

6 Skokie 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: The Village of Skokie has two key roads that are prone to flooding: Skokie Blvd (Highway 41) viaduct South of Oakton Street and McCormick Blvd. (mostly South of Howard St). Also, despite maintaining existing flood control systems, we experience flooding at Devonshire Park, Touhy Ave, and areas south of Touhy.

Extreme Heat: These events have caused elderly housing facilities and existing shelters (cooling centers) to lose power and emergency power is needed to maintain acceptable conditions.

High Winds: We have experienced outages at elderly housing facilities and existing shelters without emergency power. Our community has predominately overhead power lines that are subject to power outages.

Extreme Cold: We have experienced outages at elderly housing facilities and emergency shelters (warming centers) without emergency power, leading the facilities to be unable to maintain acceptable conditions. Previously, during extreme cold events, our shallow water mains have been susceptible to freezing (e.g. Oakton St. east of Crawford during the 2019 Polar Vortex).

Ice Storms: Similar to the impacts of high winds, our Village's predominately overhead power lines are vulnerable to ice damage.

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:

On August 9th & 10th, 2021, the Village of Skokie experienced a sustained high-wind event that caused significant damage to the community with downed trees, branches, and power lines, and damage to private property.

- The Fire Department responded to over 50 storm related incidents ranging from trees/branches on structures to arcing power lines.
- Public Works crews were called in to cut and remove downed trees and clear roadways and handled 343 requests for service: 210 - Downed Limb/Tree, 59 - Hanging Branches, 41 Inspections, and 45 Trees were removed or marked due to the storm.
- The Police Department processed 12 related accident reports.
- 6 Liability claims were submitted to the Village Risk Manager.
- Commonwealth Edison had approximately 2,411 customers without power. Several areas of the community were impacted for several days. After 48 hours, 101 customers remained without power and all power was restored by Friday, August 13th.

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

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 S4.1 —Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structural damage. Give priority to properties with exposure to repetitive losses.								
Status Description:								
O	Ongoing	Ongoing	All	7, 13	Village of Skokie	High	FEMA Hazard Mitigation Grants	Long-Term (depending on funding)
Action S4.2 —Continue to support the countywide actions identified in this plan.								
Status Description:								
O	Ongoing	Ongoing	All	All	Village of Skokie	Low	General Fund	Short- and Long-term
Action S4.3 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description:								
O	Ongoing	Ongoing	All	3,4,6	DHSEM Village of Skokie	Low	General Fund	Short-Term
Action S4.4 —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.								
Status Description:								
2021: Continued participation in Tree City program thru 2021								
O	Ongoing	Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village of Skokie	Low	General Fund	Long-term
Action S4.5 —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. This would include resolving compliance issues identified by IDNR during the 8/22/2012 CAV.								
Status Description:								
O	Ongoing	Ongoing	Flooding	4, 6, 9	Village of Skokie	Low	General Fund	Short-term and ongoing
Action S4.6 —Where feasible, implement a program to record high water marks following high-water events.								
Status Description:								
O	Ongoing	Ongoing	Flooding, Severe Weather	3, 6, 9	Village of Skokie	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action S4.7 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								
Status Description:								
2021: Flood control systems are incorporated into several upcoming road reconstruction projects: Gross Point Road, Dempster/Niles Center Intersection and Old Orchard Road. Private development is also subject to MWRD and Village of Skokie stormwater control requirements.								
O	Ongoing	Completed	All	3, 4, 6, 10, 13	Community Development	Low	General Fund	Completed

