

6 Mount Prospect 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: Levee 37: Potential for failure of levee wall and pump system. The northeast section of our community is most vulnerable if a failure would occur.

Flood: We experience localized flooding throughout the Village, especially in the unincorporated subdivision, Forest River, near Kensington and River Roads under the jurisdiction of Cook County and Wheeling Township (but Mount Prospect Fire Dept. responds to emergencies). In particular, the Des Plains River flooding limits our ability to evacuate and receive resources from the East.

Tornado and High Winds: Wind events are prevalent in the area and our overhead power lines are vulnerable.

Snow: Our overhead power lines are vulnerable. [15.8% of the population is 65 years or older](#) and this population has an increased vulnerability to extreme weather, particularly winter storms.

Blizzards: Our overhead power lines are vulnerable.

Ice Storms: Our overhead power lines are vulnerable.

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 no natural hazards that had a measurable impact on people or property in 2021.

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 M9.1 —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								
O		Ongoing	Flooding	4, 6, 9	Village	Low	Local	Short-term and Ongoing
Action M9.2 —Continue to maintain or enhance the Village’s CRS Classification.								
Status Description:								
O		Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village	Low	Local	Ongoing
Action M9.3 —Complete construction of Levee 37.								
Status Description:								
R	-	Completed	Flood	1, 2, 8, 9, 12	US Army Corps	\$2,500,000; High	Federal	Completed
Action M9.4 —Purchase emergency generator for Village water well.								
Status Description:								
R	-	Completed	Multi-Hazard	1, 2	Village	\$575,000; Medium	Local	Completed
Action M9.5 —Continue Creek Bank Stabilization Program.								
Status Description:								
O		Ongoing	Flood	1, 2, 9, 12	Village	\$25,000; Low	Local	Short-term Ongoing
Action M9.6 —Continue Creek Tree Trimming Program.								
Status Description:								
O		Ongoing	Flood, Severe Weather, Tornado	1, 2, 9, 12	Village	\$25,000; Low	Local	Short-term Ongoing
Action M9.7 —Continue yearly Creek Inspection Program.								
Status Description:								
O		Ongoing	Flood	1, 2, 9, 12	Village	Low	Local	Short-term Ongoing
Action M9.8 —Continue yearly Detention Pond Maintenance Program.								
Status Description:								
O		Ongoing	Flood	1, 2, 9, 12	Village	\$100,000; Low	Local	Short-term Ongoing
Action M9.9 —Inspect Village warning sirens and review need for replacements.								
Status Description:								
R		Completed	Tornado	5	Village	\$90,000; Medium	Local	Completed
Action M9.10 —Develop a Debris Management Plan.								
Status Description:								
O		Ongoing	Multi-Hazard	1	Village	Low	Local	Short-term Ongoing
Action M9.11 —Continue providing Community Preparedness Guide on Village Web page and in Village Newsletter annually.								
Status Description:								
O		Ongoing	Multi-Hazard	1, 2, 5, 6, 8, 12	Village	Low	Local	Short-term Ongoing
Action M9.12 —Conduct New Town Subdivision Storm Drainage Analysis.								
Status Description:								

R	-	Completed	Flood	1, 2, 3, 6, 9	Village	High	Local	Completed
Action M9.13 —Complete Catalpa Lane Area Drainage Improvements.								
Status Description:								
R	-	Completed	Flood	1, 2, 9, 12	Village	\$145,000	HMGP and PDM Grants and Local	Completed
Action M9.14 —Complete Park Drive Area Drainage Improvements.								
Status Description:								
R	-	Completed	Flood	1, 2, 9, 12	Village	\$185,000	HMGP and PDM Grants and Local	Completed
Action M9.15 —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 Grants	Long-term (depending on funding)
Action M9.16 —Continue to support the countywide actions identified in this plan.								
Status Description:								
O		Ongoing	All	All	Village	Low	Local	Short- and Long-term
Action M9.17 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description:								
O		Ongoing	All	3, 4, 6	DHSEM, Village	Low	Local	Short-term
Action M9.18 —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	Local	Short-term
Action M9.19 —Increase pumping capacity of Levee 37 pump stations.								
Status Description:								
O		Ongoing	TBD	1, 2, 9, 12	Army Corps, IDNR, Village	High	Federal, IDNR, Local	June 2022
Action M9.20 —Increase size storm sewers tributary to Levee 37 pumping stations and provide storm water detention.								
Status Description:								
O		Ongoing	Flood	1, 2, 9, 12	MWRD, Village	High	Federal, IDNR and Local	Short and Long Term
Action M9.21 —Conduct a Floodplain Study of Higgins Creek.								
Status Description:								
O		New	Flood	3, 4, 13	MWRD	Medium	MWRD	2022
Action M9.22 —Stormwater Storage construction in Mount Prospect.								
Status Description:								
O		New	Flood	2, 3, 9, 12	MWRD	High	MWRD and Local	Short and Long Term
(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.

The Aspen Trails Park Drainage Improvement Project was constructed in 2021 and provides stormwater detention storage. The project reduces the risk of flooding for numerous properties in the area tributary to Levee 37 Pump Station #2. The River Trails Park District provided the land and MWRD provided funding assistance.

The Village had a CRS reverification visit in 2021 and expects to maintain a Class 6 CRS rating or advance to a Class 5 rating. Through the Village's involvement in the CRS Program since 1991, we continue to implement flood protection and prevention measures above the minimum standards of the National Flood Insurance Program, providing a higher level of flood protection for the Village's property owners and discounted flood insurance premiums.

The Army Corps awarded a contract for upgrades to the Levee 37 Pump Station #2 which will increase the pumping capacity and reduce the risk of flooding to

the tributary area. IDNR and Mount Prospect are partnering with the Army Corps and participating in the cost of the project. Construction started in 2021 and is expected to be completed in summer 2022.

Mount Prospect awarded a contract for the Levee 37 Backup Emergency Generator Project that will result in the purchase and installation of backup generators for Levee 37 pump stations #1 and 2. Construction is planned for 2022. Funding assistance is from a DCEO Grant.

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.