

**COOK COUNTY
MULTI-JURISDICTIONAL
HAZARD MITIGATION PLAN
VOLUME 2 - Municipal Annexes**

Mount Prospect Annex

FINAL

July 2019

Prepared for:



Cook County
Department of Homeland Security and Emergency Management
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Hazard Mitigation Point of Contact

Primary Point of Contact	Alternate Point of Contact
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Jurisdiction Profile

The following is a summary of key information about the jurisdiction and its history:

- Date of Incorporation: 1917
- Current Population: 54,198 as of 2018 US Census population estimate.
- Population Growth: The Village of Mount Prospect has experienced a relatively flat growth rate with no significant change in population from 2010 to 2018.
- Location and Description: The Village of Mount Prospect is a suburb 22 miles northwest from downtown Chicago. It is bordered by Prospect Heights to the north, I-90 and Elk Grove Village to the south, Des Plaines to the east and Arlington Heights to the west. The center of town is at the intersection of US Route 14 and Illinois Route 83. The Union Pacific Northwest rail lines run through the center of town. There is a Metra train station at 11 E Northwest Hwy. Mount Prospect has a land area of 10.37 square miles.
- Brief History: The original inhabitants of the area that encompasses Mount Prospect today were Native Americans. Yankees were the first American settlers to the area, but they were the second group. German immigrants had the most significant impact in terms of population and cultural traditions. In 1850, the train rolled into town. This led to an increasing specialization in the farming community. Not long after the train station was built, others began building stores and houses downtown and made the Village of Mount Prospect come to life. In 1917, Mount Prospect reached a population of 300 and was incorporated. From there, the largest growth came during land speculations in the 1920s and then the suburban movements that followed World War II. The baby boom expanded the population and the Village began expanding the services it offered. In the early 1960s, the business community in Mount Prospect took a leap forward with the construction of Randhurst, the first indoor air-conditioned mall in the upper Midwest. Another major event was the development of Kensington Business Center, which has been the home to national and international firms including NTN Bearing, Searle, Braun Manufacturing Cummins-Allison Corp., and ITT Technical Institute. In the 1990s and 2000s attention was turned to downtown redevelopment.
- Climate: Mount Prospect's climate is typical of suburban Chicago and the Midwest in general. Average rainfall is 32 inches per year and average snowfall is 24 inches. The average year round temperature is 48.2 degrees. In July the average high temperature is 83 degrees and in January the average low temperature is 11 degrees. The average humidity is 72.27%
- Governing Body Format: The Village of Mount Prospect is governed by a Village President and a 6 member Board of Trustees. This body will assume the responsibility for the adoption and implementation of this plan. The Village consists of six departments: Community Development, Finance, Human Services, Fire, Police and Public Works. The Village has 12 committees and commissions that report to the Village Board.
- Development Trends: The Village continues to see significant development activity in the commercial sector including the recent redevelopment of Randhurst Village (1,000,000 square foot regional center), expansion efforts by national retailers such as Walmart and Menards, and the refurbishing of Mount Prospect Plaza (300,000 square feet). The industrial/office sector has not increased development but United Airlines and CVS/Caremark recently constructed two large facilities in the Village. UAL constructed a 200,000 square foot data center that will serve their entire international operations. CVS occupied a 175,000 square foot facility to operate

their mail order prescription services. After a 5-year lull in residential construction activity, the Village has issued permits for two multi-family projects in the downtown district. In addition, a 92-unit senior independent living facility is under construction and is scheduled to be complete by mid-2014. As of 2019, there are many current projects in Mount Prospect including 2 senior housing developments, gas station, industrial and commercial development, rowhomes and luxury apartments.

Capability Assessment

The assessment of the jurisdiction’s legal and regulatory capabilities is presented in the *Legal and Regulatory Capability Table* below. The assessment of the jurisdiction’s fiscal capabilities is presented in the *Fiscal Capability Table* below. The assessment of the jurisdiction’s administrative and technical capabilities is presented in the *Administrative and Technical Capability Table* below. Information on the community’s National Flood Insurance Program (NFIP) compliance is presented in the *National Flood Insurance Program Compliance Table* below. Classifications under various community mitigation programs are presented in the *Community Classifications Table* below.

