

6 Oak Park 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 has experienced flooding from heavy rains. In particular, the northeast part of town is most susceptible. Previously, this natural hazard has caused basement flooding and street closures throughout the Village. Aside from short term street flooding sewer backup is most prevalent.

Extreme Heat: As a result of the Village's many high-rise buildings and nursing homes, the citizens of Oak Park are particularly vulnerable to extreme heat.

Lightning: Many high-rises, cell towers, small cell sites. Similar to the risks posed by extreme heat events, the Village's many high-rise buildings and cell towers render the community particularly vulnerable to the impacts of lightning.

High Winds: Since the Village of Oak Park has over 18,000 parkway trees, downed trees could cause a total blockage of streets.

Snow: All Village streets including major thoroughfares (Harlem, Roosevelt, North Ave., Austin, I-290) in the Village are vulnerable to severe snow events. Moreover, parking congestion on the streets prevents adequate snow removal.

Blizzards: All Village streets including major thoroughfares (Harlem, Roosevelt, North Ave., Austin, I-290) in the Village are vulnerable to blizzards. Moreover, parking congestion on the streets prevents adequate snow removal.

Extreme Cold: The community has experienced frozen fire sprinkler lines and some frozen water service lines. In addition to this impact, the Village's many senior-living facilities make the area particularly vulnerable to extreme cold.

Ice Storms: All streets including major thoroughfares (Harlem, Roosevelt, North Ave., Austin, I-290) in the Village are vulnerable to ice storms. Moreover, parking congestion on the streets prevents adequate snow removal.

Tornado: Because the Village has over 18,000 parkway trees and over 50,000 residents, the community is particularly vulnerable to the impacts of tornadoes.

Drought: While no drought has occurred, preserving the natural landscape is essential to groundwater maintenance and beneficial in flood reduction.

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: There were four major rain/wind storms that affected the local Oak Park area (June 26, July 29, August 11 and October 24-25). The June 27th storm was the most severe of the year which resulted in several trees and large limbs down and approximately 30 reported sewer (basement) backups. At the height of the storm the Village received 1.25 inches of rain in a 45 minute period.

The winter season (fall 2020-spring 2021) produced over 61 inches of snow in the local area over 21 events. The worst period was from January 25, 2021 through February 16, 2021 where over 48 inches of snow fell over nine events. During this period there were no melting periods so the snow had to be piled up. This constrained roadway and alley width.

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 2021 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 O4.1 —Identify combined sewer system defects through video inspection.								
Status Description:								
O		Ongoing	Flooding, Severe Weather	6, 9, 13	Village	\$100,000 annually; Low	Water & Sewer Fund	Annual Program
Action O4.2 —Conduct sewer main repairs/replacements								
Status Description:								
O		Ongoing	Flooding, Severe Weather	2, 9, 13	Village	High	Grants/W&S Fund	See the FY 2022-2026 CIP
Action O4.3 —Identify sewer capacity constraints								
Status Description:								
O		Ongoing	Flooding, Severe Weather	2, 9, 13	Village	\$10,000 annually; Low	W&S Fund	Annual Program
Action O4.4 —Education program to encourage downspout disconnection								
Status Description:								
O		Ongoing	Flooding, Severe Weather	6, 8, 9, 13	Village	Low	Gen Rev	Education materials located on the Village Website
Action O4.5 —Implement education/grant program that promotes native landscapes								
Status Description:								
O		Ongoing	Flooding, Severe Weather, Drought	3, 4, 6, 13	Village	\$90,000 annually (including engineering); Low	W&S Fund	Annual Rain Ready Program
Action O4.6 —Adopt financial assistance programs encouraging homeowners to install sewer backflow preventers								
Status Description:								
O		Ongoing	Flooding, Severe Weather	6, 7, 9, 10	Village	\$200,000 annually; Medium	W&S Fund	Annual Program
Action O4.7 —Implement tree planting program								
Status Description:								
O		Ongoing	Flooding, Severe Weather	3, 4, 10, 13	Village	\$200,000 annually; Medium	CIP	Annual Program
Action O4.8 —Update the Village Comprehensive Plan								
Status Description:								
R	-	Completed	All	1, 3, 4, 6, 10	Planning	Medium	Grants/Gen Rev	Completed

Action O4.9 —Consider participation in the NFIP								
Status Description:								
R	-	Removed	Flooding	4, 6, 9	Village of Oak Park	Low	General Fund	Removed
Action O4.10 —Identify relocation of structures in hazard-prone areas								
Status Description:								
R	-	Removed	All	7, 13	Village of Oak Park	High	High FEMA Hazard Mitigation	Removed
Action O4.11 —Support the county plan								
Status Description:								
O		Ongoing	All	All	Village of Oak Park	Low	General Fund	Short- and long-term
Action O4.12 —Actively participates in the plan maintenance								
Status Description:								
O		Ongoing	All	3, 4, 6	Village of Oak Park	Low	General Fund	Short-term
Action O4.13 —Update of the Village Emergency Operations Plan.								
Status Description:								
R	-	Completed						Completed
Action O4.14 —Install overhead doors at all 3 fire stations. New doors will operate more quickly and be more reliable in improving/ensuring response time.								
Status Description:								
R		Completed	Tornado, Epidemic or Pandemic, Hazardous Materials Incident	12	Public Works/ Public Health	\$75,000; Low	Capital/Bonding	Completed
Action O4.15 —Implement Green Alley Improvements and Public Works Facility Demonstration Rain Garden								
Status Description:								
R		New	Flood	13	VOP/MWRD	Unknown	Grants/CIP	Completed
Action O4.16 —								
Status Description:								
N	-	-	Drought, Flood, Lighting, Extreme Heat, Hail, High Wind, Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Widespread Power Outage	1, 2, 3, 4, 5, 6	Village of Oak Park	\$134,000	VOP Sustainability Fund	2022
Action O4.17 —COVID-19 Mitigation								
Status Description:								
N	-	-	Epidemic/ Pandemic	2, 3, 4, 5, 6	Village of Oak Park	High	FEMA Grants, State Grants, Local Funds	Ongoing
(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 O4.16

Mitigation Action	Climate Adaption Plan
Year Initiated	2021
Applicable Jurisdiction	Village of Oak Park
Lead Agency/Organization	Village of Oak Park
Supporting Agencies/Organizations	-
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	VOP Sustainability Fund
Estimated Cost	\$134,000
Benefits (loss avoided)	Climate Change Resilience and Adaption
Projected Completion Date	2022
Priority and Level of Importance (Low, Medium, High)	Medium Priority
Benefit Analysis (Low, Medium, High)	Low—Long-term benefits of the project are difficult to quantify in the short term.
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 Oak Park will develop a climate adaptation plan to aid in addressing a changing climate and associated events.
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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
X	Drought
	Earthquake
X	Flood
X	Extreme Heat
X	Lightning
X	Hail
	Fog
X	High Wind
x	Snow
x	Blizzard
X	Extreme Cold
X	Ice Storms
X	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
X	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

6.2 Action O4.17

Mitigation Action	COVID-19 Mitigation
Year Initiated	2020
Applicable Jurisdiction	Village of Oak Park
Lead Agency/Organization	Village of Oak Park
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. • 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	FEMA Grants, State Grants, Local Funds
Estimated Cost	High
Benefits (loss avoided)	Minimize Loss of Life, Economic Productivity, and Minimize Virus Spread
Projected Completion Date	Ongoing
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:	Vaccine Administration PPE Acquisition and Distribution
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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
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
X	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident