

6 Morton Grove 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 following areas in the Village of Morton Grove are susceptible to flooding: the Sayer/Foster intersection, the National Park and Emerson/Capri neighborhoods, Oak Park cul-de-sac, as well as Dempster: Olcot- Harlem, and Dempster: N. Branch/Chicago River.

Extreme Heat: The Concrete pavement on Lincoln Ave, nursing homes, and assisted living facilities are vulnerable to extreme heat.

Lightning: Our parks and golf course are vulnerable to the impacts of lightning.

High Winds: In our Village, high winds pose a relatively higher threat to trees, blocking access for our citizens.

Extreme Cold: Extreme cold poses a high risk to our elderly population ([21% of the population](#) - with 63% of the elderly population receiving food stamps), possibly causing power outages in assisted living facilities and nursing homes.

Ice Storms: Our power lines are vulnerable to the impacts of ice storms, potentially eliminating the Village's power.

Tornado: Because our tornado sheltering is often in heavily populated buildings and complexes such as Saw Mill Station, condo complexes, assisted living facilities, and nursing homes, we are particularly vulnerable to tornadoes.

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: None

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 M8.1 —Description - Northeast neighborhood sewer separation project: The project would consist of the separation of the remaining combined sewer system north of Church Street. Storm water would be conveyed to an existing Outfall #17B by way of the Church Street Storm sewer. An engineering study along with the design was completed in 1988, however a redesign would be needed in order to modernize specifications. The project would reduce the amount of storm water entering the combined sewer system thereby reducing the number of combined sewer overflows. The project would also reduce surface water flooding that leads to the street and overland flooding along with reducing the number of basement backups in the area. Preliminary engineering is anticipated to be completed by the end of 2019.								
Status Description:								
O		Ongoing	Flooding	1, 2, 3, 7, 9	Public Works	\$7,260,000	Enterprise fund	Long-term
Action M8.2 —Description - North central neighborhood sewer separation project: Project would consist of the separation of the combined sewer system from Austin Avenue to Linder Avenue and Dempster Street to Church Street. Storm water would be conveyed to two existing outfalls #13 and #14. All engineering and design work would also need to be completed for the project. The project would reduce the amount of storm water entering the combined sewer system thereby reducing the number of combined sewer overflows. The project would also reduce surface water flooding that leads to street and overland flooding along with reducing the number of basement backups in the area								
Status Description:								
O		Ongoing	Flooding	1, 2, 3, 7, 9	Public Works	\$11,000,000; Short-term	Enterprise Fund	Long-term
Action M8.3 —Description - South central neighborhood sewer separation project: The project would consist of the separation of the combined sewer system from Austin Ave to Frontage Road and Main Street to Dempster Street. Storm water would be conveyed to an existing outfall #11. All engineering and design work would also need to be completed for the project. The project would reduce the amount of storm water entering the combined sewer system thereby reducing the number of combined sewer overflows. The project would also reduce surface water flooding that leads to the street and overland flooding along with reducing the number of basement backups in the area.								
Status Description:								
O		Ongoing	Flooding	1, 2, 3, 7, 9	Public Works	\$10,000,000; Medium	Enterprise Fund	Long-term
Action M8.4 —Description- Oak Park Avenue underground storm water detention: The project would consist of the installation of a 35' wide by 5' deep and 390 ' long underground storage chamber under a portion of Oak Park Avenue. A feasibility study has been conducted; however engineering and design work would also need to be completed for the project. The project would reduce or eliminate the right-of-way flooding issues on Oak Park Avenue north of Beckwith Road utilizing a underground storm water detention system that provides 1.56 Ac-ft. of storage.								
Status Description:								
O		Ongoing	Flooding	1, 2, 3, 7, 9	Public Works	1,100,000; Low	Enterprise Fund	Long-term
Action M8.5 —Description - Storm water storage feasibility study: The project would consist of a hydraulic engineering study to determine the feasibility of utilizing unimproved alley easements and other Village owned lands for the purpose of storm water detention either above or below ground. The project would determine if areas prone to flooding could benefit from the use of unimproved easements or other Village owned lands in the storage of storm water slowing the flow of storm water into the Village's storm sewer system thereby reducing the occurrence of street and overland flooding.								
Status Description:								
O		Ongoing	Flooding	1, 2, 3, 7, 9	Public Works	\$45,000; Low	General Fund	Long-term
Action M8.6 —Description - Dempster Street relief sewer: The project would consist of adding additional storm water storage capacity to the Dempster Street Illinois Department of Transportation (IDOT) storm sewer running from Ozark Avenue to Waukegan Road. The project funding could be shared by the IDOT, the Village of Niles and the Village of Morton Grove. The project would reduce or eliminate the number of Street closures on US Route 58 caused by street flooding, which in turn causes overland flooding that causes basement flooding in the area.								
Status Description:								
O		Ongoing	Flooding	1, 2, 3, 7, 9	IDOT	\$5,000,000	Capital Project Fund	Short-term
Action M8.7 —Description - Sewer Lining Project: The project would consist lining Village sanitary sewers throughout the Village of Morton Grove over the course of a four year program. The project would reduce the amount of storm water infiltration that occurs in older sanitary sewers. Reducing the amount of storm water infiltration will help reduce the amount of basement flooding along with reducing the number of combined sewer overflows. (\$250,000 per year)								
Status Description:								
O		Ongoing	Flooding	1, 2, 3, 7, 9	Public Works	\$1,000,000; Medium	Enterprise Fund	Short-term