TABLE: LEGAL AND REGULATORY CAPABILITY					
	Local Authority	State or Federal Prohibitions	Other Jurisdictional Authority	State Mandated	Comments
Codes, Ordinances & Requirements					
Building Code	Yes	No	No	Yes	Chapter 21, 2013
Zonings	Yes	No	No	Yes	Chapter 14, 1993
Subdivisions	Yes	No	No	No	Chapter 15, 2002
Stormwater Management	Yes	No	Yes	Yes	State regulates industrial activity from Construction sites 1 acre or larger under section 402 CWA. Chapter 16, 2002
Post Disaster Recovery	No	No	No	No	
Real Estate Disclosure	Yes	No	Yes	Yes	(765 ILCS 77/) Residential Real Property Disclosure Act. Chapter 8, 2001
Growth Management	No	No	No	No	
Site Plan Review	Yes	No	No	No	Chapter 15, 2002
Public Health and Safety	Yes	No	No	No	Chapter 19, 1957
Environmental Protection	Yes	No	No	No	Chapter 16, 2002
Planning Documents					
General or Comprehensive Plan	Yes	No	No	No	
<i>Is the plan equipped to provide linkage to this mitigation plan?</i>					Yes, plan include land use and redevelopment components.
Floodplain or Basin Plan	Yes	No	No	No	9/20/2011
Stormwater Plan	Yes	No	Yes	No	Regional stormwater impacts are managed by MWRD. The Village lies within the Des Plaines River watershed planning area of MWRD’s

					comprehensive Stormwater Master Planning Program 12/9/2006
Capital Improvement Plan	Yes	No	No	No	7/16/13 - 5 year CIP
<i>What types of capital facilities does the plan address?</i>					Water and sanitary sewers, flood control, streets, public buildings and equipment.
<i>How often is the plan revised/updated?</i>					Annually
Habitat Conservation Plan	No	No	No	No	
Economic Development Plan	Yes	No	Yes	Yes	The Economic Development Commission is charged with reviewing all economic development related programs and incentives including tax incentives offered through the Cook County 6b program. 6/5/07
Shoreline Management Plan	No	No	No	No	
Response/Recovery Planning					
Comprehensive Emergency Management Plan	No	No	Yes	Yes	Cook County DHSEM
Threat and Hazard Identification and Risk Assessment	No	No	Yes	No	Cook County DHSEM Preparing THIRA
Terrorism Plan	No	No	Yes	Yes	Cook County DHSEM
Post-Disaster Recovery Plan	No	No	No	No	
Continuity of Operations Plan	No	No	Yes	No	Cook County DHSEM
Public Health Plans	No	No	Yes	No	Cook County DPH

TABLE: FISCAL CAPABILITY

Financial Resources	Accessible or Eligible to Use?
Community Development Block Grants	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	Yes
Incur Debt through General Obligation Bonds	Yes
Incur Debt through Special Tax Bonds	Yes
Incur Debt through Private Activity Bonds	Yes
Withhold Public Expenditures in Hazard-Prone Areas	Yes
State Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	Yes
Other	Yes

TABLE: ADMINISTRATIVE AND TECHNICAL CAPABILITY

Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Community Development/ Director Public Works/ Village Engineer
Engineers or professionals trained in building or infrastructure construction practices	Yes	Public Works/ Village Engineer Community Development/ Building Commissioner
Planners or engineers with an understanding of natural hazards	Yes	Public Works/ Village Engineer
Staff with training in benefit/cost analysis	Yes	Finance Department/Director
Surveyors	No	
Personnel skilled or trained in GIS applications	Yes	Cook County GIS Consortium
Scientist familiar with natural hazards in local area	No	
Emergency manager	Yes	Fire Department/ Fire Chief
Grant writers	Yes	Community Development/ Director

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Public Works
Who is your jurisdiction's floodplain administrator? (department/position)	Public Works/Village Engineer
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	5/21/02, updated 9/20/11
When was the most recent Community Assistance Visit or Community Assistance Contact?	3/30/1999
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, please state what they are.	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction? (If no, please state why)	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program? If so, what type of assistance/training is needed?	No
Does your jurisdiction participate in the Community Rating System (CRS)? If so, is your jurisdiction seeking to improve its CRS Classification? If not, is your jurisdiction interested in joining the CRS program?	Yes/ No

TABLE: COMMUNITY CLASSIFICATIONS			
	Participating?	Classification	Date Classified
Community Rating System	Yes	6	2018
Building Code Effectiveness Grading Schedule	Yes	4/3	2013
Public Protection/ISO	Yes	2	2009
StormReady	Yes	Gold (countywide)	2014
Tree City USA	Yes	N/A	2013

Jurisdiction-Specific Natural Hazard Event

The information provided below was solicited from the jurisdiction and supported by NOAA and other relevant data sources.

