

6 Brookfield 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.

Flooding: The community has experienced street flooding on 47th Street between Eberly Ave to Raymond Avenue, specifically the 4600 Blocks, 3800 Block of Arden Avenue, 3300 Block of Arthur Avenue, 3500 Block of Forest Avenue, 3000/2900 Blocks of Forest/Prairie and Vernon Avenues. In 2012, flash/urban flooding Ogden Avenue was impassable between Joliet Avenue and Lawndale Avenue. In addition to street flooding, basement flooding is a major concern for the area.

Severe Weather: In 2011, a huge oak tree was uprooted along 26th Place due to severe. The tree fell on top of a house, but all of the large limbs remained in the air and no damage was reported to the roof. Additional trees, tree limbs and power lines were blown down in the community. Power outages continue to be a concern for the aboveground power lines.

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: We experienced multiple high wind events which led to storm damage, property damage, and vehicle damage.

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
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Completion status legend:							
<p style="text-align: center;">N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>							
2021 Status	2019 Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
Action B12.1 —Integrate the local hazard mitigation plan into the safety element of the emergency operations plan, and update the plan annually.							
Status Description: Working with the Fire Department.							
2020: The current pandemic has forced implementation and updating of current emergency operations.							
O	Ongoing	All	3, 4, 8	Fire Dept.	Low	General Fund	Ongoing (Annual)
Action B12.2 —Update and enhance Village building code by adopting the 2021 ICC codes.							
Status Description: Working with the new Community Development Director.							
2020: Starting in January 2021 training will begin with inspectors.							
O	Ongoing	All	3, 4, 10	CD	Low	General Fund	Short-term
Action B12.3 —Require that all new construction be designed with a fire sprinkling system.							
Status Description: Currently being enforced							
2020: Fire Department is working with Community Development.							
O	Ongoing	Addresses secondary hazard to all hazards of concern	2, 10	Fire Dept.	Low	General Fund	Ongoing
Action B12.4 —Ensure that new developments be designed to reduce or eliminate flood damage by requiring on-site detention facilities as required.							
Status Description: Project completed, currently being enforced.							
2020: Village has approved an updated Storm water Management Code.							
C	Ongoing	Flood	3, 9, 13	CD	Low	General Fund	Ongoing
Action B12.5 —Provide sandbags and sand to residents in anticipation of rainstorm events, deliver materials to residents and provide public information on how to obtain these materials.							
Status Description: Readily available sand and sand bags continue.							
2020: Sand and sand bags are continually stocked and replenished at the DPW facility for homeowners. 24 hour access is available. Published on Website.							
O	Ongoing	Flood	2, 6, 9	Public Works	\$3,500; Low	Water Fund	Ongoing
Action B12.6 —Continue to participate in mutual aid and intergovernmental agreements, both official and unofficial, for cooperative response to hazards and disasters.							
Status Description:							
2020: Ongoing, The Fire Department continues to participate in MABAS. Public Works Director meets with unofficially with local other Directors monthly.							
O	Ongoing	All	1, 8	Fire Dept., Public Works	Low	General Fund	Ongoing
Action B12.7 —Install a storm sewer lift station pump north of Washington Ave. bridge and create new onsite local detention to help mitigate storm water flooding.							
Status Description:							
C	Completed	Flood	2, 3, 4, 7, 9	Admin, Public Works	\$1,900,000; High	Water Fund, MWRD-Phase II	Completed
Action B12.8 —Continue the stormwater 50/50 program to offer residents an incentive to better protect their homes with either overhead sewers or one-way flap valves.							
Status Description:							
2020: This program has been added to be funded for the 2022 budget.							
O	Eliminated	Flood	2, 7, 9, 11	Admin	\$100,000; Medium	Water Fund	Eliminated
Action B12.9 —Continue to utilize a reverse-911 call system to communicate emergency information with residents in a timely manner.							
Status Description: System is used for various emergencies.							

O	Ongoing	All	1, 5, 6	Admin	\$13,500; Low	General Fund	Ongoing
Action B12.10 —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:							
2020: Structures are monitored during rain events, including outfalls and records are maintained for future repairs and maintenance.							
O	Ongoing	All	7, 13	Brookfield	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action B12.11 —Continue to support the countywide actions identified in this plan.							
Status Description:							
O	Ongoing	All	All	Brookfield	Low	General Fund	Short- and long-term
Action B12.12 —Actively participate in the plan maintenance strategy identified in this plan.							
Status Description:							
O	Ongoing	All	3, 4, 6	DHSEM (Brookfield)	Low	General Fund	Short-term
Action B12.13 —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and Storm Ready.							
Status Description: A rating system and GIS identification for species is on the budget for 2022.							
2020: Brookfield will celebrate 30 years in Tree City in 2021.							
O	Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Brookfield	Low	General Fund	Long-term
Action B12.14 —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: An inspection process is going to be implemented to enforce disconnecting of downspouts.							
2020: Records are maintained for prone flooding areas and to be included in GIS.							
O	Ongoing	Flooding	4, 6, 9	Building and Planning	Low	General Fund	Short-term and ongoing
Actions B12.15 —Where feasible, implement a program to record high water marks following high-water events.							
Status Description: We document all rain events.							
2020: Water levels are monitored and recorded through SCADA.							
O	Ongoing	Flooding, Severe Weather	3, 6, 9	Brookfield	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action B12.16 —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	Hancock Engineering	Low	General Fund	Completed
Action B12.17 —Install the Stormwater S.C.A.D.A. system for pump station at Washington Avenue bridge							
Status Description:							
C-	Complete	Flood	9	Hancock Engineering	Low - \$20,000 for the SCADA system	General Fund/Water fund	Completed
Action B12.18 —Install a new underground storage system to better manage storm water							
Status Description:							
O	Ongoing	Flood	9	Hancock Engineering	Low - \$200,000 for the storage system	General Fund/Water fund	2019/2020
Action B12.19 —Storm Sewer Installation							
Status Description: Possible storm sewer installation on Burlington Avenue for street improvement in 2024							
O	Ongoing	New	1, 2, 3, 6	Village of Brookfield	High - 2.5 million	MWRD/ Rebuild Illinois	2024

(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: No success stories for 2021.

Future Needs: I would be interested in future education and training on mitigation grants.