

6 Prospect 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.

Flood: We have experienced flooding at Willow Road between Elmhurst and Wheeling Roads, Arlington Countryside subdivision, Elmhurst Rd (IDOT) between Willow Road and Camp McDonald, and Old Willow Road Apartments - Eastside. The City also experienced overflows near many homes along McDonald Creek in multiple locations, impacting Patricia, Wheeling, Alton, Own and Elm Streets. Other streets affected include Sherwood, Glenbrook, Wildwood, Palatine Frontage- Milwaukee Ave. Arlington Countryside, Old Willow between Wolf and River Rd, Tully and S. Wheeling.

Extreme Heat: In the case of extreme heat, we need planning assistance for two (2) new assisted living communities.

High Winds: We need generators for critical facilities during high winds, including our Public Works building and water pump station. Our community also needs a portable generator for life station use.

Extreme Cold: Due to our previous experiences with extreme cold, we require upgrades for Public Works' snow and ice equipment for liquid de-icers. Also, as earlier noted, we need planning assistance for our two (2) new assisted living communities.

Ice Storms: Similar to the impacts of high winds in our jurisdiction, we need generators to ensure the continuity of operations of our critical facilities during severe ice storms.

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](#)

New Projects for 2022

1. Willow Trails Park: Stormwater conveyance and storage improvements in conjunction with proposed park improvements by the River Trails Park District. (Hazard: Flooding; Obj: 1,2, 3, 7, 9; Lead Agency: Engineering; Estimated Cost: Low; Funding Source: General Fund/RT Park District; Short-term.)

2. Identification of and improvements to address restrictive hydraulic conditions on McDonald Creek throughout the City(Hazard: Flooding; Obj: 1,2, 3, 7, 9; Lead Agency: Engineering; Estimated Cost: High; Funding Source: General Fund, Grants; Short-term.)

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 P9.1—Ponding on Eleanor Drive								
Status Description:								
-	-	Completed	Flooding	1, 2, 3, 7, 9	Public Works	\$50,000; Low	General Funds, FEMA funds, MWRD-Phase II	Completed
Action P9.2—Ponding on Lynbrook Drive								
Status Description:								
-	-	Completed	Flooding	1, 2, 3, 7, 9	Public Works	\$65,000; Low	General Funds, FEMA funds, MWRD-Phase II	Completed
Action P9.3—Flooding areas on Kenilworth / McDonald Creek area								
Status Description: City is finalizing IGA with MWRDGC and Cook County DOTD for road raise project.								
		Ongoing	Flooding	1, 2, 3, 7, 9	Public Works	\$200,000; Low	General Funds, FEMA funds, MWRD-Phase II	2 years, Short-term
Action P9.4—Flooding areas – Eastside Tax Increment Financing								
Status Description: Continue to work with IDNR for Levee 37 project completion.								
		Ongoing	Flooding	1, 2, 3, 7, 9	Public Works	\$2,170,000; High	General Funds, FEMA funds, MWRD-Phase II	5 years, Short-term
Action P9.5—Ponding on Drake Avenue East								
Status Description:								
-	-	Completed	Flooding	1, 2, 3, 7, 9	Public Works	\$75,000; Medium	General Funds, FEMA funds, MWRD-Phase II	Completed
Action P9.6—Ponding on Drake Avenue West								
Status Description:								
-	-	Completed	Flooding	1, 2, 3, 7, 9	Public Works	\$100,000; Medium	General Funds, FEMA funds, MWRD-Phase II	Completed
Action P9.7—Flooding areas on Elm - near Willow Ave								
Status Description:								
-	-	Completed	Flooding	1, 2, 3, 7, 9	Public Works	\$960,000; High	General Funds, FEMA funds, MWRD-Phase II	Completed

Action P9.8 —Ponding areas on South Wildwood Drive								
Status Description:								
-	-	Completed	Flooding	1, 2, 3, 7, 9	Public Works	\$35,000; Low	General Funds, FEMA funds, MWRD-Phase II	Completed
Action P9.9 —Flooding areas in Arlington Countryside								
Status Description: 2021 Completed design for pumping station and force main. Project to be bid in Q1 2022 and completed by Q4 2022.								
		Ongoing	Flooding	1, 2, 3, 7, 9	Public Works	\$3,200,000; High	General Funds, ARPA funds, FEMA funds, MWRD-Phase II	2 years, Short-term
Action P9.10 —Ponding areas on Glenbrook Drive								
Status Description:								
		Ongoing	Flooding	1, 2, 3, 7, 9	Public Works	\$25,000; Low	General Funds, FEMA funds, MWRD-Phase II	2 years, Short-term
Action P9.11 —Ponding areas on Alton Road								
Status Description:								
		Ongoing	Flooding	1, 2, 3, 7, 9	Public Works	\$50,000; Medium	General Funds, FEMA funds, MWRD-Phase II	2 years, Short-term
Action P9.12 —Structures in flood hazard prone areas								
Status Description: 2021 City council approved IGA with MWRDGC for buyout of one repetitive loss residential home. Demolition planned for 2022.								
		Ongoing	All	7, 13	City of Prospect Heights	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action P9.13 —Continue to support the countywide actions identified in this plan								
Status Description:								
		Ongoing	All	All	City of Prospect Heights	Low	General Fund	Short- and long-term
Action P9.14 —Participate in the plan maintenance strategy identified in this plan								
Status Description:								
		Ongoing	All	3, 4, 6	DHSEM, City of Prospect Heights	Low	General Fund	Short-term
Action P9.15 —Continue to maintain/enhance City's CRS classification								
Status Description: Following the 2021 verification cycle Prospect Heights improved to a Class 6 CRS rating.								
		Ongoing	Flood	3, 4, 5, 6, 7, 9, 10, 11, 13	City of Prospect Heights	Low	General Fund	Long-term
Action P9.16 —Maintain standing in NFIP Program								
Status Description:								
		Ongoing	Flooding	4, 6, 9	City of Prospect Heights	Low	General Fund	Short-term and ongoing
Action P9.17 —Recording high water marks following high-water events								
Status Description:								
		Ongoing	Flooding, Severe Weather	3, 6, 9	City of Prospect Heights	Medium	General Fund, FEMA Grant Funds (Public Assistance)	Long-term
Action P9.18 —Integrate the hazard mitigation plan into other programs								

Status Description:								
		Ongoing	All	3, 4, 6, 10, 13	Engineering	Low	General Fund	Short-term
Action P9.19 —Install large, portable generator needed for backup power supply used on storm water lift station at Levee 37 Des Plaines River								
Status Description: Portable generator to be purchased in conjunction with the Arlington Countryside project.								
		New	Flood; Widespread Power Outage	1, 2, 12	City of Prospect Heights	High	Grant funding and General fund.	Short-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.

1. P9.9 Arlington Countryside - Flooding Areas: City secured significant grant funding approximately \$2 mil. in State and Federal sources for this project. Completed design for pumping station and forcemain. Secured an easement with a homeowner in the affected area to construct the lift station. Project to be bid Q1 of 2022 with construction is scheduled to begin in Q4 of 2022.
2. Secured MWRDGC funding to purchase and demolish a repetitive loss house at 214 S. Wheeling Rd. Property will be incorporated into an existing Prospect Heights Park District will park and provide better access to the park.
3. Finalizing IGA with MWRDGC and Cook County DOTD to raise E. Willow Road to prevent road closures due to rain event flooding closures.
4. Following the 2021 verification cycle Prospect Heights improved to a Class 6 CRS rating.

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.