Action S4.8 —Actively pursue the installation of an emergency generator to support the shelter at Skokie Park District – Weber Center.								
Status Description:								
O	Ongoing	Ongoing	All	1, 2	Village of Skokie	\$250,000; High	General Fund, CIP, FEMA Grants	Short-term
Action S4.9 —Sewer system improvements, professional engineering services to supplement the engineering division for programmed multiter combined sewer system improvements. This is an annual expenditure with \$1,000,000 for sewer rehabilitation and the balance used for engineering services and sewer infrastructure videoing.								
Status Description:								
O	Ongoing	Ongoing	Urban Flooding, Severe Weather	1, 2	Village of Skokie	\$850,000; High	General Fund, CIP, FEMA Grants	Long-term
Action S4.10 —Analyze and mitigate specific flood control system issues including basement backups and serious overland flooding cases toward reasonable solutions through system redesign if necessary.								
Status Description:								
O	Ongoing	Ongoing	Urban Flooding, Severe Weather	1, 2, 9	Village of Skokie	\$45,000; Medium	General Fund	Long-term
Action S4.11 —Flood control efforts include remediation and repair work on the Gabion Pond – Oakton and Skokie Blvd.								
Status Description:								
-	No Action Required	Completed	Urban Flooding, Severe Weather	1, 2, 9	Village of Skokie	\$650,000; High	General Fund, MDWR Phase II	Completed
Action S4.12 —Actively pursue the installation of a generator to support the use of a shelter at North Shore Center for Performing Arts, Village of Skokie								
Status Description:								
O	Ongoing	New	Flood, Extreme Heat, Lightning, Hail, High Wind, Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Widespread Power Outage, Secondary Impacts from Mass Influx of Evacuees	12	Village of Skokie	\$180,000; High	Grants, Local Funds	2021
Action S4.13 —Install Devonshire Park Rain Garden & Naturalized Detention Basin at the Skokie Police Headquarters								
Status Description:								
-	Completed	New	Flood	13	MWRD	\$500,000; High	MWRD	Unknown
Action S4.14 —Implement Flood Project at the Evanston/Skokie School District 65 GI at Orrington Elementary School								
Status Description:								
2020: Action Item S4.14 should be eliminated from the Skokie MJ-HMP as it pertains to Evanston's jurisdiction								
R	Not Applicable	New	Flood	2	MWRD	Unknown	MWRD	Unknown
Action S4.15 —Green Alley Project - Water Retention								
Status Description:								
2021: The project was unable to move forward in 2021 but will hopefully be completed in 2022.								
O	New		Flood		MWRD of Cook County	\$580,000	MWRD	2022
Action S4.16 —The Village of Skokie established a Stormwater Task Force comprised of residents and Public Works Staff to identify potential flood control modifications and enhancements.								

Status Description:

2021: The Village of Skokie hired an engineering consultant to create a Stormwater Master Plan to highlight sewer improvements that would increase capacity and reduce adverse events.

O	New		Flood		Village of Skokie Public Works/ Engineering	\$400,000	Village of Skokie Capital Improvement Program	2022
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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.

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 S4.15

Mitigation Action	Green Alley Project - Water Retention
Year Initiated	2020
Applicable Jurisdiction	Village of Skokie
Lead Agency/Organization	Metropolitan Water Reclamation District of Cook County
Supporting Agencies/Organizations	Village of Skokie and IEMA
Applicable Goal	<ul style="list-style-type: none"> • Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects. • 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. • Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards. • Develop, promote, and integrate mitigation action plans. • Promote public understanding of and support for hazard mitigation.
Potential Funding Source	MWRD Grant Funds and Village of Skokie CIP
Estimated Cost	\$580,000
Benefits (loss avoided)	Provides water retention, eases demands on storm drain capacity, and buffers storm surge for MWRD
Projected Completion Date	2021
Priority and Level of Importance (Low, Medium, High)	Medium 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)	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.
Actual Completion Date	

Recommended Mitigation Action/Implementation Plan and Project Description

Action/Implementation Plan and Project Description:	Recurring program to promote storm water retention with the Green Alley Project, funded through Metropolitan Water Reclamation District, IEMA Grants, and Village of Skokie CIP Budget.
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Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020	New	
2021		
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 S4.16

Mitigation Action	The Village of Skokie established a Stormwater Task Force comprised of residents and Public Works Staff to identify potential flood control modifications and enhancements.
Year Initiated	2020
Applicable Jurisdiction	Village of Skokie
Lead Agency/Organization	Village of Skokie Public Works/Engineering
Supporting Agencies/Organizations	Engineering Firm Consultant
Applicable Goal	<ul style="list-style-type: none"> • Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects. • 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. • Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards. • Develop, promote, and integrate mitigation action plans. • Promote public understanding of and support for hazard mitigation.
Potential Funding Source	Village of Skokie Capital Improvement Program
Estimated Cost	\$400,000
Benefits (loss avoided)	Identify recurring flood issues and mitigation plans that can be incorporated into the HMP
Projected Completion Date	2022
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:	The Village of Skokie established the Stormwater Task Force in 2020 to better identify recurring flood damage/hazards and mitigation strategies. To provide support and professional engineering consulting, the Village budgeted funds in the Capital Improvement Program.
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Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020	New	
2021		
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