6 Blue Island 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.

Flooding/Flash Flooding: The City of Blue Island has experienced multiple incidences of urban and flash flooding. Most of Blue Island is located in either moderate or high urban flooding susceptibility zones. During past incidences, flooding has been reported in places like the left lane of Interstate 57 near mile marker 351. Flooding in numerous structures along the Cal-Sag Channel has prompted the City to invest in mitigation of this hazard.

Thunderstorm Wind: Blue Island has experienced numerous thunderstorm wind events throughout the village. Impacts have included damage to property (particularly in the industrial areas of the village), trees, and power lines.

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 B9.1—	SCADA (supervi	sory control and	data acquisition) s	system upgrades	and installation of	f new water meter	rs.			
Status Description:										
Ongoing	Ongoing	Ongoing	Drought	1, 2, 4, 7, 9	Water Department, Public Works	\$4,000,000; Medium	Local, CDBG	Short-term		
Action B9.2—Construction of new pump station, reservoirs, values and water mains.										
Status Description:										
Ongoing	Ongoing	Ongoing	Drought, Flood	1, 2, 4, 7, 9	Water Department, Public Works	\$40,000,000; High	Local, CDBG, EPA	Long-term		
Action B9.3—HTH Inspections for seismic integrity.										
Status Descri	ption:									
-	-	Removed	Earthquake	1, 2, 6	Local	\$100,000; Medium	Local	Removed		
Action B9.4 —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 Descri	ption:									
Ongoing	Ongoing	Ongoing	All	1, 2, 4, 7, 9	Water Department, Public Works, Engineering	High	Local, FEMA Hazard Mitigation Grants	Long-term		
Action B9.5—	Comprehensive	study of drought \	/ulnerability.							
Status Descri	ption:									
Ongoing	Ongoing	Ongoing	Drought	3, 4, 6, 8	Water Department, Public Works, Engineering	\$45,000; Medium	Local	Short-term		
Action B9.6—	GIS mapping of	critical infrastructo	ure.							
Status Descri	ption:									
-	-	Completed	All	3, 4, 5, 6, 7, 9, 10, 12	Planning Engineering	Medium	Local, CDBG	Completed		
Action B9.7—	Flood impact stu	dy.								
Status Descri	ption:									
Ongoing	Ongoing	Ongoing	Flood	1, 4, 6, 10	Engineering	\$90,000; Medium	MWRD, Flood Prevention Program	Short-term		
Action B9.8—	Installation of se	parate storm sew	er system to repl	ace current comb	ined-sewer service	ce within the City.				
Status Descri	ption:									
Ongoing	Ongoing	Ongoing	Flood, Severe Weather	1, 2, 9	Water Department	\$50,000,000; High	MWRD Phase II. CDBG-DR, FEMA Mitigation Grants	Long-term		
Action B9.9—	Perform a Comm	nunity Risk Asses	ssment critical fac	cilities and infrast	ructure.					
Status Descri	ption:									
Ongoing	Ongoing	Ongoing	All	3, 4, 5, 6, 8, 10, 11	Planning, Engineering	\$50,000	Local, DHSEM	Short-term		
Action B9.10—Update the City's flood damage prevention ordinance. Consider adoption of IDNR model ordinance for the Cook County region.										
Status Descri	ption:									
Ongoing	Ongoing	Ongoing	Flood	2, 3, 10, 13	Building and Planning	Low	Local	Short-term		
Action B9.11—Continue to support the countywide actions identified in this plan.										
Status Descri	ption:									
-	-	Completed	All	All	City of Blue Island	Low	General Fund	Completed		
Action B9.12-	-Actively particip	ate in the plan ma	aintenance strate	gy identified in this	s plan.					

Status Description:									
-	-	Completed	All	3, 4, 6	DHSEM, City of Blue Island	Low	General Fund	Completed	
Action B9.13—Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing and adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.									
Status Description:									
-	-	Completed	Flooding	4, 6, 9	Building and Planning Department	Low	General Fund	Completed	
Action B9.14—Where feasible, implement a program to record high water marks following high-water events.									
Status Descri	ption:								
-	-	Completed	Flooding, Severe Weather	3, 6, 9	City of Blue Island	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Completed	
Action B9.15—Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.									
Status Descri	ption:								
-	-	Completed	All	3, 4, 6, 10, 13	Planning, Engineering	Low	General Fund	Completed	
Action B9.16—Hold bi-annual meeting to discuss and update hazard mitigation plan.									
Status Descri	ption:								
Ongoing	Ongoing	New	All	3, 4, 5, 8, 10, 11	City of Blue Island	\$2,500 per year; Low	Local Municipal Funds	Ongoing	
Action B9.17—Flood Control for the Washing Street Area.									
Status Description:									
Ongoing	Ongoing	New	Flood	2, 9	MWRD	Unknown	Local and Regional Agencies, Grants	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.