

6 Matteson 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: Very heavy rains fell across parts of southern Cook County. In Matteson, viaducts flooded on Governors Highway. The viaduct at 214th street had 5 feet of water and the viaduct at 218th street had 9 feet of water. A city rain gauge measured 1.50 inches of rain in 45 minutes and 3 inches in four hours. Numerous other streets were flooded along with some flooded basements. Basement flooding was also reported in Richton Park. Storm total rainfall amounts included 3.13 inches in Park Forest, 2.81 inches in Lansing and 2.09 inches in Manhattan.

Severe Weather: Trees up to 60 feet tall were blown over and large tree limbs were blown down near Lincoln Highway and Governors Highway.

High Wind: There were numerous reports of funnel clouds from Matteson to Peotone to Beecher. / In Matteson there was sporadic damage to commercial buildings across a half mile wide path along and south of Route 30 and Cicero Ave. Garage doors were blown in at a service station, and there was damage to roofs and HVAC units on roofs to a few buildings around the Lincoln Mall Shopping Center. There were a few trees blown down in a wooded area just southeast of the mall. Two semis were overturned on I-57 near Sauk Trail.

Hail, Snow, Blizzard, Extreme Cold, Ice Storms: Penny size hail was reported at Route 30 and Governors Highway.

Tornado: There was an intense narrow path of damage starting just southeast of the intersection of Lincoln Highway and Governors Highway. The concentrated path went from near Memorial Park to the train platform at Main Street and Hickory. In this neighborhood many large limbs were down and some trees were uprooted. A garage was destroyed and the roof of the train platform was damaged. Winds through this area were likely 90 to 105 mph, which is EF1 on the enhanced Fujita Scale. The path of the damage was from northwest to southeast, but many of the trees were blown from southwest to northeast, across the damage path. This indicated there was likely rotation. Several residents reported seeing rotation or a funnel cloud in this area. Lighter damage continued southeast of the railroad tracks near Wildwood Park and east to the Norwood Plaza at Western and 26th Street. It appears that the tornado dissipated in the forest preserve near 26th Street.

Widespread Power Outage: Roof damage to a business building. Power lines also blown down. Powerful and damaging thunderstorms moved across northern Illinois producing widespread wind damage. The most intense wind damage occurred along a path which began in far western Dupage County near the intersection of Roosevelt Road and Washington Street in West Chicago and continued east through the northern portions Lombard and Glen Ellyn, into Northlake, then across the north side of Chicago to the Lake Michigan Shore near Montrose Harbor.

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)
Action M2.1—IMPROVE PUBLIC INFRASTRUCTURE regarding mitigation of floods and other hazards with specific concentrations on water/sewer infrastructure projects. Some other mitigation efforts include: sewer lining and smoke testing for combined sewer overflow; street reconstruction/drainage; new sidewalk design/construction to include better drainage; elevated tank raising; water main replacements for sustainability; elevated tank painting for better sustainability; sanitary sewer cleaning; utility upgrades/efficiency regarding public street lights; local roads and bridge assessments to ensure sustainability. Basic premise is to increase resilience of infrastructure and critical facilities which also includes the establishment of public rain gardens as well.								
Status Description:								
-	-	Completed	All	1, 2, 3, 7, 9, 12	Matteson	\$20,000.00; High	Some Local Government Resources. Seeking Cook County, State, and Federal Grants	Completed
Action M2.2—STRENGTHEN BUILDING AND ZONING CODES – impacts of natural hazards on future land uses; integrate hazard mitigation policies; strengthen land-use planning efforts; reduce natural hazard risk and vulnerability to potentially isolated populations.								
Status Description:								
O		Ongoing	All	2, 4, 10, 12	Matteson	Low	Some Local Government Resources. Cook County	Short-term
Action M2.3—72-HOUR SELF SUFFICIENCY – increase Matteson capacity to handle hazards and related crisis within its own government immediately and strengthen intergovernmental agreements and cooperation during and after hazards as well. Specifics increasing local capacity through all phases of emergency management; increase resilience; improve systems that provide early warnings; establish new partnerships and strengthen existing partnerships.								
Status Description:								
O		Ongoing	All	1, 2, 5, 8	Matteson	\$50,000; Medium	Local Government Resources. Cook County, State, and Federal Grants	Short-term
Action M2.4—ENHANCE TORNADO WARNING PROTOCOL – help minimize disruption of Matteson government operations; improve early warning systems and emergency response communications; enhance partnerships regarding warning protocol.								
Status Description:								
O		Ongoing	All	1, 5, 8	Matteson	\$100,000; Medium	Local Government Resources. Cook County, State and Federal Grants	Short-term
Action M2.5—PROVIDE SHELTER FACILITIES - working alongside early warning program; established partnerships with other governments and communities; reduce loss of injury/save lives.								
Status Description:								

-	-	Completed	All	5, 8, 12	Matteson and Township	\$500,000; High	Local Government Resources. Cook County, State, and Federal Grants. Foundation Grants	Completed
Action M2.6 —DEVELOP EVACUATION PLAN - working alongside early warning program; established partnerships with other governments and communities; reduce loss of injury/save lives.								
Status Description:								
-	-	Completed	All	5, 8, 12	Matteson and Township	\$100,000; Medium	Local Government Resources. Cook County, State, and Federal Grants. Foundation Grants	Completed
Action M2.7 —DEVELOP POST-DISASTER RECOVERY PLAN - utilizing resilience of critical facilities; development, improvements, and protection of early warning and post warning systems; utilizing good data; establishment of good partnerships with neighboring communities and other governments; encouragement of natural environment mitigation efforts.								
Status Description:								
-	-	Completed	All	2, 5, 6, 8, 13	Matteson and Township	\$100,000; Medium	Local Government Resources. Cook County, State, and Federal Grants. Foundation Grants	Completed
Action M2.8 —DEVELOP PUBLIC EDUCATION PROGRAMS – Although it would be most helpful to have all planning programs in place prior to outreach and education, its crucial to involve residents and businesses with what keeps them safe. Outreach and education include posting information on Village Website; discussions about private rain gardens; keeping your home safe with proactive measures. Education programs will involve village hazard mitigation policies; early warning systems; utilizing the best data available and technologies to educate public; partnership identifications with other governments, agencies, and communities and where to seek help while in a disaster; education about codes and land use within the area; and encourage residents and businesses as to when and how to mitigate hazards regarding their own properties.								
Status Description:								
-	-	Completed	All	4, 5, 6, 8, 10, 11, 13	Matteson	\$150,000	Local Government Resources. Cook County, State, and Federal Grants. Foundation and Education Grants	Completed
Action M2.9 —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	Matteson	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action M2.10 —Continue to support the county-wide actions identified in Cook County's Hazardous Mitigation plan.								
Status Description:								
O		Ongoing	All	All	Matteson	Low	General Fund	Short- and long-term
Action M2.11 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description:								
O		Ongoing	All	3, 4, 6	DHSEM Matteson	Low	General Fund	Short-term
Action M2.12 —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.								
Status Description:								
O		Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Matteson	Low	General Fund	Long-term

Action M2.13—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	All	4, 6, 9	Matteson	Low	General Fund	Short-term and ongoing
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Action M2.14—Where feasible, implement a program to record high water marks following high-water events.

Status Description:

O		Ongoing	Flooding, Severe Weather	3, 6, 9	Matteson	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
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Action M2.15—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	Engineering Division, Economic Development, Community Development, Public Affairs, and Public Works Departments	Low	General Fund	Short-term
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Action M2.16—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	Public Works	High	CIP component of general fund (if implemented)	Long-term
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Action M2.17—Demolition has been complete regarding the properties located at Lincoln Mall. There is now vacant land on 90% of the property. Vacant land allows for additional drainage within the community. Much of property will be turned into green space

Status Description:

O		Ongoing	Flood	7, 12, 13	Matteson	TBD	TBD	Long-term
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Action M2.18—Project compliance with MWRD Watershed Management Ordinance Article 8, Inflow & Infiltration Control Program (IICP) for the sanitary sewers owned by Matteson. In July of 2014 MWRD enacted the new IICP. (Project not previously identified in 2016 report).

Status Description:

O		Ongoing	Flood	2, 12, 13	Matteson and MWRD	High	MWRD	Short-term
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Action M2.19—Historical Old Mitigation, Storm Mitigation Project

Status Description:

O		New	Flood, Lightning, Hail, Fog, High Wind, Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Widespread Power Outage	1, 2, 3, 4, 7	TBD	\$2,000,000	TBD	2025
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(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.

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.