

# 6 Lansing 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.

**Earthquake:** On 4/18/2008 at 09:36:59, a magnitude 5.4 (Depth: 8.9 mi) earthquake occurred 216.1 miles away from Lansing center.

**Drought:** The village promotion of water conservation programs Village wide indicates impacts.

**Flood:** Severe thunderstorms formed across far northern Illinois during the afternoon hours of July 17th 2003 and moved south across the Chicago Metro area through the evening. Minor flooding of some streets and low lying areas was reported across southern Cook county.

**Severe Weather:** Extensive damage was sustained from two separate lines of thunderstorms on Monday, June 30th 2014 which was officially determined to be from two separate derecho events. During these two events, 80 to 110 MPH straight line winds along with several tornadoes of up to EF-1 intensity produced wind damage from Central Iowa east into Michigan and Ohio. Thunderstorms developed over Iowa during the early afternoon and organized into a forward-propagating quasi-linear convective system (QLCS) and tracked across lake Michigan by early to mid evening. Meanwhile, a second complex of intense thunderstorms developed over central and eastern Iowa and also evolved into a QLCS, tracking across northern Illinois and northwest Indiana late in the evening into the overnight hours.

**Tornadoes:** A brief tornado touched down near 179th street, east of Burnham Road and ended near the Indiana State line and 177th Street. Several tree limbs were blown down. One tree limb fell onto a car. (6/7/2008)

## 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: [Type Here]

## 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)
<b>Action #1</b> —Improve communications with purchase of mass notification system.								
<b>Status Description:</b>								
-	-	Completed	All	5, 6	Village	\$18,000/year; Low	911 Funds	Completed
<b>Action #2</b> —Raise public awareness about regional hazards.								
<b>Status Description:</b>								
		Ongoing	All	5, 6	Village	\$5000; Low	Grants/Gen Revenue	Ongoing
<b>Action #3</b> —Maintain political support for hazard mitigation and response programs.								
<b>Status Description:</b>								
		Ongoing	All	1, 6	Village	Low	Gen Revenue	Ongoing
<b>Action #4</b> —Maintain and improve infrastructure throughout the Village of Lansing.								
<b>Status Description:</b>								
		Ongoing	All	1, 2, 5, 6, 7, 10	Village	High	CIP, Bonds, Grants	Long-term
<b>Action #5</b> —Promote water conservation programs Village wide.								
<b>Status Description:</b>								
-	-	Completed	Drought	3, 8, 9	Village	Low	Gen Revenue	Completed
<b>Action #6</b> —Evaluate critical facilities and retrofit as needed.								
<b>Status Description:</b>								
		Ongoing	Earthquake	1, 2, 7, 10	Village	Medium	Gen Revenue, Grants	Long-term
<b>Action #7</b> —Promote purchase of earthquake insurance.								
<b>Status Description:</b>								
		Ongoing	Earthquake	1, 2	Village	Low	General funds	General funds
<b>Action #8</b> —Maintain/enhance Community Rating System (CRS) classification to reduce flood insurance rates.								
<b>Status Description:</b>								
		Ongoing	Flood	7, 9, 11	Village	Low	Grants/General funds	Ongoing
<b>Action #9</b> —Maintain in "Good Standing" within the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. This includes enforcing an adopted flood damage prevention ordinance, updating floodplain maps, and providing public assistance and information on floodplain requirements and impacts.								
<b>Status Description:</b>								
		Ongoing	Flood	4, 6, 9	Village	Low	General funds	Ongoing
<b>Action #10</b> —Upgrade/retrofit pump stations at 170th Street.								
<b>Status Description:</b>								
		Ongoing	Flood	1, 2, 9,11	Village	\$200,000; Medium	General funds	Long-term
<b>Action #11</b> —Tree removal and erosion control								
<b>Status Description:</b>								
		Ongoing	Flood	1, 2, 9, 11	Village	\$500,000; Medium	General funds/Grants	Short-term
<b>Action #12</b> —Replace two existing lift stations at Paxton Ave and Fernwood.								
<b>Status Description:</b>								

-	-	Completed	Flood	1, 2, 9, 11	Village, MWRD	\$1,150,000; High	CIP, Bonds, MWRD- phase-II, Grants	Completed
<b>Action #13</b> —Address encroachment areas along river.								
<b>Status Description:</b>								
		Ongoing	Flood	1, 2, 9, 11	Village	\$90,000; Medium	General funds/Grants	Short-term
<b>Action #14</b> —Sewer separation project.								
<b>Status Description:</b>								
		Ongoing	Flood	1, 2, 9, 11	Village, MWRD	\$7,000,000; High	CIP, Bonds, MWRD- phase-II, Grants	Long-term
<b>Action #15</b> —Address failing culvert in North Creek.								
<b>Status Description:</b>								
		Ongoing	Flood	1, 2, 9, 11	Village, MWRD	\$8,000,000; High	CIP, Bonds, MWRD- phase-II, Grants	Long-term
<b>Action #16</b> —Replace Erfert Park pump station.								
<b>Status Description:</b>								
-	-	Completed	Flood	1, 2, 9, 11	Village, MWRD	\$150,000; Medium	General funds/Grants	Completed
<b>Action #17</b> —Bury utility cables to reduce the possibility of power outages.								
<b>Status Description:</b>								
		Ongoing	Severe Weather	1, 2, 5, 7, 8, 10	Com-Ed	\$20,000,000; High	Grants/Gen funding	Long-term
<b>Action #18</b> —Improve early warning systems with sirens and mass notification system								
<b>Status Description:</b>								
-	-	Completed	All	1, 2, 5, 6	Village	\$20,000/year; Medium	911 fund/Grants	Completed
<b>Action #19</b> —Improve on current procedures for treating roads during winter storms.								
<b>Status Description:</b>								
-	-	Completed	Severe Winter Weather	1, 2, 3, 5,	Village	Medium	Grants/Gen funding	Completed
<b>Action #20</b> —Reinforce current structures to withstand minimum wind speeds.								
<b>Status Description:</b>								
		Ongoing	Tornadoes	1, 2, 3, 6, 7	Village	High	Grants/Gen funding	Long-term
<b>Action #21</b> —Promote the building of safe rooms in schools and new construction.								
<b>Status Description:</b>								
		Ongoing	Tornadoes	2, 3, 7, 10	Village	High	Grants	Long-term
<b>Action #22</b> —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								
<b>Status Description:</b>								
		Ongoing	All	1, 4, 6, 8	Village	Low	Gen Revenue	Ongoing
<b>Action #23</b> —When appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage.								
<b>Status Description:</b>								
		Ongoing	All	7, 13	Village	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
<b>Action #24</b> —Continue to support the countywide actions identified in this plan.								
<b>Status Description:</b>								
		Ongoing	All	All	Village	Low	General Fund	Short- and long-term
<b>Action #25</b> —Actively participate in the plan maintenance strategy identified in this plan.								
<b>Status Description:</b>								
		Ongoing	All	3, 4, 6	DHSEM, Village	Low	General Fund	Short-term
<b>Action #26</b> —Back-up generators								

Status Description:								
		Completed	All	1, 2, 13	Lansing Police Department	\$350,000; Medium	Local Funds	2021
<b>Action #27</b> —Village of Lansing Parking Lot Improvements								
Status Description:								
		Ongoing	Flood	13	MWRD	TBD	MWRD	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:** Completed replacement of Police Department Generator

**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.