

# 6 Rolling Meadows 2021 MJ-HMP Jurisdictional Annual Report

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**Annual Reporting Year:** 2021

**Background:** Cook County and participating municipalities in the county developed a hazard mitigation plan to reduce risk from all hazards by identifying resources, information, and strategies for risk reduction. The federal Disaster Mitigation Act of 2000 requires state and local governments to develop hazard mitigation plans as a condition for federal disaster grant assistance. To prepare the plan, the participating partners organized resources, assessed risks from natural hazards within the county, developed planning goals and objectives, reviewed mitigation alternatives, and developed an action plan to address probable impacts from natural hazards. By completing this process, these jurisdictions maintained compliance with the Disaster Mitigation Act, achieving eligibility for mitigation grant funding opportunities afforded under the Robert T. Stafford Act.

**Purpose:** The purpose of this report is to provide an annual update on the implementation of the action plan identified in the Cook County Multi-Jurisdictional Hazard Mitigation Plan. The objective is to ensure that there is a continuing and responsive planning process that will keep the Hazard Mitigation Plan dynamic and responsive to the needs and capabilities of the partner jurisdictions. This report discusses the following:

- Natural hazard events that have occurred within the last year
- Changes in risk exposure within the planning area (all of Cook County) Mitigation success stories
- Review of the action plan
- Changes in capabilities that could impact plan implementation
- Recommendations for changes/enhancement.

## Hazard Analysis

Hazards that represent a county-wide risk are addressed in the Risk Assessment section of the 2019 Cook County Multi-Jurisdictional Hazard Mitigation Plan Update. This section only addresses the hazards and their associated impacts that are **relevant** and **unique** to the municipality.

**Flood and Severe Weather:** We have experienced flooding at Salt Creek and ponds (Kennedy, Kimball Hill, Willow Bend/Lake Barker). Erosion is a major problem that is exacerbating flooding issues.

**Winter Weather:** Winter weather can be dangerous for our elderly community (12.4% of the population is 65 or older and 1 major assisted living facility in the community)

## Natural Hazard Events in 2021

**Instructions:** Please use the **Edit** Tool to describe new hazard occurrences/incidents from the past year that have impacted your jurisdiction and had a measurable impact on people or property. (Example: A tornado occurred on [Date] and impacted [insert area] and caused damage to [insert damages]). You may also use the Edit Tool to suggest any modifications/improvements to the hazards unique to your community, as described below from the 2019 plan.

Describe 2021 Natural Hazard Events Here: N/A

## Mitigation Strategies and Actions

The heart of the mitigation plan is the mitigation strategy, which serves as the long-term blueprint for reducing the potential losses identified in the risk assessment. The mitigation strategy describes how the community will accomplish the overall purpose, or mission, of the planning process.

## New Mitigation Actions

The City of Rolling Meadows in partnership with Baxter & Woodman Engineering are working to enhance storm water drainage system improvements on Park Street to help the residents eliminate standing water and storm water runoff issues. The City has secured a grant from the State to financially assist with the program. We are also currently working with MWRD on a Green Infrastructure Grant opportunity (GIGO) program to provide a bio-swale to assist in the natural cleaning of the storm runoff water before reaching the watershed/ Salt Creek.

## Ongoing Mitigation Actions

The following are ongoing actions. During the 2019 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed. Reviewers of this report should refer to the Hazard Mitigation Plan for more detailed descriptions of each action and the prioritization process. Address the following for each mitigation action:

- Was any element of the action carried out during the reporting period?
- If no action was completed, why?
- Is the timeline for implementation or the action still appropriate?
- If the action was completed, does it need to be changed or removed from the action plan?

