

# 6 Niles 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.

**Dam/Levee Failure:** White Eagle Development has the potential to experience dam failure, as well as multiple locations on the northern branch of the Chicago River and Prairie Farmer Creek. These areas have also suffered from critical slope erosion.

**Flood:** We have experienced urban flooding in the following locations: Dutchmans Point, Ionquil Terrace, Oasis Grennan Heights, Evergreen Estates, Oakton Manor, Ransom Ridge, Chesterfield Gardens, Oak Park, Washington Park, Ballard Terrace, Courtland Park, and Golden Forties. In addition to these urban flooding-prone areas, we have experienced river flooding at River Gardens.

**Extreme Heat:** Our jurisdiction is particularly susceptible to extreme heat. Under extended periods of time, extreme heat can cause power outages. Considering that most of the high rise complexes in our area both do not have generators and are largely inhabited by older residents, this hazard's impact could be elevated.

**Lightning:** We have had our Village's communications struck out numerous times as a result of lightning.

**High Winds:** Previously, we have experienced high winds that have knocked down light poles.

**Ice Storms:** Similar to the jurisdiction-specific risks extreme heat poses to the Village, our community high rise has lost power due to winds. Since we do not have a generator as a backup, this hazard leaves our community with little recourse.

**Natural Hazard Events in 2021: The Village has experienced severe weather events in 2021. Over the summer there was a wind and rain storm which caused numerous down trees. This required the recall of Public Works employees to open streets being blocked by trees, as well as, the removal of debris.**

**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: [Type Here]

## 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)
<b>Action N1.1</b> —Support Tier-1 Stormwater Relief Program projects (storm sewer and retention basin enhancements)								
<b>Status Description:</b>								
<b>2020: No Change</b>								
-	-	Completed	Flood	1, 2, 9, 11, 12, 13	Village	\$32,000,000	Sales Tax, Grants	Completed
<b>Action N1.2</b> —Flood Control Assistance Program (sewer backflow protection and overland flood protection)								
<b>Status Description:</b>								
<b>2020: No Change - Program is ongoing</b>								
O		Ongoing	Flood	11, 12, 13	Village	\$300,000	Sales Tax, Grants	Ongoing
<b>Action N1.3</b> —Where appropriate, support retrofitting, purchase, or relocation of structures located in hazard- prone areas to protect structures from future damage. Consider properties with exposure to repetitive losses as a priority.								
<b>Status Description:</b>								
<b>2020: Ongoing</b>								
O		Ongoing	Flood	11, 12, 13	Village	Unknown	Grants/Gen. Revenue	As funding becomes available
<b>Action N1.4</b> —Update the municipality's emergency operations center.								
<b>Status Description:</b>								
<b>2021: An update plan was submitted for review.</b>								
O		Ongoing	Multi-Hazard	1, 2, 8	Village	Unknown	General Revenue	As funding becomes available
<b>Action N1.5</b> —Educate the public about regional hazards.								
<b>Status Description:</b>								
<b>2021: The department is extremely active in educating the general public utilizing various mediums.</b>								
O		Ongoing	Multi-Hazard	1, 2, 5, 6, 8, 13	Village	\$80,000	General Revenue	As funding becomes available
<b>Action N1.6</b> —Promote the use of NOAA "All Hazards" radios for early warning and post event information.								
<b>Status Description:</b>								
<b>2021: The Fire Department reviews the importance of monitoring the weather, and the location (media) to receive the current information.</b>								
O		Ongoing	Multi-Hazard	1, 2, 5, 6, 8, 13	Village	Unknown	General Revenue	As funding becomes available
<b>Action N1.7</b> —Continue to organize and train a Community Emergency Response Team								
<b>Status Description:</b>								
<b>2021: The Fire Department was unable to hoist a training academy because of the pandemic.</b>								
O		Ongoing	Multi-Hazard	1, 2, 5, 6, 8, 13	Village	Unknown	General Revenue	As funding becomes available
<b>Action N1.8</b> —The Nile Fire Department is educating local schools and businesses on the "Stop the Bleed" initiative and fire extinguisher use.								
<b>Status Description:</b>								
<b>2021: Some schools were reeducated on this program, but again the pandemic restricted our progress.</b>								

