

6 Chicago Heights 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: The City of Chicago Heights has experienced issues with the dam on Thorn Creek at 26th Street and Euclid.

Flood: Within the City, Thorn Creek in the Country Club neighborhood and Butterfield Creek in the Hamilton Wood neighborhoods are flood-prone. The poor condition of infrastructure causes a lot of residential flooding, requiring general creek maintenance.

Extreme Heat: The City's senior population is vulnerable to extreme heat events. Accordingly, Golden Towers Senior Living (1704-1706 East End Ave.) and the nursing home located at 490 W. 16th Place are specific areas that are at high risk of extreme heat impacts.

High Winds: Throughout the City's residential areas, there are a high number of very old trees that need either trimming or removal to prevent loss of life and property during high wind events.

Tornado: Tornado activity is increasing in the City's area.

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
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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 C4.1 —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:								
X		Ongoing	All	7, 13	City of Chicago Heights	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action C4.2 —Continue to support the countywide actions identified in this plan.								
Status Description:								
-	-	Removed	All	All	City of Chicago Heights	Low	General Fund	Removed
Action C4.3 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description:								
-	-	Complete	All	3, 4, 6	DHSEM, City of Chicago Heights	Low	General Fund	Completed
Action C4.4 —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.								
Status Description:								
O		Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 16	City of Chicago Heights	Low	General Fund	Long-term
Action C4.5 —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:								
O		Ongoing	Flooding	4, 6, 9	City of Chicago Heights	Low	General Fund	Short-term and Ongoing
Action C4.6 —Where feasible, implement a program to record high water marks following high-water events.								
Status Description:								
-	-	Completed	Flooding, Severe Weather	3, 6, 9	City of Chicago Heights	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Completed
Action C4.7 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								
Status Description:								
-	-	Completed	All	3, 4, 6, 10, 16	Planning and Zoning Department, Robinson Engineering	Low	General Fund	Completed
Action C4.8 —Continue storm sewer upgrades.								
Status Description:								
O		Ongoing	Flooding, Severe Weather	2, 9, 13	City of Chicago Heights	Low	General Fund	Ongoing
Action C4.9 —Water main repair and replacement.								
Status Description:								
O		Ongoing	Drought	1, 2	City of Chicago Heights	Low	General Fund	Ongoing
Action C4.10 —Reducing water loss from system.								
Status Description:								
O		Ongoing	Drought	1, 2	City of Chicago Heights	Low	General Fund	Ongoing
Action C4.11 —Purchased new early outdoor warning system control panel.								

Status Description:								
-	-	Completed	All	2, 5	City of Chicago Heights	Low	City EMA Fund	Completed
Action C4.12 —Develop CERT program.								
Status Description:								
-	-	Removed	All	6, 8	City of Chicago Heights	Low	City EMA Fund	Removed
Action C4.13 —Growth management Plan.								
Status Description:								
O		Ongoing	All	3, 4, 10	City of Chicago Heights	Low	Grant Funded	Ongoing
Action C4.14 —Westside Neighborhood Drainage Improvement Project.								
Status Description:								
O		New	Flood	9	Fire Department	\$6.5 Million; Medium	City General Revenue	2020/2021
Action C4.15 —Completed outdoor warning siren project (purchased 4 new warning sirens and new computer (2) control centers).								
Status Description:								
-	-	Completed	Flood, Lightning, Hail, High Wind, Ice Storms, Tornado, Widespread Power Outage	5	Fire Department	\$112,000.00; Low	City general	Completed
Action C4.16 —Public Alert Notification								
Status Description:								
N	-	-	Flood	2, 3	Chicago OEMC	No additional Cost	UASI	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: Examples of mitigation success stories include, but are not limited to: received a Grant, completed a major mitigation project, etc.

- 1) Complete Culvert replacement 10th st to Hawthorne
- 2) Complete resurfacing, manhole repair and reconstruction. 10th st Ashland to Chicago rd.
- 3) Complete road reconstruction including sewers. 26th st Euclid to Hickory
- 4) Complete road resurfacing and sewer reconstruction. D'amico Dr 8th to 10th street
- 5) Complete storm sewer, sinkhole repair and reconstruction. 70 citywide locations
- 6) Complete Stream-bed and culvert upgrade including clearing debris and upgrading embankments. 7 citywide locations.
- 7) Complete resurfacing with manhole and sewer reconstruction (CDBG Grant). 16th st. East End to State st.
- 8) Complete west side project. All storm sewer and catch basins reconstructed. Beacon Hill Area. 14th -16th st. Western to Hickory.

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 C4.16

Mitigation Action	Public Alert Notification
Year Initiated	2021
Applicable Jurisdiction	Chicago
Lead Agency/Organization	Chicago OEMC
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	UASI
Estimated Cost	No additional cost
Benefits (loss avoided)	Additional notification mechanism
Projected Completion Date	2021
Priority and Level of Importance (Low, Medium, High)	Medium Priority
Benefit Analysis (Low, Medium, High)	-
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:	OEMC created ChiLake, an opt-in notification system for residents/businesses who are interested in learning about weather impacts (advisories, watches, warnings) on the lakefront. Alerts are created using the RAVE notification system, which is already used for other types of alerts.
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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