

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

La Grange Park Annex

FINAL

July 2019

Prepared for:



Cook County
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Hazard Mitigation Point of Contact

Primary Point of Contact	Alternate Point of Contact
Dean J. Maggos, Director of Fire, Building, and Emergency Management Address: 447 N. Catherine Ave La Grange Park, IL 60526 Telephone: 708-243-2897 Email: dmaggos@lagrangepark.org	Julia Cedillo, Village Manager Address: 447 N. Catherine Ave La Grange Park, IL 60526 Telephone: 708-579-2370 Email: jcedillo@lagrangepark.org

Jurisdiction Profile

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

- **Date of Incorporation:** 1892
- **Current Population:** 13,296 as of the 2018 US Census population estimate.
- **Population Growth:** The population of the Village of La Grange Park has remained relatively stable from 2010 to 2018. The Village of La Grange Park has no additional land to develop, so any large population swings would most likely come from substantial redevelopment.
- **Location and Description:** The Village of La Grange Park is considered a near-west suburb of Chicago, and located approximately 13 miles from downtown Chicago. U.S. Route 12/20/45 (La Grange Rd.) runs north/south through the center of the Village, and the Village is located just north of U.S. Route 34 (Ogden Ave.), which is nearly centrally located between Interstate 55 (Stevenson Expressway) and Interstate 290 (Eisenhower Expressway). Cook County Forest Preserve borders the north and west ends of the Village, and the Salt Creek runs along the same north and west borders. Adjacent towns that border La Grange Park are: Westchester to the north, Western Springs to the south, Brookfield to the east, and Oakbrook to the west. According to the 2010 census, the village has a total area of 2.23 square miles.
- **Brief History:** The area was initially settled during the mid-1800s by Europeans, with many settling in around 1863, when the Burlington Railroad extended their line into Chicago. Some more followed the Great Chicago Fire in 1871, as some homeless city residents moved west. Five farmers, who had purchased most of the land during that time, did not necessarily desire to form a Village, but realized that the only way to uphold the law was to incorporate and hire their own police force. Over the years, the Village has heightened its commercial resources but still remains a predominantly “bedroom” type community, serviced by a few small commercial areas.
- **Climate:** The Village of La Grange Park’s climate is typical to northeastern Illinois and the Chicago metropolitan area. The area does experience four distinct seasons, with average lows of 17°F in January to average highs of 84°F in July. The proximity of the Village to Lake Michigan does help moderate temperatures to some extent compared to areas further west in northern Illinois. Average precipitation is around 38 inches of rain per year, and average snowfall is around 37 inches.
- **Governing Body Format:** The Village of La Grange Park is governed by a seven member Village Board, which includes one Village President and six Trustees. This body of Government will assume the responsibility for the adoption and implementation of this plan. The Village consists of five main departments: Administration (includes Finance), Building, Fire, Police and Public Works, led overall by a Village Manager. The Park District and Library District are separate governmental entities from the Village.
- **Development Trends:** Anticipated development levels for La Grange Park are currently low, as nearly the entire Village has already been developed. Most of the current development consists of residential redevelopment. There is though substantial effort being made in regards to

commercial revitalization, which could at some point lead to some commercial redevelopment. A Corridor Redevelopment Study was completed in May of 2008 for one of our commercial areas, and a Commercial Revitalization Plan was completed in January of 2013. A new overall Village of La Grange Park Comprehensive Plan was completed in June of 2006. As of 2019, there were a few new businesses opening in La Grange Park, restaurants and retail businesses.

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	No	No	No	No	No. 731 / 08-12-03,
Zonings	No	No	No	No	No. 929 / 01-25-11, No. 1026 / 01-23-18
Subdivisions	No	No	No	No	Section 5 of the zoning code
Stormwater Management	No	No	No	No	No. 801 / 07-26-05, No. 876 / 06-24-08, No. 990 / 06-24-14 (Incorporate Cook County Watershed Management Ordinance)
Post Disaster Recovery	No	No	No	No	
Real Estate Disclosure	No	No	No	No	(765 ILCS 77/) Residential Real Property Disclosure Act.
Growth Management	No	No	No	No	
Site Plan Review	No	No	No	No	Part of Zoning Code No. 929 / 01-25-11
Public Health and Safety	No	No	No	No	Cook County Board of Health. Food Service Sanitation Code Municipal Ord. 675: 03-

