

6 South Chicago 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: In the Village, 30th Street, Chicago Road, East End Ave., and Sauk Trail are flood-prone.

Extreme Heat: The Village's senior center (3140 Enterprise Park Ave) serves as a cooling center, but does not have a generator. Also, Village Hall (3317 Chicago Road) does not have a generator.

Extreme Cold: The Pumphouse on State St. needs a generator (operated manually). The Village's senior center (3140 Enterprise Park Ave) serves as a cooling center, but does not have a generator. Also, Village Hall (3317 Chicago Road) does not have a generator.

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 S6.1 —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:								
-	-	Complete	All	7, 13	Village	High	FEMA Hazard Mitigation Grants	Completed
Action S6.2 —Continue to support the countywide actions identified in this plan.								
Status Description:								
Ongoing	Ongoing	Ongoing	All	All	Village	Low	General Fund	Short- and long-term
Action S6.3 —Actively participate in the plan maintenance strategy identified in this plan.								
Status Description:								
Ongoing	Ongoing	Ongoing	All	3, 4, 6	EMRS, Village	Low	General Fund	Short-term
Action S6.4 —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.								
Status Description:								
Ongoing	Ongoing	Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village	Low	General Fund	Long-term
Action S6.5 —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	Ongoing	Ongoing	Flooding	4, 6, 9	Building Department	Low	General Fund	Short-term and ongoing
Action S6.6 —Where feasible, implement a program to record high water marks following high-water events.								
Status Description:								
Ongoing	Ongoing	Ongoing	Flooding, Severe Weather	3, 6, 9	Village	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action S6.7 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.								
Status Description:								
Ongoing	Ongoing	Ongoing	All	3, 4, 6, 10, 13	Village	Low	General Fund	Short-term
Action S6.8 —Weather related impact of Village infrastructure.								
Status Description:								
Ongoing	Ongoing	Ongoing	Dam/Levee Failure, Flood	1, 2, 3, 7	Village	TBD	Grants, Local Funds	Ongoing
Action S6.9 —Roads are needed to get people and goods from place to place. In addition to planning for traffic control during floods, there are various construction and placement factors to consider when building roads.								
Status Description:								
New	New	New	Dam/Levee Failure, Flood	1, 2, 3	Village	TBD; High	Grants	TBD
Action S6.10 —Provide a public education program to inform residents about mitigation measures and means for them to protect themselves and their property during a flood.								
Status Description:								
New	New	New	All	6, 12	Village	TBD; Low	Grants, Local Funds	Ongoing
Action S6.11 —Land with structures may be purchased by and titled in the name of a local governing body that can remove structures and enforce permanent restrictions on development.								
Status Description:								
New	New	New	All	3, 4, 7, 10	Village	TBD; High	Grants, Local Funds	TBD
Action S6.12 —Storm Drainage Systems								
Status Description:								

New	New	New	Dam/Levee Failure, Flood	1, 9	Village	TBD; High	Grants, Local Funds, Others as identified	Ongoing
Action S6.13—Drainage System Maintenance								
Status Description:								
Ongoing	Ongoing	New	Dam/Levee Failure, Flood	1, 9	Village	TBD; Medium	Grants, Local Funds, Others as identified	Ongoing
Action S6.14—Multi-Jurisdiction Cooperation Within Watershed								
Status Description:								
New	New	New	All	1, 8, 9	Village	TBD; Low	Local Funds, Grants	TBD
Action S6.15—Post-Disaster Recovery Ordinance								
Status Description:								
New	New	New	All	1, 3, 4, 10	Village	TBD; Low	Local Funds	TBD
Action S6.16—Back-up Generators								
Status Description:								
New	New	New	All	2, 12	Village	TBD; Medium	Grants, Local Funds	TBD
Action S6.17—Basement Backflow Prevention								
Status Description:								
New	New	New	Dam/Levee Failure, Flood	3, 10	Village	TBD; High	Grants, Local Funds, Others as identified	TBD
Action S6.18—SCADA Equipment Upgrades								
Status Description:								
New	-	-	All Hazards	1, 2, 3, 4, 5	Public Works Department	High	Drinking Water State Revolving Fund (SRF)	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.

6.1 Action S6.18

Mitigation Action	SCADA Equipment Upgrades
Year Initiated	2021
Applicable Jurisdiction	Village of Schaumburg
Lead Agency/Organization	South Chicago Heights
Supporting Agencies/Organizations	Public Works Department
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. • Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards. • Develop, promote, and integrate mitigation action plans.
Potential Funding Source	Drinking Water State Revolving Fund
Estimated Cost	-
Benefits (loss avoided)	Once complete, it will improve the water system's reliability for area residents and businesses in the Village of South Chicago Heights
Projected Completion Date	2022
Priority and Level of Importance (Low, Medium, High)	High 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)	High—Existing funding will not cover the cost of the project; implementation would require new revenue through an alternative source (for example, bonds, grants, and fee increases).
Actual Completion Date	-

Recommended Mitigation Action/Implementation Plan and Project Description

Action/Implementation Plan and Project Description:	<p>Construction of the SCADA Upgrades at the main pump station, three elevated tanks, and lift station at the Village of South Chicago Heights were financed by the Drinking Water State Revolving Fund (SRF). The SRF program is administered by the Illinois Environmental Protection Agency and receives a portion of its money to fund these types of projects from the U.S. Environmental Protection Agency. This project includes:</p> <ul style="list-style-type: none"> - Replacing obsolete programmable logic controllers (PLCs) at the existing pump station and elevated tanks - Replacing obsolete radio communication system between the SCADA sites with a private cellular network - Replacing three obsolete variable frequency drives (VFDs) located at the main pump station - Installing a PLC at the lift station and integrating the lift station into the SCADA system - Replacing the existing SCADA computer and software with new hardware/software and redeveloping the SCADA system graphics. <p>Once complete, it will improve the water system's reliability for area residents and businesses in the Village of South Chicago Heights by utilizing state-of-the-art equipment. SRF programs operate in each state to provide communities the resources necessary to build, maintain, and improve the infrastructure that protects one of our most valuable resources: water.</p>
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Mitigation Action and Project Maintenance

Year	Status	Comments
2019		
2020		
2021	New	
2022		
2023		

Mitigated Hazards

X	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
	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