

6 Des Plaines 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 City of Des Plaines has experienced flooding in the following areas: Des Plaines River, Weller Creek, Big Bend & River/Oakton Area. We are currently participating in the FEMA Buy-Out program to mitigate the risk of flooding.

Extreme Cold: Senior citizens are particularly vulnerable to extreme cold.

Wind, Hail, and Thunderstorms: Cause significant property and tree damage. While no tornados have previously touched down, high wind and thunderstorms conditions are problematic for the area.

Earthquake: While no fault zones are in the County, Des Plaines Crater fault activity has been reported

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

<p style="text-align: center;">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>								
2021 Status	2020 Status	2019 Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
Action D3.1 —Monitor implementation of City of Des Plaines Hazard Mitigation Actions.								
Status Description:								
O	O	Ongoing	All	3, 4, 6	City of Des Plaines Mitigation Planning Committee	Low	General Fund	Ongoing
Action D3.2 —Maintain CRS Class 6 status								
Status Description:								
O	O	Ongoing	Flooding, Severe Weather	3, 4, 5, 6, 7, 9, 10, 11, 13	City of Des Plaines Public Works and Engineering Departments	Low	General Fund	Ongoing
Action D3.3 —Incorporate mitigation actions into the City's comprehensive plan as well as the zoning, subdivision, floodplain, and stormwater management ordinances.								
Status Description:								
O	O	Ongoing	Flooding, Severe Weather	3, 4, 6	City of Des Plaines Community and Economic Development, Public Works, and Engineering Departments	Low	General Fund	Short- and long-term
Action D3.4 —Maintain full compliance with NFIP and state regulatory requirements. Implement 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	O	Ongoing	Flooding, Severe Weather	4, 6, 9	City of Des Plaines Community and Economic Development Department	Low	General Fund	Short-term and ongoing
Action D3.5 —Actively participate in regional stormwater, flooding and watershed activities, including the MWRD's stormwater management planning, the Northwest Municipal Conference's Stormwater Management Committee, and the Upper Des Plaines River Ecosystem Partnership.								
Status Description:								
O	O	Ongoing	Flooding, Severe Weather	1, 3, 4, 8	City of Des Plaines Public Works and Engineering Departments	Low	General Fund	Short-term and ongoing
Action D3.6 —Continue urban forestry programs to maintain trees that threaten utility lines or buildings and cost sharing with residents to replace removed trees								
Status Description:								
O	O	Ongoing	Flooding, Severe Weather	2, 11, 13	City of Des Plaines Public Works and Engineering Departments	Low	General Fund	Short-term and ongoing
Action D3.7 —Continue and expand rebate program for low cost retrofitting projects that protect properties from natural hazards; current program funds surface flooding, drainage, and sewer backup protection measures. Explore expanding program to include other protective measures such as tornado safe rooms, lightning rods, and earthquake protection like strapping water heaters and cabinets to the wall.								
Status Description:								

O	O	Ongoing	All	2, 11, 13	City of Des Plaines Public Works and Engineering Departments	Low	General Fund	Short-term and ongoing
Action D3.8 —Complete planned flood control projects on the Des Plaines River and Farmers Creek.								
Status Description:								
O	O	Ongoing	Flooding, Severe Weather	2, 9	City of Des Plaines Public Works and Engineering Departments	High	General Fund; FEMA Grant Funds	Short- and long-term
Action D3.9 —Continue drainage system maintenance.								
Status Description:								
O	O	Ongoing	Flooding, Severe Weather	2, 9	City of Des Plaines Public Works and Engineering Departments	High	General Fund	Short- and long-term
Action D3.10 —Review public information projects								
Status Description:								
O	O	Ongoing	All	2, 5	City of Des Plaines Public Information Office	Low	General Fund	Short- and long-term
Action D3.11 —Continue updating and communicating public information messages related to hazards.								
Status Description:								
O	O	Ongoing	All	2, 5	City of Des Plaines Public Information Office	Low	General Fund	Short-term and ongoing
Action D3.12 —Continue to support the countywide actions identified in this plan.								
Status Description:								
O	O	Ongoing	All	All	City of Des Plaines	Low	General Fund	Short- and long-term
Action D3.13 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description:								
O	O	Ongoing	All	3, 4, 6	DHSEM City of Des Plaines	Low	General Fund	Short-term
Action D3.14 —Where appropriate, support 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:								
O	O	Ongoing	All	7, 13	City of Des Plaines	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action D3.15 —Initiate a study to determine if implementing a program to record high water marks following highwater events is feasible.								
Status Description:								
O	O	Ongoing	Flooding, Severe Weather	3, 6, 9	City of Des Plaines	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action D3.16 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								
Status Description:								
O	O	Ongoing	All	3, 4, 6, 10, 13	Des Plaines Engineering Department	Low	General Fund	Ongoing
Action D3.17 —Continue implementation of the City's Capital Improvements Program (CIP).								
Status Description:								

O	O	Ongoing	All	1, 2, 7	Des Plaines Engineering Department	High	CIP component of general fund (if implemented)	Ongoing
Action D3.18 —Implement Des Plaines Flood-Prone Property Acquisitions (Phase I).								
Status Description:								
C	C	New	Flood	1	MWRD	\$3,949,639; MWRD Contribution: \$949,829	Grants	Long Term
Action D3.19 —Implement Flood Control Project on Farmers and Prairie Creeks.								
Status Description:								
O	O	New	Flood	1	MWRD	\$15,000,000	Local Funds and Grants	Unknown
Action D3.20 —Implement Des Plaines Flood-Prone Property Acquisitions (Phase II).								
Status Description:								
C	C	New	Flood	1	MWRD	\$15,263,444; MWRD Contribution: \$3,625,000	Local Funds and Grants	Long Term
Action D3.21 —Implement Green Infrastructure Project.								
Status Description:								
C	C	New	Flood	1	MWRD	Unknown	Local Funds and Grants	Long Term
Action D3.22 —Implement Des Plaines Flood-Prone Property Acquisitions (Phase III).								
Status Description:								
	N	-	Flood	2	FEMA	\$3,826,000	Grants	2022
(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 D3.22

Mitigation Action	Implement Des Plaines Flood-Prone Property Acquisitions (Phase III).
Year Initiated	2021
Applicable Jurisdiction	City of Des Plaines
Lead Agency/Organization	FEMA
Supporting Agencies/Organizations	IEMA, MWRD
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	Grants
Estimated Cost	\$3,826,000
Benefits (loss avoided)	Remove flood prone properties from floodplain
Projected Completion Date	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:	
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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