

6 Dixmoor 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.

Dam/Levee Failure: The Village has experienced minimal issues pertaining to Water Dam/Levee Failure. There is no Dam/Levee within corporate boundaries.

Flood: The Village of Dixmoor has been susceptible to flooding along the Little Calumet River on the northside of the Corporate boundaries. In addition, there has been flooding within many residential properties in the past during heavy rainfall accumulation.

Extreme Heat: The potential negative impacts extreme heat events could cause the Village should be addressed based on circumstances/as needed.

Lightning: The potential negative impacts lightning could cause the Village should be addressed based on circumstances/as needed.

Hail: The potential negative impacts hail could cause the Village should be addressed based on circumstances/as needed.

Fog: The potential negative impacts fog could cause the Village should be addressed based on circumstances/as needed.

High Winds: Due to the Village's aging infrastructure, high winds play a factor with the electrical grid causing power outages which impacts the residential village stakeholders negatively.

Earthquake: The potential negative impacts earthquake could cause the Village should be addressed based on circumstances/as needed.

Drought: The potential negative impacts a drought could cause the Village should be addressed based on circumstances/as needed.

Snow: Previously, heavy snowfall has impacted the Village, due to lack of snow removal resources.

Blizzards: Previously, blizzards have impacted the Village, due to lack of snow removal resources.

Extreme Cold: The potential negative impacts extreme cold events could cause the Village should be addressed based on circumstances/as needed.

Ice Storms: Due to the Village's aging infrastructure, ice storms play a factor with the electrical grid causing power outages

Tornado: A tornado would devastate all of the Village's resources to mitigate a hazard in the community.

Hazardous Materials Incident: Although incidents of severe magnitude are not overly frequent, they have happened in Dixmoor in the past. For example, a hazardous materials response was called to Rhodia's Dixmoor plant in 2011 after sulfur in an outdoor storage tank caught fire. The incident caused residential evacuations in one of the South suburban areas of the Village.

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: On October 16, 2021, the Village experienced a Village-wide loss of water service. The Village was placed on a boil order until water service was fully restored on October 3, 2021. Although this was not a natural hazard event, it highlighted the inadequacy of the Village's water distribution system, and how the Village could be at risk of another system-wide failure if an event such as a tornado, earthquake, or extreme cold were

to occur.

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 D4.1 —Educate property owners about flood mitigation techniques including using outreach activities to facilitate technical assistance program that address measures that citizens can take or facilitate funding for mitigation measures. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | Flood, Severe Weather | 1, 12 | City | Low | Local, Grant | Short-term |
| Action D4.2 —Improve stormwater drainage capacity by increasing the capacity of the City's storm sewer drainage system | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | Flood, Severe Weather | 1, 2, 9, 13 | City | High | CIP, MWRD Phase II, FEMA Grant | Long-term |
| Action D4.3 —Assess vulnerability to severe wind using GIS to map areas that are at risk to the wind hazard associated with straight-line wind conditions. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | Severe Weather | 3, 4, 10 | City | High | General Revenue | Short-term |
| Action D4.4 —Incorporate a GIS system/management plan for tracking permitting, land use patterns, tracking hazard data, and mapping risk for various hazards. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | Multi-hazard | 3, 4, 10 | City | Medium | General Revenue | Short-term |
| Action D4.5 —Working with Cook County Sheriffs Department to set up system for tracking. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | Multi-hazard | 8, 12, 13 | City | TBD | Local Funds | Long-term |
| Action D4.6 —Protect infrastructure and critical facilities from damage by engineering and/or retrofitting roads to withstand hazards. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | Multi-hazard | 1, 2, 9, 13 | City | High | CIP, General Revenue, FEMA Grants | Long-term |
| Action D4.7 —Improve sewer capacity for stormwater and snowmelt by separating the combined sewer system. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | Flood, Severe Weather, Severe Winter Weather | 1, 2, 9, 13 | City, MWRD | High | IEPA, Grants | Ongoing |

| | | | | | | | | |
|---|--|---------|---|------------------------------|---------------------------------------|-------------------|--|----------------------------------|
| Action D4.8 —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 | | Ongoing | All | 7, 13 | City | High | FEMA Hazard Mitigation Grants, Local Contribution | Long-term (depending on funding) |
| Action D4.9 —Continue to support the countywide actions identified in this plan. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | All | All | City | Low | General Fund | Short- and long-term |
| Action D4.10 —Actively participate in the plan maintenance strategy identified in this plan. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | All | 3, 4, 6 | DHSEM, City | Low | General Fund | Short-term |
| Action D4.11 —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | All | 3, 4, 5, 6, 7, 9, 10, 11, 13 | City | Low | General Fund | Long-term |
| Action D4.12 —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 | | Ongoing | Flooding | 4, 6, 9 | City | Low | General Fund | Short- and long-term |
| Action D4.13 —Where feasible, implement a program to record high water marks following high-water events. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | Flooding, Severe Weather | 3, 6, 9 | City | Medium | General Fund; FEMA Grant Funds (Public Assistance) | Long-term |
| Action D4.14 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | All | 3, 4, 6, 10, 13 | Consultant Acting as Village Engineer | Low | General Fund | Short-term |
| Action D4.15 —Northeast storm water project, enclosed drainage system, detention pond, and green infrastructure. | | | | | | | | |
| Status Description: | | | | | | | | |
| Ongoing | | Ongoing | Flood, Hail, High Wind, Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Widespread Power Outage, Hazardous Materials Release | 9, 13 | Village of Dixmoor | \$3,000,000; High | MWRD/Cook County | 2022 |
| (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.