

6 Western Springs 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: The southwest part of the Village - specifically portions of the Ridgewood, Springdale and Forest Hills subdivisions - is vulnerable to flooding. In 2010, 2015, 2017, 2020 and 2021 very heavy rain fell across much of north central Cook County producing widespread flooding and flash flooding in the affected areas. Numerous homes were surrounded by flood waters with water damage, inundating the the lower level of the structure or in some cases the first floor. Numerous vehicles were submerged or floating in flood waters, many were a total loss. Areas that suffered some of the most widespread flooding and extensive damage included Western Springs.

High Winds: Previously, the Village has experienced loss of power due to high winds, exposing key Village operations (that do not have 24/7 generator power) to impacts. In 2013, winds were estimated to near 70 mph caused extensive tree damage in the communities of Western Springs, La Grange, and Riverside. Extensive tree damage was reported along the railroad. A six inch diameter tree was blown down at 55th Street and La Grange Road. A six inch diameter tree limb was blown down on the 2300 block of 1st Avenue. Multiple lanes were blocked.

Snow: The Village has experienced the impacts of snow at the major route to two hospitals. The heavy snow delays emergency vehicles to calls and ambulances to hospitals.

Blizzards: The Village's elderly population would likely be homebound in the event of a blizzard.

Extreme Cold: Similar to the impacts of high winds, previously, the Village has experienced loss of power due to extreme cold, exposing key Village operations (that do not have 24/7 generator power). In 2008, very cold air spread across northern Illinois starting on December 21st and continuing through December 25th. Low temperatures dropped to 5 below to 10 below zero on the 21st and 22nd, and were in the low single digits on the 23rd, 24th and 25th. One person died due to cold exposure in Western Springs.

Ice Storms: See High Winds narrative.

Tornado: Small-tightly built community so tornado would have huge impact on life safety as well as business interruption.

Earthquake: The tightly built nature of the community could yield extensive damage if an earthquake happens.

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: A rain storm event occurred on 06/26/21 that impacted the Springdale subdivision at Howard Avenue and Franklin Avenue and portions of the Ridgewood subdivision on Ridgewood Drive and Longmeadow Drive. The storm resulted in street flood and basement flooding as a result of overland flow inundation and backup through the sanitary sewer system.

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

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 W2.1—Tornado and Severe Weather Siren								
Status Description:								
2020: Tornado sirens for the Village were recently upgrade or replaced.								
Completed		Ongoing	Tornado, Severe Weather	5, 6	Emergency Management	\$10,000, Low	Operating Budget and Grant Fun	Annual, Short-term
Action W2.2—Public Education								
Status Description:								
-	-	Completed	Severe Weather hazards	2, 6	Emergency Management	Low	Operating Budget	Completed
Action W2.3—Emergency Power								
Status Description:								
2021: Design for a generator for the water treatment plant is ongoing and is anticipated for completion in 2022. The Village installed a new generator for Well #4.								
2020: The Village has coordinated on multiple efforts to improve power reliability at several of its critical facilities. The Village is installing a generator at one of its three distribution wells. A fourth well is under construction and will include a transfer switch and hook up to allow for a portable generator configuration. Site constraints made a permanent installation unfeasible.								
The Village has also applied for a state grant to install a generator at its Water Treatment facility.								
		Ongoing	All	1, 2, 5	Fire Department	\$100,000, High	Grant Funding	Long-term
Action W2.4—Snow Removal Equipment Enhancement								
Status Description:								
2020: Ongoing with no substantial changes at this time.								
Ongoing		Ongoing	Winter Weather	1, 3	Public Works	\$10,000, Low	Operating Budget and Grant Funding	Annual, Long-term
Action W2.5—Fire and Building Code								
Status Description:								
Ongoing		Ongoing	All	3, 4, 10	Community Development and Fire Department	\$3,000, Low	Operating Budget	Short-term
Action W2.6—Emergency Notification								
Status Description:								
Ongoing		Ongoing	All	5, 6	Law Enforcement	\$2,000, Low	Operating Budget	Annual, Short-term
Action W2.7—Village Water Management Plans								

Status Description:								
2021: Emergency response plan has been completed and is anticipating additional revision in 2022.								
2020:The Village is currently completing an emergency response and critical facilities plan for its potable water infrastructure. The plan is anticipated to be completed in the first half of 2021.								
Ongoing		Ongoing	Flood	3, 4, 12, 13	TBD	Medium	TBD	TBD
Action W2.8 —Village Emergency Operations Plans								
Status Description:								
Ongoing		Ongoing	All	1, 4	TBD	High	Grants	TBD
Action W2.9 —Sewer Maintenance and Storm Preparations								
Status Description:								
2022: The Village is beginning design for storm water improvements at various locations within the community, however construction funding is currently not available. The enhancement project with MWRD funds identified in 2020 is anticipated to begin construction 2022. A new storm sewer outfall located near Spring Rock Park for portions of Basin 3 of the combined sewer areas is anticipated to go online in early 2022.								
2020: The Village has completed three storm water studies for portions of the community negatively affected by storm water. Costs at this time require significant capital improvement investment and the Village is currently investigating avenues of funding.								
The Village has received grant funds from the Metropolitan Water Reclamation District (MWRD) for combined sewer separation and enhancements for a project in the Village scheduled for 2021.								
Ongoing		Ongoing	Flood, Severe Weather	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13	TBD	Low	TBD	TBD
Action W2.10 —Provide emergency generators for the Water Plant and Headquarters Fire Station								
Status Description:								
2021: Grant was awarded. Design is ongoing with construction anticipated in 2022.								
2020:The Village has applied for a state grant for a generator for the Water Treatment Plan. Status of the grant is still pending.								
Ongoing		New	Earthquake, Flood, High Wind, Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Widespread Power Outage	2	Municipal Services	\$1,500,000; High	Grants	2023
Action W2.11 —Construct Old Town South Combined Sewer Separation								
Status Description:								
2022: IDOT letting is anticipated for April 2022.								
2020: Village was awarded a grant from MWRD for sewer separation and the project is currently under design with anticipated construction in 2021/22.								
Ongoing		New	Flood	2, 9	MWRD	\$1,000,000	MWRD	Unknown
(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.