levee Failure; River flood	yes	ongoing	no
EAST MOLINE							
1	Improve floodgates B, C, D, and E on levee system	SP	2	Levee Failure	No	New	Yes
2	Automate floodgate and gate wells monitoring system using SCADA	PM	2	Flash Flood; River Flood	No	New	Yes
3	Upgrade tornado sirens with SCADA	PM	1	Severe Storms Combined	No	New	Yes
4	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements	PM	2	River Flood	Yes	Ongoing	No
5	Promote use and purchasing of NOAA radios to vulnerable populations	PM	4	All Hazards	No	New	Yes
6	Enforce and update building codes to current International Code Series	PM	1	All Hazards	Yes	Updates made every 3-6 years	No
7	Ensure manufactured homes have adequate tie downs.	PM	2	Severe Storms Combined	Yes	Enforced as permits are pulled	No

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
HAMPTON							
1	Enforce and keep building codes updated to Rock Island County's current standards.	PM	1	All Hazards	yes	ongoing	no
2	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements	PM	2	All Hazards	yes	ongoing	no
3	Create a voluntary flood acquisition program near the City Park on 8th St	PP	3	River Flooding; Flash Flood	yes	exploring options near the park	no
4	Purchase two warning sirens @ \$16,000 each	SP	1	All Hazards	yes	still identifying funds	no
HILLSDALE							
1	Enforce and keep building codes updated to Rock Island County's current standards.	PM	1	All Hazards	yes	ongoing; contracts with Rock Island County for Building Inspector	no
2	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements	PM	2	Flash Flood, River Flood	yes	ongoing; contracts with Rock Island County for Floodplain Manager	no
3	Exploring levee improvements to meet 100-year flood certification guidelines. Possible reconstruction will be needed.	SP	2	Levee Failures	no	cost estimates established for \$45K - \$50K	yes
4	Upgrade existing control system for local sirens	SP	1	All Hazards	no	exploring vendors	yes

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
MILAN							
1	Update levee certification	SP	2	Levee Failure; River flood	no	planned	yes
2	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements	PM	2	All Hazards	no	completed inspections currently	yes
3	Establish written procedures for severe weather and hazard events	PM	5	All Hazards	yes	ongoing	no
4	Ensure that mobile homes have adequate tie downs	PM	1	Severe Storms Combined	no	ongoing	yes
MOLINE							
1	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements and adopt new model codes as they are issued.	PM	2	River Flood	Yes	Ongoing	No
2	Secure outside funding to update and enhance City's Emergency Services Preparedness Plan	PM	5	All Hazards	Yes	In progress as of plan update	No
3	Enforce and update building codes to current International Code Series	PM	1	All Hazards	Yes	On 2012 Codes	No
4	Maintain Community Rating System at current class level.	PM	2	River Flood	No	Ongoing; current class is 8	Yes
5	Implement voluntary flood acquisition and mitigation programs on both Mississippi and Rock Rivers as needed	PP	2	River Flood	Yes	As needed	No

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
MOLINE-COAL VALLEY COMMUNITY SCHOOL DISTRICT							
1	Continue to promote and educate on proper hand washing practices for students and staff.	PM	4	Influenza Pandemic	No	New	Yes
2	Work with Rock Island County Emergency Management to identify the hazardous substances near schools and create shelter in place or evacuation plans as needed.	PM	5	Hazardous Materials Incident	No	New	Yes
3	Construct safe rooms in new or substantially expanded school buildings as financially feasible.	SP	1	Severe Storms Combined	No	New	Yes
ORION COMMUNITY SCHOOL DISTRICT							
1	Install backup generators at Orion High School, Orion Middle School, and Orion Elementary School.	SP	1	All Hazards	no	planned?	yes
2	Install safety grate on storm water pipe located at Orion Middle School.	SP	1	Flash Flooding	no	planned?	yes
3	Divert storm water runoff at Orion High School from adjacent farm field to designated retention area.	SP	3	Flash Flooding	no	planned?	yes
4	Construct safe room at Orion High School to provide shelter to vulnerable populations.	SP	1	All Hazards	no	planned?	yes

