

6 Willow Springs 2021 MJ-HMP Jurisdictional Annual Report

Primary Point of Contact

Melissa Neddermeyer, Mayor
1 Village Cir
Willow Springs, IL 60480
708-467-3709
mneddermeyer@willowsprings-il.gov

Alternate Point of Contact

Jim Ritz, Chief of Police
8255 Willow Springs Rd
Willow Springs, IL 60480
708-839-3037
jritz@willowsprings-il.gov

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.

Flooding: There are risks to resident properties from flood damage. December 18, 2017 A Willow Springs family's home has flooded dozens of times in the past few years, and they blame the Illinois Tollway and a railroad with nearby property.

Severe Storms: Severe thunderstorms developed over northeast Illinois during the afternoon on October 2nd, 2006. These thunderstorms caused significant wind damage across parts of the Chicago Metro Area. A second line of thunderstorms formed across far northern Illinois during the evening hours of October 2nd, and moved south across eastern Illinois during the late evening and early morning hours of October 3rd. Wind damage was widespread across all areas the thunderstorms affected.

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: A tornado occurred on Sunday June 20, 2021 and impacted Willow Springs and caused damage to property.

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 W4.1 —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.								
Status Description:								
-	-	Completed	All	7, 13	Village of Willow Springs	High	FEMA Hazard Mitigation Grants	Completed
Action W4.2 —Continue to support the countywide actions identified in this plan.								
Status Description:								
Ongoing		Ongoing	All	All	Village of Willow Springs	Low	General Fund	Short- and long-term
Action W4.3 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description:								
Ongoing		Ongoing	All	3, 4, 6	DHSEM, Village of Willow Springs	Low	General Fund	Short-term
Action W4.4 —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.								
Status Description:								
-	-	Removed	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village of Willow Springs	Low	General Fund	Removed
Action W4.5 —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.								
Status Description:								
Ongoing		Ongoing	Flooding	4, 6, 9	Village of Willow Springs	Low	General Fund	Short-term and ongoing
Action W4.6 —Where feasible, implement a program to record high water marks following high-water events.								
Status Description:								
Ongoing		Ongoing	Flooding, Severe Weather	3, 6, 9	Village of Willow Springs	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action W4.7 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment								
Status Description:								
Ongoing		Ongoing	All	3, 4, 6, 10, 13	Building Consultant	Low	General Fund	Short-term
Action W4.8 —Reduce/Eliminate flooding in residential neighborhood located on and around Prospect/Cliff & Beech								
Status Description:								
Completed		New	Flood	3, 9, 12	TBD	\$20,000; Low	Local Funds	2019
Action W4.9 —Reduce flooding in residential neighborhood (Rosmere Court area)								
Status Description:								
New	-	-	Flood	2	Village of Willow Springs	Low	Local Funds	2021
Action W4.10 —Reduce/eliminate flooding in residential and school area (School Street)								
Status Description:								
New	-	-	Flood	2, 3	Village of Willow Springs	Low	Local Funds	2021

(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: Action projects at Prospect Street area, Rosmere Court area, and School Street area have been high benefit projects that have immediately reduced flood loss to the properties in the area.

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.

6.1 Action W4.9

Mitigation Action	Reduce flooding in residential neighborhood (Rosmere Court area)
Year Initiated	2021
Applicable Jurisdiction	Village of Willow Springs
Lead Agency/Organization	Village of Willow Springs
Supporting Agencies/Organizations	Village of Willow Springs
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.
Potential Funding Source	Local Funds
Estimated Cost	Low
Benefits (loss avoided)	loss avoided
Projected Completion Date	2021
Priority and Level of Importance (Low, Medium, High)	Medium 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:	Reduce flooding in residential area (Rosmere Court area)
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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 W4.10

Mitigation Action	Reduce/eliminate flooding in residential and school area (School Street)
Year Initiated	2021
Applicable Jurisdiction	Village of Willow Springs
Lead Agency/Organization	Village of Willow Springs
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
Estimated Cost	Low
Benefits (loss avoided)	loss avoided
Projected Completion Date	2021
Priority and Level of Importance (Low, Medium, High)	Medium 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:	Reduce/eliminate flooding to residential and school area (School Street)
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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