O		Ongoing	All	7, 13	Village	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
<b>Action N1.9</b> —Continue to support the countywide actions identified in this plan.								
<b>Status Description:</b>								
<b>2021: We actively support this plan and will continue to do so in the coming year.</b>								
O		Ongoing	All	All	Village	Low	General Fund	Short- and long-term
<b>Action N1.10</b> —Actively participate in the plan maintenance strategy identified in this plan.								
<b>Status Description:</b>								
<b>2021: The Village of Niles will continue to make strive to make progress in this plan.</b>								
O		Ongoing	All	3, 4, 6	DHSEM, Village	Low	General Fund	Short-term
<b>Action N1.11</b> —Continue to maintain/enhance Village's classification under the Community Rating System (CRS).								
<b>Status Description:</b>								
O		Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village	Low	General Fund	Long-term
<b>Action N1.12</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>								
<b>2020: No change - Ongoing</b>								
O		Ongoing	Flooding	4, 6, 9	Engineering	Low	General Fund	Short-term and ongoing
<b>Action N1.13</b> —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								
<b>Status Description:</b>								
<b>2020: No change - Ongoing</b>								
O		Ongoing	All	3, 4, 6, 10, 13	Village	Low	General Fund	Short-term
<b>Action N1.14</b> —Construct/replace Howard Street sewer outfall with larger capacity pipe to reduce flooding.								
<b>Status Description:</b>								
<b>2020: Change in Status: Outfall Complete. Improvements to upstream storm sewer system added to 5-year Capital plan</b>								
C		New	Flood	2, 7, 13	Niles	<\$800,000; High	Water Fund	October 2019
<b>Action N1.15</b> —Improve 5 year tree trimming cycle to reduce damage caused by falling limbs which cause power outage, blocking streets, and damaging resident property (cars and homes).								
<b>Status Description:</b>								
O	<a href="#">Save &amp; Close</a>	New	High Wind, Ice Storms, Widespread Power Outage	2, 13	Niles	\$80,000; Medium	Grants and Public Funds	<5 year cycles
<b>Action N1.16</b> —Design and construct Golf Mill Park stormwater conveyance project to reduce flooding.								
<b>Status Description:</b>								
<b>2020: Status Change - Ongoing Project Slated for 2021 Construction</b>								
O		New	Flood	2, 7, 13	Niles	\$8,500,000; High		December 2020
<b>Action N1.17</b> —Improve Stormwater Storage Areas in Niles								
<b>Status Description:</b>								
<b>2020: Status Change - ongoing</b>								
O		New	Flood	2, 7, 13	MWRD	\$8,838,000; High	MWRD	Short Term
<b>Action N1.18</b> —Implement 2018 Stormwater Management Plan Update								
<b>Status Description:</b>								
<b>2020: Ongoing</b>								

O	Ongoing	New	Flood	1, 2, 3	Village of Niles	\$88.9 million; High	Grants and Local Funds	Long Term; 2070
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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 N1.18

<b>Mitigation Action</b>	Implement 2018 Stormwater Management Plan Update
<b>Year Initiated</b>	2019
<b>Applicable Jurisdiction</b>	Village of Niles
<b>Lead Agency/Organization</b>	Village of Niles
<b>Supporting Agencies/Organizations</b>	Village of Niles
<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> </ul>
<b>Potential Funding Source</b>	Grants and Local Funds
<b>Estimated Cost</b>	\$88.9 million
<b>Benefits (loss avoided)</b>	Implementation of the improvements detailed in the SMP will reduce flooding throughout the Village.
<b>Projected Completion Date</b>	2070
<b>Priority and Level of Importance (Low, Medium, High)</b>	Medium 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>	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>	Refer to the 2018 Stormwater Management Plan update for detailed description of proposed capital projects. Plan includes 24 projects at a total cost of \$88.9 in 2018 dollars.
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### Mitigation Action and Project Maintenance

Year	Status	Comments
2019	New	
2020		
2021		
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