6 Phoenix 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.

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:

July 29, 2021: We had an overnight severe thunderstorm that produce wind damage across the Chicago metro and South Suburban area.

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)

infrastructure projects. Some other mitigation efforts include: sewer lining and smoke testing for combined sewer overflow; street reconstruction/drainage; new sidewalk design/construction to include better drainage; elevated tank raising; water main replacements for sustainability; elevated tank painting for better sustainability; sanitary sewer cleaning; utility upgrades/efficiency regarding public street lights; local roads and bridge assessments to ensure sustainability. Basic premise is to increase resilience of infrastructure and critical facilities which also includes the establishment of public rain gardens as **Status Description:** Some Local Government Resources, 1, 2, 3, 7, 9, \$10,000,000; Ongoing Ongoing Ongoing ΑII Phoenix Seeking Cook Long-term High 12 County, State, and Federal Grants Action P7.2—STRENGTHEN BUILDING AND ZONING CODES - impacts of natural hazards on future land uses; integrate hazard mitigation policies; strengthen land-use planning efforts; reduce natural hazard risk and vulnerability to potentially isolated populations. **Status Description:** Some Local Government ΑII 2, 4, 10, 12 Phoenix Low Short-term Ongoing Ongoing Ongoing Resources, Cook County Action P7.3—72-HOUR SELF SUFFICIENCY - increase Phoenix capacity to handle hazards and related crisis within its own government immediately and strengthen intergovernmental agreements and cooperation during and after hazards as well. Specifics increasing local capacity through all phases of emergency management; increase resilience; improve systems that provide early warnings; establish new partnerships and strengthen existing partnerships. **Status Description:** Local Government Resources. \$50.000: Ongoing Ongoing Ongoing ΑII 1, 2, 5, 8 Phoenix Cook Short-term Medium County, State, and Federal Grants Action P7.4—ENHANCE TORNADO WARNING PROTOCOL - help minimize disruption of Phoenix government operations; Improve early warning systems and emergency response communications; enhance partnerships regarding warning protocol. **Status Description:** Local Government \$100,000; Resources, Ongoing Ongoing Ongoing ΑII 1, 5, 8 Phoenix Short-term Cook County, Medium State, and Federal Grants Action P7.5—PROVIDE SHELTER FACILITIES - working alongside early warning program; established partnerships with other governments and communities; reduce loss of injury/save lives. **Status Description:** Local Government Resources, Cook County, \$500.000: Ongoing Ongoing Ongoing Αll 5, 8, 12 Phoenix, and Township State, and Long-term High Federal Grants. Foundation Grants Action P7.6—DEVELOP EVACUATION PLAN - working alongside early warning program; established partnerships with other governments and communities; reduce loss of injury/save lives. **Status Description:** Local Government Resources, Cook County, \$100,000; Ongoing Ongoing Ongoing Αll 5, 8, 12 Phoenix, and Township State, and Short-term Medium Federal Grants. Foundation Grants

Action P7.1—IMPROVE PUBLIC INFRASTRUCTURE regarding mitigation of floods and other hazards with specific concentrations on water/sewer

Status Desc	cription:							
Ongoing	Ongoing	Ongoing	All	2, 5, 6, 8, 13	Phoenix and Township	\$100,000; Medium	Local Government Resources, Cook County, State, and Federal Grants. Foundation Grants	Short-term
education, it Website; dis policies; earl agencies, ar	s crucial to invocussions about y warning system of communities	volve resident ut private rain stems; utilizing es and where	s and busines gardens; kee g the best data to seek help w	ses with what ke ping your home : a available and te	ugh it would be most helpful to le eps them safe. Outreach and e safe with proactive measures. E echnologies to educate public; par; education about codes and la wn properties.	education include Education program partnership identil	posting informati ms will involve vill fications with other	on on Village age hazard mitigation or governments,
Status Desc	cription:							
Ongoing	Ongoing	Ongoing	All	4, 5, 6, 8, 10, 11, 13	Phoenix	\$150,000	Local Government Resources, Cook County, State, and Federal Grants, Foundation, and Education Grants	Short-term
			ort retrofitting, petitive losses		ocation of structures in hazard-	prone areas to p	revent future stru	cture damage. Give
Status Desc	ription:		<u> </u>					
Ongoing	Ongoing	Ongoing	All	7, 13	Phoenix	High	FEMA Hazard Mitigation Grants	Long- term(depending or funding)
		o support the	countywide a	ctions identified i	n this plan.			
Status Desc	cription:					1	1	
Ongoing	Ongoing	Ongoing	All	All	Phoenix	Low	General Fund	Short- and Long- term
Action P7.1	1—Actively pa	articipate in th	e plan mainter	nance strategy id	entified in this plan.			
Status Desc	cription:							
Ongoing	Ongoing	Ongoing	All	3, 4, 6	DHSEM, Phoenix	Low	General Fund	Short-term
Action P7.1	2 —Consider բ	participation in	incentive-bas	sed programs su	ich as the Community Rating S	ystem, Tree City	, and StormRead	y .
Status Desc	cription:							
Ongoing	Ongoing	Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Phoenix	Low	General Fund	Long-term
Ongoing	3 —Maintain g	ams include e	nforcing an ac		rance Program by implementing lage prevention ordinance, parti acts.			
Action P7.13								
Action P7.13	ance and info							
Action P7.13 requirements public assist	ance and info	Ongoing	Flooding	4, 6, 9	Phoenix	Low	General Fund	Short-term and ongoing
Action P7.1: requirements public assist Status Desc Ongoing	ance and info	Ongoing			Phoenix vater marks following high-water		General Fund	
Action P7.1: requirements public assist Status Desc Ongoing	ance and info	Ongoing					General Fund	

Ongoing	Ongoing	Ongoing	All	3, 4, 6, 10, 13	Engineering Division,Economic Development, Community Development, Public Affairs, and Public Works Departments	Low	General Fund	Short-term
	Action P7.16—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 Desc	Status Description:							
Ongoing	Ongoing	Ongoing	All	1, 2, 7	Public Works	High	CIP component of general fund (if implemented)	Long-term
Action P7.1	Action P7.17—Storm Sewer Assessment							
Status Desc	Status Description:							
Ongoing	Ongoing	New	Flood, Ice Storm	1, 2, 3, 4, 10	DPW	\$150,000; High	No funding available	12-16 mo. post award
Action P7.18	Action P7.18—Flood Hazard Mitigation study							
Status Desc	Status Description:							
New	-	-	Flood	1, 2, 3, 4, 5, 6	Metropolitan Water Reclamation District	0	Grants	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.

Received grant funds to repair water valves and sidewalks.

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.

Will be pursuing flood mitigation studies and working with MWRD and the Donahue Group to help mitigate flood prone areas.

6.1 Action P7.18

Mitigation Action	Flood Hazard Mitigation study		
Year Initiated	2021		
Applicable Jurisdiction	Village of Phoenix		
Lead Agency/Organization	Metropolitan Water Reclamation District		
Supporting Agencies/Organizations	Donohue Group		
Applicable Goal	 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. Promote public understanding of and support for hazard mitigation. 		
Potential Funding Source	Grants		
Estimated Cost	0		
Benefits (loss avoided)	Avoid losses to residents personal belongings and saved construction costs.		
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)	Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.		
Actual Completion Date	-		

Recommended Mitigation Action/Implementation Plan and Project Description					
Action/Implementation Plan and Project Description:	Project will include rain collection and man hole inspections among other testing.				

Mitigation Action and Project Maintenance				
Year	Status	Comments		
2019				
2020				
2021	New			
2022				
2023				

	Mitigated Hazards
	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
X	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