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
PORT BYRON							
1	Enforce and keep building codes updated to Rock Island County's current standards.	PM	1	All Hazards	yes	ongoing; contracts with Rock Island County for Building Inspector	no
2	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements	PM	2	Flash Flood, River Flood	yes	ongoing; contracts with Rock Island County for Floodplain Manager	no
3	Upgrade existing village hall to include permanently mounted generator for power outages	ES	3	All Hazards	no	exploring funding sources	no
RAPIDS CITY							
1	Emergency generator for community center - warming/cooling center	ES	1	All Hazards	yes	exploring funding / grants	no
2	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements	PM	2	Flash Flood, River Flood	yes	ongoing; Building Inspector is floodplain manager	no
3	Enforce and keep building codes updated to Rock Island County's current standards.	PM	1	All Hazards	yes	ongoing; Building Inspector to inspect standards	no
4	Local siren system installation for emergencies	SP	1	All Hazards	no	exploring funding / grants	yes
5	Retrofitting existing building near Public Works Dept for sandbag and equipment storage	SP	3	Flash Flood, River Flood	no	exploring funding / grants	yes
6	Installation of 2 emergency generators for sewage treatment plant in the event of power loss	ES	3	All Hazards	no	exploring funding / grants	yes
7	Exploring warning system through web-based list-serve in event of emergency	PM	4	All Hazards	no	exploring funding / grants	yes

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
REYNOLDS							
1	Upgrade water mains by connecting currently unconnected mains to create loops at four locations (Main St, Perryton St, Bush St, and Lloyd St) and add additional fire hydrants.	SP	1	Drought	no	planned	yes
2	Enforce and update building codes to Rock Island County's current standards.	PM	1	All Hazards	yes	ngoing	no
3	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements	PM	2	All Hazards	yes	ongoing	no
ROCK ISLAND							
1	Update levee certification	SP	1	Levee Failure	Yes	ongoing	No
2	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements and adopt new model codes are they are issued. Current require 2 feet of freeboard	PM	2	River Flood	Yes	ongoing	No
3	Enforce and update building codes to current International Code Series	PM	1	All Hazards	Yes	Will be updating to 2015 soon	No
4	Seek funding to undertake rehabilitation or reconstruction of levees as needed to maintain certification	SP	2	Levee Failure	Yes	As needed	No
5	Identify critical facilities such as lift stations where backup generators should be installed and purchase as necessary.	ES	3	All Hazards	Yes	Not completed	No
6	Research options to protect sewer systems to the 100-year flood level.	PM	3	Flash Flood; River Flood	Yes	Not completed	No

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
ROCK ISLAND, continued							
7	Construct safe room where vulnerable populations may not have other sources of shelter as feasible.	SP	1	Severe Storms Combined	Yes	None have been feasible at this time	No
8	Ensure manufactured homes have adequate tire downs	PM	2	Severe Storms Combined	Yes	As new ones go in	No
9	Implement voluntary flood acquisition program if need arises	PP	2	River Flood	Yes	As needed	No
ROCK ISLAND COUNTY							
1	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements and adopt new model codes are they are issued.	PM	2	River Flood	Yes	Ongoing	No
2	Continue participation of Community Rating System at a class 7	PM	2	River Flood	No	Ongoing	No
3	Evaluate siren system for adequate warning coverage	PM	5	Severe Storms Combined	Yes	Ongoing	No
4	Identify locations of vulnerable populations, such as elderly	PM	5	All Hazards	Yes	Identified in Exelon Area and at nursing homes.	No
5	Identify critical waterways that may be subject to hazardous material spills	NR	5	Hazardous Materials Incident	Yes	No Action Taken	No
6	Coordinate flood warning systems and response	PM	5	Flash Flood; River Flood	Yes	Reverse 911 and media release procedures in place	No
7	Maintain, regularly review, communicate with community partners, and execute county Pandemic Influenza Plan if a pandemic occurs.	PM	1, 5	Influenza Pandemic	No	New	Yes