					13-01 / Ord. 729 08-12-03.
Environmental Protection	No	No	No	No	Municipal Code Chapter 90 Garbage and Rubbish, and Chapter 93 Health and Sanitation: 08-12-03.
Planning Documents					
General or Comprehensive Plan	No	No	No	No	La Grange Park Comprehensive Plan June 2006
<i>Is the plan equipped to provide linkage to this mitigation plan?</i>					Yes - Land Use
Floodplain or Basin Plan	No	No	No	No	
Stormwater Plan	No	No	No	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, and compliance with Cook County's Watershed Management Ordinance.
Capital Improvement Plan	No	No	No	No	04-23-13
<i>What types of capital facilities does the plan address?</i>					Roads, Buildings, Equipment, Sewer, Water
<i>How often is the plan revised/updated?</i>					Annually
Habitat Conservation Plan	No	No	No	No	
Economic Development Plan	No	No	No	No	Commercial Revitalization Plan 01-22-13
Shoreline Management Plan	No	No	No	No	

Response/Recovery Planning					
Comprehensive Emergency Management Plan	No	No	No	No	Emergency Operations Plan 06- 22-08
Threat and Hazard Identification and Risk Assessment	No	No	No	No	Cook County DHSEM Preparing THIRA
Terrorism Plan	No	No	No	No	Part of Emergency Operations Plan (EOP)
Post-Disaster Recovery Plan	No	No	No	No	Part of EOP
Continuity of Operations Plan	No	No	No	No	Part of EOP
Public Health Plans	No	No	No	No	Cook County Lyons Township Area Mass Dispensing/Vaccination Plan

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	No
Incur Debt through Private Activity Bonds	No
Withhold Public Expenditures in Hazard-Prone Areas	Unknown
State Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	No

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	Assistant Village Manager; Contract Engineering Firm
Engineers or professionals trained in building or infrastructure construction practices	Yes	Building Official; Public Works Director; Contract Engineering Firm; Contract Architectural Firm
Planners or engineers with an understanding of natural hazards	Yes	Contract Engineering Firm
Staff with training in benefit/cost analysis	Yes	Village Manager, Finance Director; Dept. Heads
Surveyors	Yes	Contract Engineering Firm
Personnel skilled or trained in GIS applications	Yes	Cook County GIS Consortium
Scientist familiar with natural hazards in local area	No	Other than those that may be available from other agencies and/or private enterprises if needed
Emergency manager	Yes	Director of Emergency Management, but who is also Fire Chief and Building Commissioner
Grant writers	Yes	Village Manager and Department Heads have all been involved in grant writing to some extent

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Admin; Building
Who is your jurisdiction’s floodplain administrator? (department/position)	Village Manager
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	07-26-05; 06-24-08
When was the most recent Community Assistance Visit or Community Assistance Contact?	Have not received a Community Assistance Visit
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, please state what they are.	None Known

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?	Not specifically, but a review of overall program and requirements could prove beneficial.
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?	No. We are not sure if we wish to join CRS program at this point.

TABLE: COMMUNITY CLASSIFICATIONS			
	Participating?	Classification	Date Classified
Community Rating System	No	N/A	N/A
Building Code Effectiveness Grading Schedule	Yes	Unknown	Unknown
Public Protection/ISO	Yes	3	07-01-19
StormReady	Yes	Gold (Countywide)	2013
Tree City USA	Yes		1987

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: 0
- Number of FEMA-Identified Severe Repetitive Loss Properties: 0
- Number of Repetitive Flood Loss/Severe Repetitive Loss Properties That Have Been Mitigated: 0

TABLE: NATURAL HAZARD EVENTS			
Type of Event	FEMA Disaster Number (if applicable)	Date	Preliminary Damage Assessment
Excessive Cold	-	1/7/2014	-
Severe Storm, Straight Line Winds, Flooding	DR-4116	4/26/2013	\$16,259 PA
Excessive Heat	-	7/7/2012	-
Severe Storms, Flooding	-	7/23/2011	\$1,233 PA / \$6,200
Severe Winter Storm and Snowstorm	DR-1960	1/31/2011	-
Severe Storms, Flooding	DR-1935	7/19/2010	-
Hurricane Katrina Evacuation	EM-3230	9/7/2005	-
Attack on New York City and Pentagon	-	9/1/2001	-
Excessive Heat	-	7/31/1999	-
Severe Storms, Flooding	DR-776	9/21/1986	-
Blizzards, Snowstorms	EM-3068	1/16/1979	-

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.

