

6 Lyons 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.

Severe Weather: In 2016, a strong area of low pressure moved across the Western Great Lakes on March 16th producing wind gusts between 50 and 60 mph. Numerous trees and tree limbs were blown down. A tree was uprooted and fell onto a home in Lyons.

Severe Winter Weather: In 2011, A 58 year old man from Lyons died of a heart attack late in the evening of February 1st while shoveling snow during a blizzard.

Levee Failure: A failure in the Lyons Levee could flood the area.

Tornado and High Winds: Above ground power lines are impacted during these events which lead to power outages. The elderly community ([12.2% of the population is 65 or older](#)) is especially vulnerable during extended outages.

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:

Heavy snow conditions throughout village causing roof collapse at 8346 47th. Street on February 17, 2021.

Heavy rain conditions causing flooding conditions throughout the village, including a major a roof collapse at 8424 47th. Street on June 26, 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?
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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 L7.1 — Maintain the municipality's tornado warning system and enhance system capabilities.								
Status Description:								
-	-	Completed	Tornado	1, 5, 12	Fire, Police	Medium	General Revenue, Grants	Completed
Action L7.2 —Where appropriate, support retrofitting, purchase, or relocation of structures located in hazard-prone areas to protect structures from future damage. Consider properties with exposure to repetitive losses as a priority.								
Status Description:								
O		Ongoing	All	7, 13	Building Department	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action L7.3 —Perform a survey of the village to determine building stock inventory. Knowing where unreinforced masonry buildings are would provide valuable information to first responders if an earthquake was to occur.								
Status Description:								
O		Ongoing	Earthquake	2, 6, 7	Building Department	Low	General Revenue, Grants	Short-term
Action L7.4 —Enhance capabilities of the Village's emergency operations center. This will include dedicated room, furniture, equipment, operating supplies, and software.								
Status Description:								
O		Ongoing	All	1, 5	Fire, Police	High	General Revenue, Emergency Operation Center Grants	Short-term
Action L7.5 —Participate and become a national weather service storm ready community.								
Status Description:								
O		Ongoing	Flood, Severe weather	3, 4, 5, 6, 7, 9, 10, 11, 13	Fire	Low	General Revenue	Long-term
Action L7.6 —Maintain and upgrade the Village's reverse 911 communication system.								
Status Description:								
-	-	Completed	All	1, 5	Police	Medium	General revenue, Grants	Completed
Action L7.7 —Clear Village storm drains for effective stormwater management.								
Status Description:								
O		Ongoing	Floods / Severe Weather	1, 2	Public Works Contractor	Low	General Revenue	On-going
Action L7.8 —Improve and repair Village infrastructure to improve resilience to natural disasters.								
Status Description:								
O		Ongoing	All	1, 2, 7	Public Works	High	General Revenue, Grants	Long-term
Action L7.9 —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	Building Department	Low	General Fund	Short-term and ongoing

Action L7.10 —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 of Lyons	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action L7.11 —Consider the development and implementation of a Capital Improvements Program (CIP) to increase the Village's regulatory, financial and technical capability to implement mitigation actions.								
Status Description:								
O		Ongoing	All	1, 2, 7	Village of Lyons	High	CIP component of general fund (if implemented)	Long-term
Action L7.12 —Continue to support the countywide actions identified in this plan.								
Status Description:								
O		Ongoing	All	All	Village of Lyons	Low	General Fund	Short- and long-term
Action L7.13 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description:								
O		Ongoing	All	3, 4, 6	DHSEM, Village of Lyons	Low	Revenue, Grants	Short-term
Action L7.14 —Flood Mitigation for repeatedly flooded areas.								
Status Description:								
O		New	Flood	1, 2, 3, 4, 12, 13	Lyons FD	TBD	No local funds are available	TBD
Action L7.15 —Support flood mitigation through generator installation to enhance Lyons DPW operations								
Status Description:								
O		New	Flood, Widespread Power Outage	1, 2, 3, 4, 12, 13	Lyons	High	TBD	Est 12/18 months from funding for mitigation/3 months for generation
Action L7.16 —Enhance flooding reduction through property buy-outs								
Status Description:								
O		New	Flood	1, 2, 7, 12, 13	Lyons FD	High	Salt Creek/Circle Drive Local funds not available	option 1: pump option 2. buy out / time unknown house 12 months
Action L7.17 —Conduct a Stormwater Assessment Study								
Status Description:								
O		New	Flood	3, 4, 12	Lyons DPW	\$200,000; High	Local funds not available	3-6 months
Action L7.18 —Implement Lyons Levee Flood Control Improvements								
Status Description:								
O		New	Dam/Levee Failure, Flood	1, 2, 3, 7, 9, 13	MWRD	\$7,285,000	MWRD	TBD
(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: Talks with residents of flood prone circle drive have evolved and is coming closer to being accomplished.

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.