<b>TABLE: HAZARD MITIGATION ACTION PLAN MATRIX</b>
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<p style="text-align: center;"><b>Completion status legend:</b>  <b>N</b> = New      <b>O</b> = Action Ongoing toward Completion  <b>C</b> = Project Completed      <b>R</b> = Want Removed from Annex      <b>X</b> = No Action Taken</p>								
2021 Status	2020 Status	Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
<b>Action R7.1</b> —Resolve Brookwood Condominium Flooding								
<b>Status Description:</b>								
R	Remove	Remove	Flood	9, 12	Public Works	\$165,000; Medium	General revenue, FEMA grants, MWRD-Phase-II	Short-term
<b>Action R7.2</b> —Continue Ongoing Maintenance of Outdoor Warning System								
<b>Status Description:</b>								
C	Completed	Completed	Tornado	5, 6, 8	Public Works	\$125,000; Low	General Revenue	Ongoing
<b>Action R7.3</b> —Streambank Stabilization - Phase 4								
<b>Status Description:</b>								
R	Remove	Remove	Flood	9,12	Public Works	\$800,000; Medium	General revenue, FEMA grants, MWRD-Phase-II	Short-term
<b>Action R7.4</b> —Streambank Stabilization								
<b>Status Description:</b>								
O	Ongoing	Ongoing	Flood	9,12	Public Works	\$1,000,000; Medium	General revenue, FEMA grants, MWRD-Phase-II	Short-term
<b>Action R7.5</b> —Spillway Rebuild								
<b>Status Description:</b>								
C	Completed	Completed	Flood, Dam Failure	9,12	Public Works	\$225,000; Medium	General revenue, FEMA grants, MWRD-Phase-II	Removed
<b>Action R7.6</b> —Stormwater Improvements - North Industrial								
<b>Status Description:</b>								
O	Ongoing	Ongoing	Flood	9,12	Public Works	\$225,000; Medium	General revenue, FEMA grants, MWRD-Phase-II	Long-term
<b>Action R7.7</b> —Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses								
<b>Status Description:</b>								
R	Remove	Remove	All	7, 13	Village	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
<b>Action R7.8</b> —Continue to support the countywide actions identified in this plan.								
<b>Status Description:</b>								
O	Ongoing	Ongoing	All	All	Village	Low	General Fund	Short- and long-term
<b>Action R7.9</b> —Actively participate in the plan maintenance strategy identified in this plan.								
<b>Status Description:</b>								
O	Ongoing	Ongoing	All	3, 4, 6	DHSEM, Village	Low	General Fund	Short-term
<b>Action R7.10</b> —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.								
<b>Status Description:</b>								
O	Ongoing	Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village	Low	General Fund	Long-term

<b>Action R7.11</b> —Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.								
<b>Status Description:</b>								
O	Ongoing	Ongoing	Flooding	4, 6, 9	Community Development	Low	General Fund	Short-term and ongoing
<b>Action R7.12</b> —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								
<b>Status Description:</b>								
O	Ongoing	Ongoing	All	3, 4, 6, 10, 13	Community Development	Low	General Fund	Short-term
<b>Action R7.13</b> —Address erosion problem with stormwater detention pond at Saratoga and Autumn Chase Condos.								
<b>Status Description:</b>								
O	Ongoing	Ongoing	Flood	9, 13	Rolling Meadows	Medium	Private/Other	Unknown
<b>Action R7.14</b> —Planning and engineering for emergency standby power supplies for critical infrastructure.								
<b>Status Description:</b>								
O	Ongoing	NA	Most Hazards		Rolling Meadows	Medium; \$750,000	Grants	2024
<b>Action R7.15</b> —Park Street Drainage Project								
<b>Status Description:</b>								
-	New	Ongoing	Flood	1, 2, 3, 4, ,5 ,6	City of Rolling Meadows	\$1,500,000	Grants	2025
<b>Action R7.16</b> — System Hardening								
<b>Status Description:</b>								
New	-	O		2, 3	City of Rolling Meadows	-	Grants	2025
a. Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.								

**Mitigation Success Stories:** The City has completed the spillway at Kennedy Brothers Pond to reduce the amount of water flow into the creek as well as mitigate the amount of water that caused flooding in surrounding areas. The City has also completed upgrades to our outdoor warning systems to be utilized in emergency situations.

**Future Needs:** The City would like to receive further training to better understand the mitigation grant application process, as well as the studies that may be needed to better understand hazards/risks, etc.

## 6.1 Action R7.14

<b>Mitigation Action</b>	Planning and engineering for emergency standby power supplies for critical infrastructure.
<b>Year Initiated</b>	2020
<b>Applicable Jurisdiction</b>	City of Rolling Meadows
<b>Lead Agency/Organization</b>	City of Rolling Meadows
<b>Supporting Agencies/Organizations</b>	MWRD, JAWA, RM Park District
<b>Applicable Goal</b>	<ul style="list-style-type: none"> <li>• Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects.</li> <li>• Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards.</li> <li>• Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.</li> <li>• Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards.</li> <li>• Develop, promote, and integrate mitigation action plans.</li> <li>• Promote public understanding of and support for hazard mitigation.</li> </ul>
<b>Potential Funding Source</b>	Grants
<b>Estimated Cost</b>	\$750,000
<b>Benefits (loss avoided)</b>	Prevent flooding of personal and public properties, increase ability of the City to continue to provide sustainable, potable water supply.
<b>Projected Completion Date</b>	2023
<b>Priority and Level of Importance (Low, Medium, High)</b>	High Priority
<b>Benefit Analysis (Low, Medium, High)</b>	High—Project will provide an immediate reduction of risk exposure for life and property.
<b>Cost Analysis (Low, Medium, High)</b>	Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
<b>Actual Completion Date</b>	