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
ROCK ISLAND COUNTY, continued							
8	Make educational materials about flood areas, regulations, mitigation measures, and insurance limitations for the public	PM	4	Flash Flood; River Flood	Yes	Ongoing	No
9	Train staff in storm water management and promote local trainings to local governments	PM	5	Flash Flood; Severe Storms Combined	Yes	Trainings held 3-6-14 and 2-24-15. Goal to train annually	No
10	Levee Certification; seek funding to undertake rehabilitation or reconstruction of levees as needed for certification	SP	2	Levee Failure	Yes	None certified in unincorporated area	No
11	Continue acquisition program for Barstown area trailer park.	PP	2	River Flood	Yes	Grant received; estimated completion in 2016	No
12	Elevate floodprone buildings in Barstow Area or mitigate as necessary	PP	2	River Flood	No	New	Yes
13	Voluntary acquisition of floodprone properties in Barstow area	PP	2	River Flood	No	New	Yes
14	Elevate floodprone buildings on Campbell's Island or mitigate as necessary	PP	2	River Flood	No	New	Yes
15	Voluntary acquisition of floodprone Campbell's Island properties	PP	2	River Flood	No	New	Yes
16	Elevate floodprone buildings in First Avenue North or mitigate as necessary	PP	2	River Flood	No	New	Yes
17	Voluntary acquisition of floodprone First Avenue North properties	PP	2	River Flood	No	New	Yes
18	Elevate floodprone buildings in South Shore Drive or mitigate as necessary	PP	2	River Flood	No	New	Yes
19	Voluntary acquisition of floodprone South Shore Drive Properties	PP	2	River Flood	No	New	Yes

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
ROCK ISLAND COUNTY, continued							
20	Elevate floodprone buildings in North Shore Drive or mitigate as necessary	PP	2	River Flood	No	New	Yes
21	Voluntary acquisition of floodprone North Shore Drive Properties	PP	2	River Flood	No	New	Yes
22	Enforce and update building codes to current International Code Series	PM	1	All Hazards	Yes	Current on 2012	No
23	Ensure manufactured homes have adequate tie downs.	PM	2	Severe Storms Combined	Yes	Properties newer than 1965 are properly tied down; need to go back and ensure that still compliant. Will do so when permits are pulled	No
24	Construct safe room for vulnerable populations without other sources of shelter in unincorporated Rock Island County	SP	1	Severe Storms Combined	Yes	Revised from previous plan.	No
25	Hold local training on fire code enforcement	PM	5	All Hazards	Yes	International Fire Code training held 10/29/15; goal to train annually	No
26	Promote the purchase of NOAA weather radios	PM	4	All Hazards	Yes	Ongoing	No
27	Look for more information on hazardous materials incidents for the next plan update and distinguish between fixed site and transportation related incidents	PM	5	Hazardous Materials Incident	Yes	Ongoing	No
28	Provide more detail of critical facilities in next plan update include information on critical facilities in floodplain	PM	3	All Hazards	Yes	Some new data provided, still striving to provide more detail	No
29	Conduct commodity studies for Extremely Hazardous Substances fixed facilities	PM	5	Hazardous Materials Incident	No	New	Yes

Priority	Action	Objective	Goal	Hazard Addressed	From 2009 Plan	Status	New for 2015
SILVIS							
1	Design and construct 14th Street and 7th Avenue storm water management project	SP	2	Flash Flood; Severe Storms Combined	No	New	Yes
2	Establish written procedures for severe weather hazard events	PM	5	All Hazards	Yes	Have not completed	No
3	Regularly trim city owned trees	PM	2	Severe Storms Combined	No	New	Yes
4	Enforce and update building codes to current International Code Series	PM	1	All Hazards	Yes	Updated to 2012 code	No
5	Ensure manufactured homes have adequate tie downs.	PM	2	Severe Storms Combined	Yes	8 Manufactured homes; monitoring	No
6	Continue NFIP compliance by enforcing local floodplain ordinances based on State of Illinois Model Code, which exceeds NFIP minimum requirements and adopt new model codes are they are issued.	PM	2	River Flood	Yes	Ongoing	No

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Table 4-2
Mitigation Actions Not Carried Forward

