

6 Park Forest 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: Around six inches of flowing water was reported on downtown streets of Park Forest.

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:

In August 2020 - a derecho storm/EF-0 tornado passed through the Village. There was tree damage village wide and significant tree and property damage in particular areas of where the storm/tornado passed.

In 2021 - there were NO natural hazard events that occurred in the Village of Park Forest from January 1, 2021 to November 5, 2021.

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

Please submit [here](#)

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?

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX

Completion status legend:
N = New **O** = Action Ongoing toward Completion
C = Project Completed **R** = Want Removed from Annex **X** = No Action Taken

2021 Status	2020 Status	2019 Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
Action P1.1 —Enhance stormwater infrastructure and conduct capacity assessment.								
Status Description:								
O	Local funds have been identified.	New	Flood	1,2,3,4,10,12	DPW	\$250,000;High	No local funding has been identified	12 months post award
Action P1.2 —Entered into an engineering services agreement with a consultant to design storm water management improvements in Thorn Creek Estates area of Village.								
Status Description:								
O - Final construction plans were completed. Bid Opening is scheduled for Nov. 16, 2021	New		Flood		Village of Park Forest	\$29,084	Local Funds	This Phase of project will be completed upon contract award.
Action P1.3 —Replaced some storm sewer infrastructure along Winona St and added storm sewer infrastructure along Birch St.								
Status Description:								
N	-	-	Flood		Village of Park Forest	\$116,775	Local Funds	2019
Action P1.4 —Construction of storm water management improvements in Thorn Creek Estates area of Village.								
Status Description:								
N	-	-	Flood	3	Village of Park Forest	\$319,000	Local Funds	2022
Action P1.5 —Purchase equipment that can aid in natural hazard response and/or mitigation.								
Status Description:								
N	-	-	Flood, Lightning, High Wind, Snow, Blizzard, Ice Storms. Tornado, Epidemic / Pandemic, Widespread Power Outage, Hazardous Material Incident`	2, 3	Village of Park Forest	Varies	Local and Grant Funds	Ongoing
Action P1.6 —Make storm water management improvements (as needed) in conjunction with road improvement projects.								
Status Description:								
N	-	-	Flood	2, 3	Village of Park Forest	Varies	Local and Grant Funding	Ongoing
(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: Examples of mitigation success stories include, but are not limited to: received a Grant, completed a major mitigation project, etc.

Public Works completed Action P1.3. The intention is to improve local storm water management, drainage, and conveyance along public streets. Public Works completed Design Engineering for Action P1.2 and is planning for a bid opening on Nov. 16, 2021. Construction is expected to begin and be completed in 2022. The village purchased 3 UV blue lights to help combat COVID 19. The UV lamps were used in village ambulances and office spaces. The Fire Dept. purchased a zodiac boat and ice rescue suits for water rescues. The Fire Dept. purchased a 4X4 ambulance which enables response through various terrain. Public Works replaced and added storm sewer infrastructure along Well St. The intention is to improve local storm sewer water management, drainage, and conveyance along public streets.

Future Needs: Examples of future needs include, but are not limited to: receiving training to better understand the mitigation grant application process, studies that may be needed to better understand hazards/risks, etc.

Future needs include additional funding and grants to continue to complete storm water management projects.

6.1 Action P1.4

Mitigation Action	Construction of storm water management improvements in Thorn Creek Estates area of Village.
Year Initiated	2021
Applicable Jurisdiction	Village of Park Forest
Lead Agency/Organization	Village of Park Forest
Supporting Agencies/Organizations	-
Applicable Goal	<ul style="list-style-type: none"> Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.
Potential Funding Source	Local funds
Estimated Cost	\$319,000
Benefits (loss avoided)	Improve stormwater conveyance and improve structural integrity of storm sewer to avoid flooding in this area.
Projected Completion Date	2022
Priority and Level of Importance (Low, Medium, High)	High Priority
Benefit Analysis (Low, Medium, High)	High—Project will provide an immediate reduction of risk exposure for life and property.
Cost Analysis (Low, Medium, High)	Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.
Actual Completion Date	-

Recommended Mitigation Action/Implementation Plan and Project Description

Action/Implementation Plan and Project Description:	An original, 36 inch storm sewer that drains a nearby forest preserve will have an additional 48 inch storm sewer pipe installed. This improvement will continue to convey forest preserve run off/flow through an adjacent subdivision to Thorn Creek.
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Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020		
2021	New	
2022		
2023		

Mitigated Hazards

	All Hazards
	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

6.2 Action P1.5

Mitigation Action	Purchase equipment that can aid in natural hazard response and/or mitigation.
Year Initiated	2021
Applicable Jurisdiction	Village of Park Forest
Lead Agency/Organization	Village of Park Forest
Supporting Agencies/Organizations	-
Applicable Goal	<ul style="list-style-type: none"> Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.
Potential Funding Source	Local and Grant funds
Estimated Cost	Varies
Benefits (loss avoided)	Proper equipment and tools will help in responding to and/or mitigating natural hazards or disasters.
Projected Completion Date	Ongoing
Priority and Level of Importance (Low, Medium, High)	High Priority
Benefit Analysis (Low, Medium, High)	Low—Long-term benefits of the project are difficult to quantify in the short term.
Cost Analysis (Low, Medium, High)	Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.
Actual Completion Date	-

Recommended Mitigation Action/Implementation Plan and Project Description

Action/Implementation Plan and Project Description:	The Village routinely replaces and/or purchases vehicles, equipment and tools. Vehicle and equipment purchases are part to the Village's ongoing 5 year Capital Plan. Vehicles, equipment and tools will aid in performing hazard mitigation work and/or responding to natural hazards.
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Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020		
2021	New	
2022		
2023		

Mitigated Hazards

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

6.3 Action P1.6

Mitigation Action	Make storm water management improvements (as needed) in conjunction with road improvement projects.
Year Initiated	2021
Applicable Jurisdiction	Village of Park Forest
Lead Agency/Organization	Village of Park Forest
Supporting Agencies/Organizations	-
Applicable Goal	<ul style="list-style-type: none"> • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.
Potential Funding Source	Local and Grant funding
Estimated Cost	Varies
Benefits (loss avoided)	This will improve storm water management and maintain existing infrastructure in an effort to reduce flood hazards.
Projected Completion Date	Ongoing
Priority and Level of Importance (Low, Medium, High)	High Priority
Benefit Analysis (Low, Medium, High)	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.
Cost Analysis (Low, Medium, High)	Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.
Actual Completion Date	-

Recommended Mitigation Action/Implementation Plan and Project Description

Action/Implementation Plan and Project Description:	During road improvement projects, additional storm sewer infrastructure will be installed and/or existing infrastructure will be replaced/repaired.
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Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020		
2021	New	
2022		
2023		

Mitigated Hazards

	All Hazards
	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