The *Natural Hazard Events Table* lists all past occurrences of natural hazards within the jurisdiction.

- Repetitive flood loss records are as follows: Number of FEMA-Identified Repetitive Loss Properties: 14
- Number of FEMA-Identified Severe Repetitive Loss Properties: 0
- Number of Repetitive Flood Loss/Severe Repetitive Loss Properties That Have Been Mitigated: 0

Type of Event	FEMA Disaster Number (if applicable)	Date	Preliminary Damage Assessment
Hail	-	7/7/2017	-
Severe Weather	-	6/22/2016	-
Lightning	-	4/9/2015	\$50,000 in property damage.
Wind	-	7/19/2013	-
Flood	DR-4116	4/18/2013	\$240,000
Flood	-	7/23/2011	-
Wind	-	7/11/2011	\$380,000
Tornado	-	6/21/2011	-
Winter Storm	DR-1960	2/1/2011	\$200,000
Flood	DR-1800	9/13/2008	-
Flood	-	5/22/2008	-
Flood/Wind	DR-1729	8/23/2007	\$1,210,000
Wind	-	8/1/2003	-
Wind	-	7/21/2003	-
Wind	-	5/11/2003	-
Wind	-	6/12/2001	-
Wind	-	8/6/2000	-
Wind	-	5/18/2000	-
Wind	-	4/10/2000	-
Wind	-	11/10/1998	-
Wind	-	8/24/1998	-
Wind	-	5/28/1998	-
Wind	-	9/29/1997	-
Wind	-	10/29/1996	-
Winter Storm/Snow	-	12/1994	-
Winter Storm/Ice	-	1/1994	-
Wind	-	8/30/1993	-

Wind	-	7/2/1992	-
Wind	-	6/17/1992	-
Flood	-	8/1987	-
Flood	DR-776	10/1986	-

Jurisdiction-Specific Hazards and Impacts

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: Levee 37: Potential for failure of levee wall and pump system. The northeast section of our community is most vulnerable if a failure would occur.

Flood: We experience localized flooding throughout the Village, especially in the unincorporated subdivision, Forest River, near Kensington and River Roads under the jurisdiction of Cook County and Wheeling Township (but Mount Prospect Fire Dept. responds to emergencies). In particular, the Des Plains River flooding limits our ability to evacuate and receive resources from the East.

Tornado and High Winds: Wind events are prevalent in the area and our overhead power lines are vulnerable.

Snow: Our overhead power lines are vulnerable. [15.8% of the population is 65 years or older](#) and this population has an increased vulnerability to extreme weather, particularly winter storms.

Blizzards: Our overhead power lines are vulnerable.

Ice Storms: Our overhead power lines are vulnerable.

Hazard Risk Ranking

The *Hazard Risk Ranking Table* below presents the ranking of the hazards of concern. Hazard area extent and location maps are included at the end of this chapter. These maps are based on the best available data at the time of the preparation of this plan, and are considered to be adequate for planning purposes.

Rank	Hazard Type	Risk Rating Score (Probability x Impact)
1	Severe Weather	54
2	Severe Winter Weather	54
3	Earthquake	32
4	Tornado	27
5	Flood	16
6	Drought	2
7	Dam Failure	0

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. In this section, mitigation actions/projects were updated/amended, identified, evaluated, and prioritized. This section is organized as follows:

- New Mitigation Actions - New actions identified during this 2019 update process
- Ongoing Mitigation Actions - Ongoing actions with no definitive end or that are still in progress. During the 2019 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed.
- Completed Mitigation Actions - An archive of all identified and completed projects, including completed actions since 2014.

The *Hazard Mitigation Action Plan Matrix Table* below lists the actions that make up the jurisdiction’s hazard mitigation plan. The *Mitigation Strategy Priority Schedule Table* identifies the priority for each action.

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX						
Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
Action M9.1 —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.						
Ongoing	Flooding	4, 6, 9	Public Works	Low	Local	Short-term and Ongoing
Action M9.2 —Continue to maintain or enhance the Village’s CRS Classification.						
Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village	Low	Local	Ongoing
Action M9.3 —Complete construction of Levee 37.						
Completed	Flood	1, 2, 8, 9, 12	US Army Corps	\$2,500,000; High	Federal	Completed
Action M9.4 —Purchase emergency generator for Village water well.						
Completed	Multi-Hazard	1, 2	Village	\$575,000; Medium	Local	Completed
Action M9.5 —Continue Creek Bank Stabilization Program.						
Ongoing	Flood	1, 2, 9, 12	Village	\$25,000; Low	Local	Short-term Ongoing
Action M9.6 —Continue Creek Tree Trimming Program.						

Ongoing	Flood, Severe Weather, Tornado	1, 2, 9, 12	Village	\$25,000; Low	Local	Short-term Ongoing
Action M9.7 —Continue yearly Creek Inspection Program.						
Ongoing	Flood	1, 2, 9, 12	Village	Low	Local	Short-term Ongoing
Action M9.8 —Continue yearly Detention Pond Maintenance Program.						
Ongoing	Flood	1, 2, 9, 12	Village	\$100,000; Low	Local	Short-term Ongoing
Action M9.9 —Inspect Village warning sirens and review need for replacements.						
Ongoing	Tornado	5	Village	\$90,000; Medium	Local	Short-term
Action M9.10 —Develop a Debris Management Plan.						
Ongoing	Multi-Hazard	1	Village	Low	Local	Short-term
Action M9.11 —Continue providing Community Preparedness Guide on Village Web page and in Village Newsletter annually.						
Ongoing	Multi-Hazard	1, 2, 5, 6, 8, 12	Village	Low	Local	Short-term
Action M9.12 —Conduct New Town Subdivision Storm Drainage Analysis.						
Completed	Flood	1, 2, 3, 6, 9	Village	High	Local	Completed
Action M9.13 —Complete Catalpa Lane Area Drainage Improvements.						
Completed	Flood	1, 2, 9, 12	Village	\$145,000	HMGP and PDM Grants and Local	Completed
Action M9.14 —Complete Park Drive Area Drainage Improvements.						
Completed	Flood	1, 2, 9, 12	Village	\$185,000	HMGP and PDM Grants and Local	Completed
Action M9.15 —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.						
Ongoing	All	7, 13	Village	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action M9.16 —Continue to support the countywide actions identified in this plan.						
Ongoing	All	All	Village	Low	Local	Short- and Long-term
Action M9.17 —Actively participate in the plan maintenance strategy identified in this plan.						
Ongoing	All	3, 4, 6	DHSEM, Village	Low	Local	Short-term
Action M9.18 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.						
Ongoing	All	3, 4, 6, 10, 13	Village	Low	Local	Short-term

Action M9.19 —Increase pumping capacity of Levee 37 pump stations.						
Ongoing	TBD	TBD	TBD	TBD	TBD	TBD
Action M9.20 —Increase size storm sewers tributary to Levee 37 pumping stations and provide storm water detention.						
Ongoing	TBD	TBD	TBD	TBD	TBD	TBD
Action M9.21 —Conduct a Floodplain Study of Higgins Creek.						
New	Flood	3, 4, 13	Mount Prospect Public Works	\$75,000; Medium	Capital Improvement Program/PDM	2020
Action M9.22 —Begin Stormwater Storage construction in Mount Prospect.						
New	Flood	2, 3, 9, 11	MWRD	\$2,000,000; High	MWRD and Local	TBD
(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.						

Action Number	Number of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/Budgets?	Priority (a)
1	3	Medium	Low	Yes	No	Yes	High
2	9	Medium	Low	Yes	No	Yes	High
3	5	High	High	Yes	No	Yes	High
4	2	Medium	Low	Yes	No	Yes	High
5	4	High	Low	Yes	No	Yes	High
6	4	High	Low	Yes	No	Yes	High
7	4	High	Low	Yes	No	Yes	High
8	4	High	Low	Yes	No	Yes	High
9	1	Low	Low	Yes	No	Possibly	Medium
10	1	Low	Low	Yes	No	No	Medium
11	6	High	Low	Yes	No	Yes	High
12	5	Medium	Medium	Yes	No	No	Medium
13	4	High	High	Yes	Yes	No	Medium
14	4	High	High	Yes	Yes	No	Medium
15	2	High	High	Yes	Yes	No	Medium
16	13	Medium	Low	Yes	No	Yes	High
17	3	Medium	Low	Yes	Yes	Yes	High
18	5	Medium	Low	Yes	No	Yes	High
19	TBD	TBD	TBD	TBD	TBD	TBD	TBD
20	TBD	TBD	TBD	TBD	TBD	TBD	TBD

21	3	Medium	Medium	Yes	Yes	Unknown	High
22	4	High	High	Yes	Yes	Unknown	High

(a) See Chapter 1 for explanation of priorities.

New Mitigation Actions

The following are new mitigation actions created during the 2019 update.

Action M-9.21

Mitigation Action	Conduct a Floodplain Study of Higgins Creek.
Year Initiated	2019
Applicable Jurisdiction	Village of Mount Prospect
Lead Agency/Organization	Mount Prospect Public Works
Supporting Agencies/Organizations	
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 the 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.
Applicable Objective	Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change. Integrate hazard mitigation policies into land use plans in the planning area. Encourage hazard mitigation measures that result in the least adverse effect on the natural environment and that use natural processes.
Potential Funding Source	Capital Improvement Program/PDM
Estimated Cost	\$75,000
Benefits (loss avoided)	Provide better assessment of flood risk hazard, BFE and floodway/floodplain limits, and ability to regulate future development.
Projected Completion Date	2020
Priority and Level of Importance (Low, Medium, High)	High Priority
Benefit Analysis (Low, Medium, High)	Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.
Cost Analysis (Low, Medium, High)	Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.
Actual Completion Date	

Recommended Mitigation Action/Implementation Plan and Project Description

Action/Implementation Plan and Project Description:	Higgins Creek is an unnumbered zone with no defined BFE or floodway/floodplain limits. A portion of Higgins Creek has recently annexed into Mount Prospect.
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Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		
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

Action M-9.22

Mitigation Action	Begin Stormwater Storage construction in Mount Prospect.
Year Initiated	2019
Applicable Jurisdiction	Village of Mount Prospect
Lead Agency/Organization	MWRD
Supporting Agencies/Organizations	Village of Mount Prospect
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 and potential damage from such activities.
Applicable Objective	Increase the resilience of (or protect and maintain) infrastructure and critical facilities. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change. Provide or improve flood protection on a watershed basis with flood control structures and drainage maintenance plans. Encourage hazard mitigation measures that result in the least adverse effect on the natural environment and that use natural processes.
Potential Funding Source	MWRD and Local
Estimated Cost	\$2,000,000; MWRD Contribution: TBD
Benefits (loss avoided)	N/A
Projected Completion Date	TBD
Priority and Level of Importance (Low, Medium, High)	High
Benefit Analysis (Low, Medium, High)	High
Cost Analysis (Low, Medium, High)	High
Actual Completion Date	

Recommended Mitigation Action/Implementation Plan and Project Description	
Action/Implementation Plan and Project Description:	ID: Mount Prospect Contract: 18-IGA-25 Watershed: Lower Des Plaines Location: Mount Prospect, IL Design and construction of two new flood storage basins and upgrade of ancillary storm sewers to provide a cumulative flood storage volume of approximately 30 acre-feet.

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	Drafting intergovernmental agreement.
2020		
2021		
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

Ongoing Mitigation Actions

The following are ongoing actions with no definitive end or that are still in progress. During the 2019 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed.

Action M-9.1

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.1	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: Yes	The Village continues to implement programs.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.2

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.2	Continue to maintain or enhance the Village’s CRS Classification.	
Status Description: Yes	The Village submitted documentation at the 5 year cycle recertification visit. Improved to Class 6 Rating.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.5

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.5	Continue Creek Bank Stabilization Program.	
Status Description: Yes	The Village continues a yearly creek bank stabilization program	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.6

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.6	Continue Creek Tree Trimming Program.	
Status Description: Yes	The Village continues a yearly tree trimming program.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.7

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.7	Continue yearly Creek Inspection Program.	
Status Description: Yes	The Village continues a yearly creek inspection program.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.8

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.8	Continue yearly Detention Pond Maintenance Program.	
Status Description: Yes	The Village continues a yearly detention pond maintenance program.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.9

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.9	Inspect Village warning sirens and review need for replacements.	
Status Description: Yes	Inspection, testing, and maintenance indicate need for replacement.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.10

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.10	Develop a Debris Management Plan.	
Status Description: Yes	The Village created a storm debris management for trees and tree branches following storm events and is working with ARC to include debris cleanup following an emergency event.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.11

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.11	Continue providing Community Preparedness Guide on Village Web page and in Village Newsletter annually.	
Status Description: Yes	The Village continues to make available the Community Preparedness Guide on the Village web page and in the Village newsletter.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.15

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.15	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: Yes	The Village continues to support retrofitting, purchase or relocation of structures in hazard-prone areas. A building permit was issued for retrofitting of a residential home to reduce the chance of flooding.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.16

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.16	Continue to support the countywide actions identified in this plan.	
Status Description: Yes	The Village continues to support the countywide actions.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.17

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.17	Actively participate in the plan maintenance strategy identified in this plan.	
Status Description: Yes	The Village continues to participate in the plan maintenance strategy through this annual progress report.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.18

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.18	Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.	
Status Description: Yes	The Village continues to look for ways to integrate the mitigation plan into other plans, programs or resources.	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.19

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.19	Increase pumping capacity of Levee 37 pump stations.	
Status Description: Yes	The Village is working with the Army Corps and IDNR to secure funding for the project and to initiate the design and construction	O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.20

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.20	Increase size of storm sewers tributary to Levee 37 pumping stations and provide storm water detention.	
Status Description: Yes	Submitted funding request to MWRD and have met with River Trails Park District to coordinate location of detention ponds. Working on Intergovernmental Agreements with the MWRD and the Park District.	O
Completion status legend:		
N = New O = Action Ongoing toward Completion		
C = Project Completed R = Want Removed from Annex X = No Action Taken		

Completed Mitigation Actions

The following section represents completed mitigation actions, and serves as an archive of identified and completed projects

Action M-9.3

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.3	Complete construction of Levee 37.	
Status Description: Yes	All work is now complete.	C
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.4

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.4	Purchase emergency generator for Village water well.	
Status Description: Yes	Generator purchased and installed and operative.	C
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.12

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.12	Conduct New Town Subdivision Storm Drainage Analysis.	
Status Description: Yes	Storm drainage analysis is complete. Continue to work with the Army Corps for opportunities to fund project.	C
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.13

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.13	Complete Catalpa Lane Area Drainage Improvements.	
Status Description: Yes	The Catalpa Lane Area Drainage Improvements were completed this year.	C
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action M-9.14

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# M-9.14	Complete Park Drive Area Drainage Improvements.	
Status Description: Yes	The Park Drive Area Drainage Improvements were completed in 2017.	C
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Future Needs to Better Understand Risk/Vulnerability

None at this time.

Additional Comments

None at this time.

HAZUS-MH Risk Assessment Results

MOUNT PROSPECT EXISTING CONDITIONS	
2010 Population	54,167
Total Assessed Value of Structures and Contents	\$7,812,321,439
Area in 100-Year Floodplain	242.69 acres
Area in 500-Year Floodplain	393.29 acres
Number of Critical Facilities	80

HAZARD EXPOSURE IN MOUNT PROSPECT						
	Number Exposed		Value Exposed to Hazard			% of Total Assessed Value Exposed
	Population	Buildings	Structure	Contents	Total	
Dam Failure						
Buffalo Creek	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #2	0	0	\$0	\$0	\$0	0.00%
Touhy	699	215	\$172,406,000	\$130,710,000	\$303,116,000	3.88%
U. Salt Cr. #3	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #4	0	0	\$0	\$0	\$0	0.00%
Flood						
100-Year	484	149	\$47,297,493	\$32,813,111	\$80,110,605	1.03%
500-Year	1,154	355	\$99,489,207	\$59,424,221	\$158,913,427	2.03%
Tornado						
100-Year	—	—	\$1,446,716,881	\$863,437,744	\$2,310,154,626	29.57%
500-Year	—	—	\$1,567,403,550	\$866,957,697	\$2,434,361,247	31.16%

ESTIMATED PROPERTY DAMAGE VALUES IN MOUNT PROSPECT				
	Estimated Damage Associated with Hazard			% of Total Assessed Value Damaged
	Building	Contents	Total	
Dam Failure				
Buffalo Creek	\$0	\$0	\$0	0.00%
U. Salt Cr. #2	\$0	\$0	\$0	0.00%
Touhy	\$188,000	\$490,000	\$678,000	0.01%
U. Salt Cr. #3	\$0	\$0	\$0	0.00%
U. Salt Cr. #4	\$0	\$0	\$0	0.00%
Earthquake				
1909 Historical Event	\$22,463,893	\$4,608,321	\$27,072,214	0.35%
Flood				

10-Year	\$239,544	\$96,486	\$336,030	0.00%
100-Year	\$5,997,583	\$2,881,310	\$8,878,894	0.11%
500-Year	\$13,851,461	\$6,256,795	\$20,108,256	0.26%
Tornado				
100-Year	\$144,671,688	\$86,343,774	\$231,015,463	2.96%
500-Year	\$228,840,918	\$126,575,824	\$355,416,742	4.55%

Hazard Mapping