Flood: The Village experiences two (2) types of floods. Crucially, since the Village's sewer system is 90 percent combined heavy rainfall/short duration causes our system to get surcharged and there is also not enough capacity to move the water. This impacts the low-lying Homestead/Monroe area the most. In the case of flooding along Salt Creek, many communities upstream have their CSOS and stormwater outfalls into Salt Creek. The issue here is that, when the level is high, members of the community worry about homes on Edgewood and Brainard Avenues.

Extreme Heat: When there is extreme heat, the Village's concern is with their older adult demographic (65 or older) which is 21 percent of the Village's total population. If there is extreme heat, the community is concerned about adults/older adults who live alone, especially where there is power loss (no AC).

Lightning: The Village has low to moderate concern for lightning damage to emergency communications and police communications, which has happened before. The Village also has concerns about lightning causing tree limb damage or structure fires, which has also happened.

Hail: Though the Village isn't particularly concerned about the impacts of hail, the hazard could cause enough property damage within the area to destroy communication equipment.

Fog: Previously, the Village has experienced fog that has obscured citizens' line of sight, sometimes causing traffic accidents.

High Winds: The Village has frequently experienced tree limb damage, power loss, and damage to communications infrastructure (antenna) as a result of high winds.

Earthquake: This hazard would most likely be related to the quarries blasting in Countryside/McCook, which has previously occurred in the Village. This natural hazard requires substantial emergency communications. In addition, the damage would impact pipes/plumbing in the homes/structure and other structural issues.

Drought: Droughts would jeopardize the Village's water supply - though this is a natural hazard the Village hasn't experienced. Another risk this hazard poses is a potential forest fire hazard because the community is surrounded by Bemis Woods North, LaGrange Park Woods, Brezina Woods, and 26th Street Woods. (Cook County Forest Preserves).

Snow: Extra volume of emergency response calls from motor vehicle accidents. Heavy wet snow can cause tree limbs to fall which could cause power outages and loss of heat.

Blizzards: Previously, first responders supporting the Village have been burdened by blizzards, inhibiting their ability to aid people on structures in need. In addition, the motoring public becomes stranded, leaving citizens unable to work, or get necessary supplies.

Extreme Cold: Similar to the impacts of extreme heat, the Village's concern is with their older adult demographic (65 or older) which is 21 percent of the Village's total population. If there is extreme cold, the community is concerned about adults/older adults who live alone, especially where there is power loss (no heating).

Ice Storms: The Village has experienced power outages from ice buildup on power lines and loss of heat, increasing traffic accidents.

Tornado: As a result of tornadoes, the Village has experienced widespread power outages, structural damage, impassable roadways due to debris, potential catastrophic injuries, and delay in first responder response times.

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.

TABLE: HAZARD RISK RANKING		
Rank	Hazard Type	Risk Rating Score (Probability x Impact)
1	Severe Weather	48
2	Severe Winter Weather	48
3	Flood	45
4	Tornado	45
5	Earthquake	32
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 L2.1 —Install New Emergency Generator for Village Hall Complex, including Communications Center, and Fire Station 1.						
Completed	All	1, 2, 5	Police	\$200,000; High	FEMA Grant, General Revenue	Completed
Action L2.2 —Implement Downspout Disconnect Program to remove roof rainwater from Village Combined Sewer System.						
Ongoing	Flooding, Severe Weather	3, 9, 11, 13	Building	\$440,000; High	IEPA Illinois Green Infrastructure Grant Program	Main Program Complete, following up on non-compliance
Action L2.3 —Maintain Code RED System, including encouraging residents to register and update information, and ensure Communications Center personnel are trained in using it.						
Ongoing	All	1, 5, 8, 12	Police	\$4,000; Low	ETSB, General Fund	Short-term Annually Ongoing