Action M8.8 —Description Rain barrel project: The project would purchase approximately 500 rain barrels in order to start a self-sustaining sales and education program that would teach residents how to store and manage storm water on their own property, with projects such as rain gardens, ponds, rain barrels, etc. The project would reduce and delay the amount of storm water entering the storm and combined sewer systems. Thereby reducing the incidences of basement and street flooding along with reducing the amount of combined sewer overflows.								
Status Description:								
C	-	Completed	Flooding	1, 2, 3, 7, 9	Public Works	\$25,000; Low	General Fund	Completed
Action M8.9 —Description – Emergency Operations Center: Morton Grove is a lead agency in the region for emergency operations responses. The project herein would be to develop a modern emergency operations center that would meet the need of the region. The current operations center is at fire station headquarters which is also used as the main fire station. The Emergency Operations Center would serve several police and fire departments in the region that serve a densely populated suburban area.								
Status Description:								
R		Ongoing	All Hazards	1, 5, 8	Fire Dept.	\$1,200,000; Medium	General Fund	Short-term
Action M8.10 —Description – Generator: We are in need of back-up generation at both our South Pumping Station and at PW itself. This project would be valued at \$400,000 and take 1 yr.								
Status Description:								
C	-	Completed	All Hazards	1, 2, 13	Public Works	\$400,000; Medium	General Fund	Completed
Action M8.11 —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:								
O		Ongoing	All	7, 13	Village	High	FEMA Hazard Mitigation Grant	Long-term (depending on funding)
Action M8.12 —Continue to support the countywide actions identified in this plan.								
Status Description:								
R	-	Removed	All	All	Village	Low	General Fund	Removed
Action M8.13 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description:								
R	-	Removed	All	3, 4, 6	DHSEM, Village	Low	General Fund	Removed
Action M8.14 —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, 13	Village	Low	General Fund	Long-term
Action M8.15 —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	Public Works	Low	General Fund	Short-term and ongoing
Action M8.16 —Where feasible, implement a program to record high water marks following high-water events.								
Status Description:								
O		Ongoing	Flooding, Severe Weather	3, 6, 9	Village	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action M8.17 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								
Status Description:								
O		Ongoing	All	3, 4, 6, 10, 13	Village	Low	General Fund	Short-term
Action M8.18 —Install Multiple back-up generators on trailers to power areas designated as areas of refuge and areas/building with large populations. Contract with company with large power supply capabilities such as ComEd.								
Status Description:								

O		New	Extreme Heat, Lightning, High Wind, Blizzard, Extreme Cold, Tornado, Widespread Power Outage	1, 2, 12, 13	Public Works	\$500,000; Medium	PDM	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.