

6 Orland Hills 2021 MJ-HMP Jurisdictional Annual Report

Primary Point of Contact

Brian O'Neill, Village Administrator
16033 S. 94th Avenue
Orland Hills, IL 60487-4623
Telephone: 708-349-6666
Email Address: boneill@orlandhills.org

Alternate Point of Contact

Michael Blaha, Police Chief
16033 S. 94th Avenue
Orland Hills, IL. 60487-4623
Telephone: 708-349-4434
Email Address: mblaha@orlandhillspolice.org

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 Stormwater Channel System through town is subject to erosion causing it to be less effective. In addition, some areas in town are too flat causing stormwater to flood many backyards. The MWRDGC improved the Lake Lorin outfall channel to 88th Avenue with native vegetation. The Village plans to stabilize approx 900' of the Lake Loring shoreline in 2021 with limestone outcroppings. Dredging and installation of an aeration system is also being considered.

Extreme Heat: The Village's vulnerability to the impacts of extreme heat would be mitigated by emergency relocation centers. The Village also needs back up generators as a redundant power source in case this natural hazard occurs.

High Winds: The Village's vulnerability to the impacts of high winds would be mitigated by emergency relocation centers. The Village also needs back up generators as a redundant power source in case this natural hazard occurs.

Blizzards: Build as salt shortage facility at our Public Works building in order to ensure proper inventory in cases of extreme snow and ice events.

Extreme Cold: Given the Village's vulnerability to extreme cold, the community would benefit from burying all overhead power lines so the buildup of ice does not cause them to break and fail.

Ice Storms: Given the Village's vulnerability to ice storms, the community would benefit from burying all overhead power lines so the buildup of ice does not cause them to break and fail.

Tornado: The Village's vulnerability to the impacts of tornadoes would be mitigated by emergency relocation centers. The Village also needs back up generators as a redundant power source in case this natural hazard occurs.

Earthquake: On 4/18/2008 at 09:36:59, a magnitude 5.4 earthquake occurred 217.0 miles away from the city center.

Dam/Levee Failure: N/A

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 2020 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			X = No Action Taken		
C = Project Completed			R = Want Removed from Annex					
2021 Status	2020 Status	2019 Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
Action O6.1 —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: Ongoing subject to funding								
2020: Ongoing subject to funding								
	Ongoing	Ongoing	All	7, 13	Village of Orland Hills	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action O6.2 —Continue to support the countywide actions identified in this plan.								
Status Description: Ongoing								
2020: Ongoing								
	Ongoing	Ongoing	All	All	Village of Orland Hills	Low	General Funds	Short- and long-term
Action O6.3 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description: Ongoing								
2020: Ongoing								
	Ongoing	Ongoing	All	3, 4, 6	DHSEM, Village of Orland Hills	Low	General Funds	Short-term
Action O6.4 —Maintain participation in incentive-based programs such as the Community Rating System (CRS), Tree City, and StormReady.								
Status Description: Ongoing								
2020: Ongoing								
	Ongoing	Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village of Orland Hills	Low	General Funds	Long-term
Action O6.5 —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: Ongoing								
2020: Ongoing								
Ongoing		Ongoing	Flooding	4, 6, 9	Village of Orland Hills	Low	General Funds	Short- and long-term
Action O6.6 —Where feasible, implement a program to record high water marks following high-water events.								
Status Description: Ongoing								
2020: Ongoing								
Ongoing		Ongoing	Flooding, Severe Weather	3, 6, 9	Village of Orland Hills	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action O6.7 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								

Status Description: Ongoing								
2020: Ongoing								
Ongoing		Ongoing	All	3, 4, 6, 10, 13	Village of Orland Hills	Low	General Funds	Short-term
Action O6.8 —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:Ongoing								
2020: Ongoing								
Ongoing		Ongoing	All	1, 2, 7	Public Works	High	CIP component of general fund (if implemented)	Long-term
Action O6.9 —Improve sirens.								
Status Description: Ongoing subject to funding								
2020: Ongoing subject to funding								
Ongoing		Ongoing	Tornado, Severe Weather	1, 3, 5, 8	Orland Fire Protection District and Village	High	FEMA	Short-term
Action O6.10 —Improve flood control structures.								
Status Description: ongoing subject to funding								
2020: Ongoing subject to funding								
Ongoing		Ongoing	Flooding, Severe Weather	1, 8, 9	Metropolitan Water Reclamation District	High	FEMA	Long-term
Action O6.11 —Install backup generators at all village facilities								
Status Description: ongoing subject to funding								
2020: Ongoing subject to funding								
Ongoing		New	Earthquake, Flood, Extreme Heat, Lightning, Hail, Fog, High Wind, Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Epidemic or Pandemic, Widespread Power Outage, Secondary Impacts from Mass Influx of Evacuees	1, 2	Orland Hills	\$1,000,000; High	Unknown	Unknown
Action O6.12 - Install new underground drainage system along with one or more lift stations to mitigate flooding.								
Status Description: ongoing subject to funding								
2020: Ongoing subject to funding								
Ongoing		New	Flood	1, 2, 7, 9	Orland Hills	\$2,000,000; High	Unknown	Unknown
Action O6.13 - Replace current HMP Village parking lot with porous material.								
Status Description: ongoing subject to funding								
2020: Ongoing subject to funding								
Ongoing		New	Earthquake, Flood, Hail, Snow, Blizzard, Extreme Cold, Ice Storms	3, 13	Orland Hills	\$2,000,000; High	Unknown	Unknown

Action O6.14 - Replace existing overhead power lines to underground.								
Status Description: ongoing subject to funding								
2020: Ongoing subject to funding								
Ongoing		New	Earthquake, Lightning, Hail, Fog, High Wind, Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Epidemic or pandemic, Widespread Power Outage	1, 2, 3, 7	Orland Hills	\$2,000,000; High	Unknown	Unknown
Action O6.15 - Construct a salt storage facility in order to ensure proper inventory of snow removal supplies.								
Status Description: ongoing subject to funding								
2020: Ongoing subject to funding								
Ongoing		New	Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Hazardous Materials Incident	13	Orland Hills	\$500,000; High	Unknown	Unknown
Action O6.16 - Streambank Stabilization & Flood Control Project along Tinley Creek.								
Status Description: Complete								
2020: Ongoing								
Ongoing		New	Dam/Levee Failure, Flood	2, 7, 9	MWRD	\$664,000; High	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.