Action L2.4 —Update the Building and Fire Codes by adopting newer model codes and writing amendments to such codes that correlate to the sections in the model codes.						
Ongoing	All	3, 4, 6, 10	Building, Fire	\$3,000; Low	General Fund	Short-term
Action L2.5 —Update the Emergency Operations Center by purchasing additional equipment such as disaster boxes with supplies, and providing training and information on set-up and operation.						
Ongoing	All	1, 5	Emergency Management Agency (EMA)	\$4,000; Low	General Fund	Short-term Ongoing
Action L2.6 —Encourage the use of Best Management Practices such as promoting the use of rain gardens, rain barrels, and using permeable surfaces.						
Ongoing	Flooding, Severe Weather	3, 4, 13	Building, PW	\$100; Low	General Fund	Short-term Ongoing
Action L2.7 —Promote and possibly provide incentives for the use of plumbing solutions such as installing overhead plumbing and backflow prevention devices.						
Ongoing	Flooding, Severe Weather	4, 9, 11, 13	Building, PW	Low to High	Enterprise Funds	Short-term Ongoing
Action L2.8 —Complete Sewer Separation Projects in targeted areas that are more prone to flooding caused by sewer surcharge.						
Ongoing	Flooding	3, 9	Public Works	4-6 Million per Area; High	Enterprise Funds, Service Areas	Long-term
Action L2.9 —Complete and Distribute Customized Emergency Preparedness Guide specifically for Village residents to include actions for all-hazards, and including shelter and evacuation instructions.						
Ongoing	All	5, 6, 8, 12	EMA	Low	General Fund	Short-term Bi-Annually
Action L2.10 —Conduct Table-Top Exercise to simulate disaster response and test capabilities of Emergency Operations Center.						
Completed	All	1, 5	EMA	Low	General Fund	Completed
Action L2.11 —Install New Emergency Generator at Fire Station 2.						
Completed	All	1, 2, 5	Fire	Medium	General Fund	Completed
Action L2.12 —Pre-position pallets of sandbags and additional salt at Public Works Facility for immediate distribution to residents.						

Ongoing	Flooding, sever winter weather	1, 2, 8	Public Works	Low	General Fund	Short-term Ongoing
Action L2.13 —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	Building	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action L2.14 —Continue to support the countywide actions identified in this plan.						
Ongoing	All	All	La Grange Park	Low	General Fund	Short- and long-term
Action L2.15 —Actively participate in the plan maintenance strategy identified in this plan.						
Ongoing	All	3, 4, 6	DHSEM, La Grange Park	Low	General Revenue	Short-term
Action L2.16 —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	Admin., Building	Low	General Fund	Short-term and Ongoing
Action L2.17 —Consider participation in incentive-based programs such as the Community Rating System, and StormReady.						
Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village of La Grange Park	Low	General Fund	Long-term
Action L2.18 —Produce and Distribute a Resource Guide for Residents on Protection from Hazards and Evacuation						
New	All	6, 12, 13	Village of La Grange Park EMA	\$10,000; Medium	Local Village Funds, Grants	2021
Action L2.19 —Increased radio interoperability through the County's StarCom Radio System - in cooperation with two other towns, LaGrange and Western Springs.						
New	All	5, 6, 8	Village of LaGrange Park	\$1,000,000; High	Grants and Consolidated Dispatch (LTACC)	1.5 years

					Capital Budget	
(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.						

TABLE: MITIGATION STRATEGY PRIORITY SCHEDULE							
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	High	High	Yes	Yes	Yes	High
2	4	High	High	Yes	Yes	Yes	High
3	4	High	Low	Yes	No	Yes	High
4	4	Medium	Low	Yes	No	Yes	High
5	2	High	Low	Yes	Yes	Yes	High
6	3	High	Low	Yes	Yes	Yes	High
7	4	Medium	Medium	Yes	No	No	Medium
8	2	High	High	Yes	Yes	No	Medium
9	4	High	Low	Yes	Yes	Yes	High
10	2	High	Low	Yes	Yes	Yes	High
11	3	High	Medium	Yes	Yes	No	Medium
12	3	Medium	Low	Yes	Yes	Yes	High
13	2	High	High	Yes	Yes	No	Medium
14	13	Medium	Low	Yes	No	Yes	High
15	3	Low	Low	Yes	Yes	Yes	High
16	3	Medium	Low	Yes	No	Yes	High
17	9	Medium	Low	Yes	No	No	Medium
18	3	Medium	Medium	Yes	Yes	Yes	Medium
19	3	High	High	Yes	Yes	Yes	High
(a) See Chapter 1 for explanation of priorities.							

New Mitigation Actions

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

Action L-2.18

Mitigation Action	Produce and Distribute a Resource Guide for Residents on Protection from Hazards and Evacuation
Year Initiated	2020
Applicable Jurisdiction	Village of La Grange Park
Lead Agency/Organization	Village of La Grange Park EMA
Supporting Agencies/Organizations	Village Fire, Police, Public Works, additional...
Applicable Goal	<ul style="list-style-type: none"> • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards. • Promote public understanding of and support for hazard mitigation.
Applicable Objective	<ul style="list-style-type: none"> • Use the best available data, science and technologies to educate the public and to improve understanding of the location and potential impacts of natural hazards, the vulnerability of building types and community development patterns, and the measures needed to protect life safety. • Reduce natural hazard-related risks and vulnerability to potentially isolated populations within 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	Local Village Funds, Grants
Estimated Cost	\$10,000.00
Benefits (loss avoided)	Protect Lives
Projected Completion Date	2021
Priority and Level of Importance (Low, Medium, High)	Medium 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:	A resource guide would be developed with specific details about protective actions that should be taken for various threats to our community. It would guide residents to general resources for proactive approaches, but would include more specific actions to take related to our community's specific hazards. Residents could turn to it in emergencies. It would be in print form to keep in their homes, duplicated on our Village website. One of many examples would be the following. Residents become aware of a train derailment on our freight railroad...1. Where to turn to for direction? 2. I'm told to Protect in Place, what does that mean? 3. They told me to evacuate, where exactly to I go? There would be specific answer for them to have at their finger tips. It would be kind of like converting a lot of information in the county HMP and Village annexes into a small guide designed for use by residents.

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

Action L-2.19

Mitigation Action	Increased radio interoperability through the County's StarCom Radio System - in cooperation with two other towns, LaGrange and Western Springs.
Year Initiated	2019
Applicable Jurisdiction	Village of LaGrange Park
Lead Agency/Organization	Village of LaGrange Park
Supporting Agencies/Organizations	Village of LaGrange Park and Village of Western Springs
Applicable Goal	<ul style="list-style-type: none"> • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards. • Promote public understanding of and support for hazard mitigation.
Applicable Objective	<ul style="list-style-type: none"> • Develop, improve, and protect systems that provide early warnings, emergency response communications, and evacuation procedures. • Use the best available data, science and technologies to educate the public and to improve understanding of the location and potential impacts of natural hazards, the vulnerability of building types and community development patterns, and the measures needed to protect life safety. • Establish partnerships among all levels of local government, the private sector, and/or nongovernmental organizations to improve and implement methods to protect people and property.
Potential Funding Source	Grants and Consolidated Dispatch (LTACC) Capital Budget
Estimated Cost	\$1,000,000
Benefits (loss avoided)	Full operability without loss of radio communication for Police and Fire between neighboring jurisdictions.
Projected Completion Date	1.5 years

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:	

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	Enhance responses of 3 towns in each of the circumstances listed.
2020		
2021		
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

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 L-2.2

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.2	Implement Downspout Disconnection Program to remove roof rainwater from Village Combined Sewer System.	
Status Description: Yes	After the program was suspended due to the state budget issues, it has been going very well with nearly 1400 homes being disconnected. We are conducting one last major push on the program as the funding will expire in October.	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.3

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.3	Maintain Code RED System, including encouraging residents to register and update information, and ensure Communications Center personnel are trained in using it.	
Status Description: Yes	Our Village has now consolidated it's Communications Center with two neighboring Villages, and has consolidated the contract for Code Red under that joint agency. Training is occurring with the employees of the Center and Code Red is being marketed through a Village newsletter, and also on our new Village Website.	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.4

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.4	Update the Building and Fire Codes by adopting newer model codes and writing amendments to such codes that correlate to the sections in the model codes.	
Status Description: Yes	Again, various amendments have been written and are in draft, but the new codes and amendments have not been adopted mostly due to workload and staffing needs in the Building Department.	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.5

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.5	Update the Emergency Operations Center by purchasing additional equipment such as disaster boxes with supplies, and providing training and information on set-up and operation.	
Status Description: Yes	We continued to slowly add and update some supplies in the cage. We also moved some equipment into the actual EOC and organized such as our supply of phones, etc. We also ran a simulation exercise where the EOC was set up with all equipment such as phones and radios in place and utilized.	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.6

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.6	Encourage the use of Best Management Practices such as promoting the use of rain gardens, rain barrels and using permeable surfaces	
Status Description: Yes	This remains a continual process through permitting and education. We have worked with various property owners and our Village engineer to assist with implementation and enforcement.	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.7

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.7	Promote and possibly provides incentives for the use of plumbing solutions such as installing overhead plumbing and backflow prevention devices.	
Status Description: Yes	The Village's Sewer Backup Prevention Program remains in place, where those installing overhead plumbing and backflow prevention devices can get some funding assistance. It is now in its 4th fiscal year.	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.8

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.8	Complete Sewer Separation Projects in targeted areas that are more prone to flooding caused by sewer surcharge.	
Status Description: Yes	No new areas addressed. There have though been some discussions and plans regarding designing a system for one particular area of apparent greatest need to convey rain water from that area to the creek and away from combined system.	X
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.9

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.9	Complete and Distribute Customized Emergency Preparedness Guide specifically for Village residents to include actions for all hazards, and including shelter and evacuation instructions.	
Status Description: No	In the past as noted, a grant was requested but was not funded. We will explore additional grant or funding opportunities at a future date.	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.11

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.11	Install New Emergency Generator at Fire Station 2.	
Status Description: Yes	The generator has been purchased and installed. We are in the midst of the final hook-up to our natural gas supply and awaiting final testing.	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.12

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.12	Pre-position pallets of sandbags and additional salt at Public Works Facility for immediate distribution to residents.	
Status Description: No	We currently have sand and sandbags, approximately 300, stored at Public Works. We originally had sandbags pre-filled, but there were concerns regard degradation of the bags. We still need to probably come up with a regular interval or program to verify if any supplies need to be replaced or updated.	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.13

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.13	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: No	We do not believe specific structures have been identified yet. As such, we will leave this action in place, but may remove it from the matrix at a later date.	X
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.14

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.14	Continue to support the county-wide actions identified in this plan.	
Status Description: Yes		O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.15

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.15	Actively participate in the plan maintenance strategy identified in this plan.	
Status Description: Yes		O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.16

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.16	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	This is ongoing. We believe we are currently in compliance.	O
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.17

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.17	Consider participation in incentive based programs such as the Community Rating System and StormReady.	
Status Description: No	As previously noted, we are already considered a Tree City, but have taken no action in regards to CRS or StormReady, but will continue to evaluate these based upon staffing, and cost/benefit to the Community.	X
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 L-2.1

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.1	Install New Emergency Generator for Village Hall Complex, including Communications Center, and Fire Station 1.	
Status Description: Yes	Project Completed	C
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Action L-2.10

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# L-2.10	Conduct Table-Top Exercise to simulate disaster response and test capabilities of Emergency Operations Center.	
Status Description: Yes	The past February, we conducted a table top simulation involving a large scale fire in a flammable and combustible storage facility in our Village, which required large area evacuations, and included environment runoff concerns, etc. Both Village staff and elected officials participated in the exercise along with personnel from our recently consolidated communications center.	C
<p align="center">Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken</p>		

Future Needs to Better Understand Risk/Vulnerability

No needs have been identified at this time.

Additional Comments

No additional comments at this time

HAZUS-MH Risk Assessment Results

LA GRANGE PARK EXISTING CONDITIONS	
2010 Population	13,579
Total Assessed Value of Structures and Contents	\$2,507,894,837
Area in 100-Year Floodplain	96.98 acres
Area in 500-Year Floodplain	99.07 acres
Number of Critical Facilities	29

HAZARD EXPOSURE IN LA GRANGE PARK						
	Number Exposed		Value Exposed to Hazard		Total	% of Total Assessed Value Exposed
	Population	Buildings	Structure	Contents		
Dam Failure						
Buffalo Creek	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #2	0	0	\$0	\$0	\$0	0.00%
Touhy	0	0	\$0	\$0	\$0	0.00%
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	7	2	\$789,658	\$399,329	\$1,197,987	0.05%

500-Year	7	2	\$789,658	\$399,329	\$1,197,987	0.05%
Tornado						
100-Year	—	—	\$302,264,201	\$158,757,671	\$461,021,872	18.38%
500-Year	—	—	\$1,004,584,805	\$601,209,398	\$1,605,794,203	64.03%

ESTIMATED PROPERTY DAMAGE VALUES IN LA GRANGE PARK				
	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	\$0	\$0	\$0	0.00%
U. Salt Cr. #3	\$0	\$0	\$0	0.00%
U. Salt Cr. #4	\$0	\$0	\$0	0.00%
Earthquake				
1909 Historical Event	\$16,178,435	\$4,135,389	\$20,313,825	0.81%
Flood				
10-Year	\$145,786	\$69,895	\$215,680	0.01%
100-Year	\$0	\$0	\$0	0.00%
500-Year	\$372,192	\$174,195	\$546,388	0.02%

Tornado				
100-Year	\$30,226,420	\$15,875,767	\$46,102,187	1.84%
500-Year	\$146,669,382	\$87,776,572	\$234,445,954	9.35%

Hazard Mapping