Action from 2009 Plan	Reason for Removal	Jurisdiction
Purchase 6" diesel pump for flood gate	Completed	Coal Valley
Update levee certification	Completed in 2012	East Moline
Seek funding to undertake rehabilitation o reconstruction of levees as needed for certification	Completed as part of levee certification	East Moline
Purchase pumps and generators for flood gates	Completed	East Moline
Purchase back-up generators for fire stations	Completed	Moline
Purchase and Install backup generators for lift stations and water supply pumps	Completed	Reynolds
Establish coordinated warming and/or cooling centers	Completed by Red Cross and Townships	Rock Island
Consider route changes for transportation of hazardous materials	Deemed infeasible by county jurisdiction	Rock Island County
Establish warming or cooling centers	Established by townships	Rock Island County
Identify flood shelter facilities and develop use agreements	Established by Red Cross	Rock Island County
Designate or coordinate emergency routes	Evacuation Plan completed in 2014	Rock Island County
Develop a coordinated list for equipment such as snow mobiles, 4 wheel vehicles, etc to share among jurisdictions in emergencies	Located in Emergency Response Plan; deemed not a mitigation action	Rock Island County
Formalize intergovernmental cooperation as needed	Mutual aid agreements are in place	Rock Island County
Designate shelter locations	Established by townships and Red Cross	Rock Island County
Coordinate flood response	Redundant mitigation action	Rock Island County
Consider use of prisoners from East Moline Correctional Facility for sand bagging	Decision is made individually by cities and townships	Rock Island County
Review local ordinances to ensure that requirements for roofing snow loads are maintained or increased to at least 30 lbs	Completed in 2009	Rock Island County
Protect waterways from hazardous materials spills	Deemed infeasible by county jurisdiction	Rock Island County
Establish programs for storm warnings	Completed	Rock Island County
Test warning system	Tests occur first Tuesday of every month at 10:00 am.	Rock Island County
Review tornado response plan	Occurs every two years as established procedure in emergency response plan.	Rock Island County
Coordinate with USACE for flood warning and response	Coordination has been established.	Rock Island County
Educate on the procedures for sand bag clean up after floods	Deemed not a mitigation action. Action part of emergency response plan	Rock Island County
Encourage development of check on neighbor program	Sheriff's Department has established and coordinates program	Rock Island County

5. PLAN MAINTENANCE PROCESS

Due to a change in staffing between the adoption of the 2009 plan and the plan update, there was little to no monitoring of the 2009 plan on a regional level. Rock Island County and Moline report on their mitigation actions as part of the Community Rating System annual reporting required. Individually, jurisdictions worked toward completing their mitigation actions, and those achievements are discussed in Chapter 4. After review of the procedures outlined in the 2009 plan, the Planning Committee agreed the plan maintenance process outlined made sense. Moving forward, Bi-State Regional Commission will help Rock Island County coordinate annual meetings to review, evaluate, and update the plan as necessary. For record keeping purposes, an annual update form will be used to track any changes to each jurisdiction and how they were affected by various hazards. The form can be found in Appendix 5-1.

Monitoring the Plan

Rock Island County will be the lead in the overall monitoring of the plan. The Planning Committee structure as described in the “Planning Process” section will be maintained to assure that each jurisdiction participates. Jurisdictions will be asked to fill vacancies at least annually to maintain a primary contact for the plan maintenance process. The Rock Island County Building and Zoning Department will schedule an annual meeting of the Planning Committee to track progress made on implementation of priority actions for both the planning area as a whole and individual jurisdictions. Generally, jurisdictions with their own ordinances and enforcement procedures will be responsible for monitoring their individual mitigation actions. At the annual meeting, the Planning Committee will also review the plan and make recommendations on if plan amendments or updates are needed due to changing conditions.

Evaluating the Plan

As part of the annual meeting described above, the Planning Committee will evaluate whether events of the previous year have affected the priority ranking of identified hazards. The plan will be evaluated based on the success of carrying out priority mitigation actions as identified in the plan. The Rock Island County Building and Zoning Department will be responsible for preparing periodic progress reports on the plan utilizing the annual report form as described above. This report will be copied to the chief elected officials of the participating jurisdictions and other primary contacts as appropriate. Finally, the Planning Committee will evaluate if the benefits of the priority actions are addressing the identified goals and objectives of the plan. If the completed actions from this plan are found to not benefit and address the goals and objectives of the plan, the Planning Committee may elect to update the plan early as described below.