### Recommended Mitigation Action/Implementation Plan and Project Description

<b>Action/Implementation Plan and Project Description:</b>	Identify, design and engineer emergency back-up power supply capability for sewer lift stations, potable water pump stations and Public Work services garage to ensure sustainable services to the residents and businesses of Rolling Meadows during times of long-term power loss. Search out and identify potential grant opportunities to assist w/funding.
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### Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020	New	
2021		
2022		
2023		

**Mitigated Hazards**

<b>All Hazards</b>	
	Dam/Levee Failure
	Drought
X	Earthquake
X	Flood
X	Extreme Heat
X	Lightning
	Hail
	Fog
X	High Wind
X	Snow
X	Blizzard
X	Extreme Cold
X	Ice Storms
X	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
X	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

## 6.2 Action R7.15

<b>Mitigation Action</b>	Park Street Drainage Project
<b>Year Initiated</b>	2020
<b>Applicable Jurisdiction</b>	City of Rolling Meadows
<b>Lead Agency/Organization</b>	City of Rolling Meadows
<b>Supporting Agencies/Organizations</b>	State / MWRD
<b>Applicable Goal</b>	<ul style="list-style-type: none"> <li>• Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects.</li> <li>• Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards.</li> <li>• Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.</li> <li>• Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards.</li> <li>• Develop, promote, and integrate mitigation action plans.</li> <li>• Promote public understanding of and support for hazard mitigation.</li> </ul>
<b>Potential Funding Source</b>	Grants
<b>Estimated Cost</b>	\$1,500,000
<b>Benefits (loss avoided)</b>	It will mitigate drainage problems within the Park Street area.
<b>Projected Completion Date</b>	2025
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium Priority
<b>Benefit Analysis (Low, Medium, High)</b>	Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.
<b>Cost Analysis (Low, Medium, High)</b>	High—Existing funding will not cover the cost of the project; implementation would require new revenue through an alternative source (for example, bonds, grants, and fee increases).
<b>Actual Completion Date</b>	-

### Recommended Mitigation Action/Implementation Plan and Project Description

<b>Action/Implementation Plan and Project Description:</b>	The City of Rolling Meadows in partnership with Baxter & Woodman Engineering are working to enhance our storm water drainage system improvements on Park Street to help the residents eliminate standing water and storm water runoff issues. The City has secured a grant from the State to financially assist with the program. We are also currently working with MWRD on a Green Infrastructure Grant opportunity (GIGO) program to provide a bio-swale to assist in the natural cleaning of the storm runoff water before reaching the watershed/ Salt Creek. Currently Baxter and Woodman is in the design stages of this project with final construction and engineering being completed in 2025.
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### Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020		
2021	New	
2022		
2023		

**Mitigated Hazards**

<b>All Hazards</b>	
	Dam/Levee Failure
	Drought
	Earthquake
X	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

### 6.3 Action R7.16

<b>Mitigation Action</b>	System Hardening
<b>Year Initiated</b>	2021
<b>Applicable Jurisdiction</b>	City of Rolling Meadows
<b>Lead Agency/Organization</b>	City of Rolling Meadows
<b>Supporting Agencies/Organizations</b>	-
<b>Applicable Goal</b>	<ul style="list-style-type: none"> <li>• Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards.</li> <li>• Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.</li> </ul>
<b>Potential Funding Source</b>	Grants
<b>Estimated Cost</b>	-
<b>Benefits (loss avoided)</b>	This will allow for the City and emergency services to increase redundancies and reduce vulnerability.
<b>Projected Completion Date</b>	2025
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium Priority
<b>Benefit Analysis (Low, Medium, High)</b>	Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.
<b>Cost Analysis (Low, Medium, High)</b>	Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
<b>Actual Completion Date</b>	-

#### Recommended Mitigation Action/Implementation Plan and Project Description

<b>Action/Implementation Plan and Project Description:</b>	System hardening for the Fire, Police, Public Works, and City Hall. This process would assist in reducing IT vulnerability within the City.
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#### Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020		
2021	New	
2022		
2023		



**Mitigated Hazards**

	<b>All Hazards</b>
	Dam/Levee Failure
	Drought
	Earthquake
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
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	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident