

6 Glencoe 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 Hazel Ave, the underpass, Skokie Heights, and parts of Sheridan Road.

Extreme Heat: Elderly residents and patrons at Glencoe Beach are vulnerable to extreme heat.

Extreme Cold: Similar to extreme heat, elderly residents are vulnerable to extreme cold.

Wind/Tornado: While no tornados have touched down, severe wind events have impacted the area.

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: No significant weather events for 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?

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) |
|---|-------------|-------------|--|-------------------------|--------------------|----------------|-------------------------------|--|
| Actions G1.1 —Forestry Department routine tree trimming/removal operations. | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | Severe Weather, Severe Winter Weather, Tornado | 1, 2 | Public Works | \$150,000 | General Fund | Annual |
| Actions G1.2 —Develop/Maintain Stormwater CIP. | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | Flooding | 1, 2, 3, 9 | Public Works | \$4.8 million | Bonds | Ongoing, Short-term |
| Actions G1.3 —Continue Street Department routine street sweeping operations. | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | Flooding | 1, 2, 9 | Public Works | \$80,000 | General Fund | Annual |
| Actions G1.4 —Stormwater retention on new residential development. | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | Flooding | 1, 2, 3, 4, 9, 10 | Public Works | \$10,000 | Impact Fees | Ongoing |
| Actions G1.5 —Residential Guide to Stormwater Management. | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | Flooding | 1, 2, 3, 4, 6, 8, 9, 13 | Public Works | \$1,000 | General Fund | Ongoing, Short-term |
| Actions G1.6 —Erosion control on natural land stormwater passages (ravines & streams). | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | Flooding | 1, 2, 3, 9 | Public Works | \$20,000 | General Fund | Ongoing, Short-term |
| Actions G1.7 —Village Website as notification and information tool. | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | All Hazards | 5, 6 | Admin | \$2,500 | General Fund | Ongoing |
| Actions G1.8 —Tornado Warning Siren. | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | Tornado, Severe Weather | 5, 6 | PS | \$2,500 | General Fund | Annual |
| Actions G1.9 —Annual All Hazard Plan exercise. | | | | | | | | |
| Status Description: | | | | | | | | |
| - | - | Completed | All Hazard | 1, 2, 3, 5, 6, 8 | PS | \$500 | General Fund | Completed |
| Actions G1.10 —Mass Notification Systems (Rave Alert). | | | | | | | | |
| Status Description: | | | | | | | | |
| - | - | Completed | All Hazards | 5, 6 | PS | \$7,500 | General Fund | Completed |
| Actions G1.11 —Public Asset vulnerability assessments. | | | | | | | | |
| Status Description: | | | | | | | | |
| - | - | Completed | All Hazards | 1, 2, 3, 4, 5, 6 | PS | \$2,500 | General Fund | Completed |
| Actions G1.12 —Com Ed System Hardening Actions. | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | All | 1, 2, 5, 6 | Com Ed | \$0 | N/A | Ongoing |
| Action G1.13 —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 | Village of Glencoe | High | FEMA Hazard Mitigation Grants | Long-term (depending on funding) |

| | | | | | | | | |
|---|--|---------|----------|-----------------|---------------------------|--------------|--------------|------------------------|
| Action G1.14 —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: | | | | | | | | |
| O | | Ongoing | Flooding | 4, 6, 9 | Village of Glencoe | Low | General Fund | Short-term and ongoing |
| Action G1.15 —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 | Village of Glencoe | Low | General Fund | Short-term |
| Action G1.16 —Continue to support the countywide actions identified in this plan. | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | All | All | Village of Glencoe | Low | General Fund | Short- and Long-term |
| Action G1.17 —Actively participate in the plan maintenance strategy identified in this plan. | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | All | 3, 4, 6 | DHSEM, Village of Glencoe | Low | General Fund | Short-term |
| Action G1.18 —Target hardening of the Village Water Plant. | | | | | | | | |
| Status Description: | | | | | | | | |
| O | | Ongoing | Flood | 9 | TBD | TBD | TBD | Ongoing |
| Action G1.19 —Add security cameras to Glencoe Train Station. | | | | | | | | |
| Status Description: | | | | | | | | |
| C | | Ongoing | TBD | 2 | TBD | TBD | TBD | In Progress |
| Action G1.20 —Add security cameras to strategic locations throughout the Glencoe Business District. | | | | | | | | |
| Status Description: | | | | | | | | |
| C | | Ongoing | TBD | 2 | TBD | TBD | TBD | Completed |
| Action G1.21 —Transition the Village of Glencoe's Emergency Mass Notification System from Everbridge to Rave Alert. | | | | | | | | |
| Status Description: | | | | | | | | |
| C | | New | All | 5, 6 | Glencoe Public Safety | \$1,800; Low | Local Funds | Completed |
| (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.

In 2021, cameras were installed in the Village of Glencoe's historic commuter train station. The train station has been an unattended facility since ticketing agent service was discontinued a few years ago. Adding video cameras provides the Public Safety Department with the ability to monitor the station remotely. Cameras have helped deter some vandalism and identify perpetrators of vandalism that did occur. Cameras also help monitor for fires and other hazards.

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.

6.1 Action G1.22

| | |
|---|--|
| Mitigation Action | Storm Sewer Drainage Improvement |
| Year Initiated | 2021 |
| Applicable Jurisdiction | Village of Glencoe |
| Lead Agency/Organization | Glencoe Public Works |
| Supporting Agencies/Organizations | - |
| Applicable Goal | <ul style="list-style-type: none"> • Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects. • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events. • Promote public understanding of and support for hazard mitigation. |
| Potential Funding Source | Local Funds |
| Estimated Cost | \$1,880,000 |
| Benefits (loss avoided) | This project will eliminate significant flooding during moderate to heavy rainfall events. |
| Projected Completion Date | 2022 |
| Priority and Level of Importance (Low, Medium, High) | Medium Priority |
| Benefit Analysis (Low, Medium, High) | High—Project will provide an immediate reduction of risk exposure for life and property. |
| Cost Analysis (Low, Medium, High) | Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program. |
| Actual Completion Date | |

Recommended Mitigation Action/Implementation Plan and Project Description

| | |
|--|--|
| Action/Implementation Plan and Project Description: | This project will eliminate significant flooding from three street locations during moderate to heavy rainfall events. The areas are Washington Place, west end of Park Ave/South Ave, and Sunset Ln west of Vernon Ave. |
|--|--|

Mitigation Action and Project Maintenance

| Year | Status | Comments |
|------|--------|----------|
| 2019 | | |
| 2020 | | |
| 2021 | New | |
| 2022 | | |
| 2023 | | |

Mitigated Hazards

| All Hazards | |
|--------------------|--|
| | Dam/Levee Failure |
| | Drought |
| | Earthquake |
| X | Flood |
| | Extreme Heat |
| | Lightning |
| | Hail |
| | Fog |
| | High Wind |
| | Snow |
| | Blizzard |
| | Extreme Cold |
| | Ice Storms |
| | Tornado |
| | Epidemic or pandemic |
| | Nuclear Power Plant Incident |
| | Widespread Power Outage |
| | Coastal Erosion |
| | Secondary Impacts from Mass Influx of Evacuees |
| | Hazardous Materials Incident |

6.2 Action G1.23

| | |
|---|--|
| Mitigation Action | Sanitary Sewer System |
| Year Initiated | 2021 |
| Applicable Jurisdiction | Village of Glencoe |
| Lead Agency/Organization | Glencoe Public Works |
| Supporting Agencies/Organizations | - |
| Applicable Goal | Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events. Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards. Promote public understanding of and support for hazard mitigation. |
| Potential Funding Source | Local Funds |
| Estimated Cost | \$320,000 |
| Benefits (loss avoided) | Sanitary System Improvements |
| Projected Completion Date | 2022 |
| Priority and Level of Importance (Low, Medium, High) | Medium Priority |
| Benefit Analysis (Low, Medium, High) | Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property. |
| Cost Analysis (Low, Medium, High) | Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program. |
| Actual Completion Date | |

Recommended Mitigation Action/Implementation Plan and Project Description

| | |
|--|---|
| Action/Implementation Plan and Project Description: | We are continuing improvements to the sanitary sewer system in 2022. These improvements are targeted to reduce basement backups during rainfall events. |
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Mitigation Action and Project Maintenance

| Year | Status | Comments |
|------|--------|----------|
| 2019 | | |
| 2020 | | |
| 2021 | New | |
| 2022 | | |
| 2023 | | |

Mitigated Hazards

| All Hazards | |
|--------------------|--|
| | Dam/Levee Failure |
| | Drought |
| | Earthquake |
| X | Flood |
| | Extreme Heat |
| | Lightning |
| | Hail |
| | Fog |
| | High Wind |
| | Snow |
| | Blizzard |
| | Extreme Cold |
| | Ice Storms |
| | Tornado |
| | Epidemic or pandemic |
| | Nuclear Power Plant Incident |
| | Widespread Power Outage |
| | Coastal Erosion |
| | Secondary Impacts from Mass Influx of Evacuees |
| | Hazardous Materials Incident |