Updating the Plan

The plan will be updated within five years of the date of the Federal Emergency Management Agency’s (FEMA) approval of the plan as required by 44 CFR 201.6(c)(4)(i). The plan may be updated earlier at the discretion of the Planning Committee, or in the event of a Presidential Disaster Declaration, which requires an update by regulation. The Rock Island County Building and Zoning Department will be responsible for collecting and maintaining information pertinent to future plan updates based on recommendations of the Planning Committee. Any changes will be documented and appended to the plan document in a section titled “Amendments” until such time as a full update is scheduled. The Annual Update Reports from each jurisdiction will be collected and utilized to update the plan in the next cycle. If no earlier update is needed, the

Planning Committee will evaluate the need for funding assistance for the update at its third annual meeting. This will allow time to make an application for planning grant funds and identify whether a contract with a consultant will be necessary for the update process. Actions to undertake the plan update should be scheduled so that there is continuity of FEMA approval for the applicable plan document.

Incorporation into Existing Planning Mechanisms

Early in the planning process, participating jurisdictions were asked to list their own existing local planning mechanisms and ordinances to evaluate what was already in place to incorporate the requirements of the mitigation plan. These lists are summarized in a matrix of existing planning mechanisms for the participating jurisdictions as shown in Appendix 2-7.

What:

Incorporating requirements of the mitigation plan will focus on existing planning mechanisms common among participating jurisdictions. These include:

- Comprehensive/Land Use Plans
- Subdivision Regulations
- Zoning Ordinances
- Building Codes
- Flood Plain Management Ordinances

Comprehensive/land use plans, or subdivision regulations for communities without a current comprehensive plan, provide the guidance for a community's ongoing and future development. The remaining ordinances and regulations listed above provide the enforcement tools for those development plans.

Who:

Rock Island County Zoning Department will collect information on review and incorporation of requirements of the mitigation plan. The department contracts enforcement of many of the above-listed planning mechanisms for a number of the smaller jurisdictions in the county. Larger communities with their own planning and ordinance enforcement officials will review their own existing planning mechanisms. These larger communities can communicate any adjustments in their planning mechanisms through their representation on the Planning Committee and in their Annual Update Report.

How:

Existing planning mechanisms will be reviewed for consistency with the requirements of the *Rock Island County Multi-Jurisdictional Hazard Mitigation Plan* in order to avoid duplication of efforts among jurisdictional departments or enforcement officials. Risk analysis and vulnerability data from the plan should be incorporated in the comprehensive/land use plans of each participating jurisdiction during regular review and update cycles. Risk analysis and vulnerability data and mitigation actions will be incorporated into enforcement tools where appropriate. For example, references to the scale of earthquake intensity may be appropriate to

building codes. Any adjustments or amendments to existing planning mechanisms will be made through the regular review cycle of the participating jurisdiction. Inconsistencies found between existing planning mechanisms and the *Rock Island County Multi-Jurisdictional Hazard Mitigation Plan* should be reported to the Rock Island County Building and Zoning Department for the annual plan review meeting.

When:

Rock Island County Building and Zoning Department will report at least annually on the progress of incorporating requirements of the mitigation plan through the meeting of the Planning Committee as described in the “Monitoring the Plan” section on page 151. Any issues reported of inconsistency between the local hazard mitigation plan and existing planning mechanisms will be considered for plan amendments or updates.

Continued Public Involvement

Rock Island County intends to make use of its website for continued public involvement. The website has been used in the plan process to keep the public informed about the plan document drafts in progress and Planning Committee meetings. The website will continue to be used to post the final local hazard mitigation plan document as adopted and approved by FEMA. The website also contains related hazard mitigation resources and links. Annual meetings of the Planning Committee will be publicized in the local newspaper of general circulation, and the meeting notices will be posted on the website. Progress reports will also be posted on the website as issued. Public comments on the plan process or document will be recorded and reported at the annual meeting of the Planning Committee.

