

6 Hazel Crest 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: Flooding occurs as a result of heavy rain in Pot Hills and Twin Creeks (these areas are East of Kedzie 178th -190th). In addition, the Village's over 100-year-old water mains could contribute to major flooding due to any kind of shift in-ground or eruption.

High Winds: In the case of high winds, the Village will determine what trees and damage materials are needed for disposal.

Extreme Cold: The Village is susceptible to flooding as a result of extreme cold, in that the temperature could cause water main breaks.

Extreme Heat: June 15th 2018 - Highs could push past 95 degrees, residents who do not have access to air conditioning, are encouraged to utilize cooling centers open throughout Cook County.

Severe Weather: July 13th 2016 - A well-organized complex of thunderstorms progressed from west to east across northern Illinois and northwest Indiana, bringing scattered wind damage to mainly areas along and south of the I-80 corridor. Some of the more pronounced wind damage occurred in Kankakee County based on reports. In addition, heavy rainfall occurred causing patchy minor flooding. Large tree over one foot in diameter downed.

Widespread Power Outage: Hazel Crest assesses the need for identifying community shelters (generator(s), cots, blankets, and portable communication devices, i.e. radios.) in the event of a natural disaster.

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: [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)
Action H4.1 —Improve Stormwater drainage system capacity by cleaning and clearing existing ditches of debris and any other obstructions that would impede drainage.								
Status Description:								
ongoing		Ongoing	Flood, Severe Weather, Severe Winter Weather	1, 2, 9, 13	City of Hazel Crest	Low	IEPA, Grants	Ongoing
Action H4.2 —Protect infrastructure and critical facilities from damage by engineering and/or retrofitting facilities to withstand hazards.								
Status Description:								
ongoing		Ongoing	All	1, 2, 9, 13	City of Hazel Crest	High	General Revenue, Grant	Long-term
Action H4.3 —Improve stormwater drainage capacity by increasing the capacity of the City’s storm sewer drainage system.								
Status Description:								
ongoing		Ongoing	Flood, Severe Weather	1, 2, 9, 13	City of Hazel Crest	High	General Revenue, Grant	Long-term
Action H4.4 —Produce and distribute family and traveler emergency preparedness information about severe winter weather hazards.								
Status Description:								
ongoing		Ongoing	Severe Winter Weather	1, 5, 8	City of Hazel Crest	Low	General Revenue	Short-term
Action H4.5 —The televising and repairing of all sanitary sewer lines and the rehabilitation/sealing of all sanitary structures through-out the Village to eliminate infiltration and stop sewer backups.								
Status Description:								
ongoing		Ongoing	Flood, Severe Weather	1, 2, 9	City of Hazel Crest	High	General Revenue, Grant	Long-term
Action H4.6 —Participate in the Community Rating System.								
Status Description:								
ongoing		Ongoing	Flood	3, 4, 5, 6, 7, 9, 10, 11, 13	City of Hazel Crest	Low	General Revenue	Short-term
Action H4.7 —Develop and maintain a GIS database to track community vulnerability and exposure in known hazard areas.								
Status Description:								
ongoing		Ongoing	Multi-Hazard	1, 2, 5, 6	City of Hazel Crest	High	General Revenue	Short-term and Ongoing
Action H4.8 —Completing a stormwater drainage study for known problem areas.								
Status Description:								
ongoing		Ongoing	Flood, Severe Weather	3, 13	City of Hazel Crest	Medium	General Revenue, Grant	Short-term
Action H4.9 —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:								
ongoing		Ongoing	All	7, 13	City of Hazel Crest	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action H4.10 —Continue to support the county-wide actions identified in this plan.								
Status Description:								
ongoing		Ongoing	All	All	City of Hazel Crest	Low	General Fund	Short- and Long-term
Action H4.11 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description:								

ongoing		Ongoing	All	3, 4, 6	DHSEM, City of Hazel Crest	Low	General Fund	Short-term
Action H4.12 —Consider participation in incentive-based programs such as Tree City and StormReady.								
Status Description:								
ongoing		Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	City of Hazel Crest	Low	General Fund	Long-term
Action H4.13 —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	City of Hazel Crest	Low	General Fund	Short-term and Ongoing
Action H4.14 —Where feasible, implement a program to record high water marks following high-water events.								
Status Description:								
ongoing		Ongoing	Flooding, Severe Weather	3, 6, 9	City of Hazel Crest	Medium	General Fund: FEMA Grant Funds (Public Assistance)	Long-term
Action H4.15 —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	Engineering Consultant, Economic Development; Public Works	Low	General Fund	Short-term
Action H4.16 —Consider the development and implementation of a Capital Improvements Program (CIP) to increase the Village's regulatory, financial and technical capability to implement mitigation actions.								
Status Description:								
ongoing		Ongoing	All	1, 2, 7	Public Works	High	CIP component of General Fund (if implemented)	Long-term
Action H4.17 —Identify community shelters - generator(s), cots, blankets, and portable communication devices, i.e. radios.								
Status Description:								
ongoing		New	Extreme Heat, Extreme Cold, Widespread Power Outage	2, 6, 12	Fire Department	High	TBD	TBD
Action H4.18 —Aggressively start replacing sewer lines in phases over a four year period to help prevent further sanitary sewer backup in residents' homes. Start replacing water mains and lines in phases as well.								
Status Description:								
ongoing		ongoing	Flood, High Wind, Snow, Extreme Cold	9	TBD	High	TBD	TBD
Action H4.19 —Replacing water main lines on Maple Ave and 177th Street.								
Status Description:								
ongoing		New	Flood	9	Hazelcrest	1.2 million; High	Army Core	June 2020
Action H4.20 —Village Flooding Replacement of Storm and Sanitary Lines in Flooding Area.								
Status Description:								
ongoing		New	Flood	1, 2, 3, 7	Village of Hazel Crest	4 million; High	Village	TBD
Action H4.20 —Repair culverts to prevent flooding and erosion								
Status Description:								

New	-	-	Flood, Snow, Extreme Heat, Extreme Cold, Ice Storms, Widespread Power Outage	1, 2, 3, 4, 5	Village of Hazel Crest	\$500.000	Grants and Local Funds	By the end of 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.

More education on the medication process and grant opportunity

6.1 Action H4.21

Mitigation Action	Repair culverts to prevent flooding and erosion
Year Initiated	2021
Applicable Jurisdiction	Village of Hazel Crest
Lead Agency/Organization	Village of hazel crest public works
Supporting Agencies/Organizations	Village of hazel crest public works
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	Grants and Local Funds
Estimated Cost	\$500,000
Benefits (loss avoided)	the benefits this will add is awareness to our community and an action plan as to what to do in case of an emergency to our
Projected Completion Date	By the end of 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)	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).
Actual Completion Date	-

Recommended Mitigation Action/Implementation Plan and Project Description

Action/Implementation Plan and Project Description:	We are implementing the Code Red system in our community as many other communities all ready has one. To notify the community in the case of any disasters via email or text or phone call. We are also lining sewer lines and replacing them on an on going basis to prevent further flooding and damage to properties
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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
X	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
X	Snow
	Blizzard
X	Extreme Cold
X	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
X	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident