

HENNEPIN COUNTY
MINNESOTA

**2024 HENNEPIN COUNTY
MULTI-JURISDICTIONAL
HAZARD MITIGATION PLAN**

**VOLUME 3
Community Mitigation Strategies**

01 February 2024

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HENNEPIN COUNTY EMERGENCY MANAGEMENT

1600 Prairie Drive, Medina, Minnesota 55304

February 1, 2024

On behalf of Hennepin County Emergency Management (HCEM), we are pleased to present the 2024 Hennepin County Multi-Jurisdictional Hazard Mitigation Plan.

The purpose of this plan is to identify the Counties major hazards, assess the vulnerability, and to reduce risk using a variety of data and best practice measures to implement mitigation projects. This plan identifies goals, objectives, recommended actions, and costs by reviewing and working on initiatives with each county jurisdiction or partner to reduce and/prevent injury and damage from hazardous events. The intent of the Plan is to provide unified guidance for coordinating mitigation efforts prior to or following a major emergency/disaster by implementing an on-going comprehensive county hazard mitigation strategy intended to reduce the impact of loss of life and property due to effects of natural hazards.

Through continued collaboration with each jurisdiction by providing staff expertise, support, training and education opportunities, Hennepin County Emergency Management will continue to increase its resiliency to minimize the effects of natural hazards.

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SECTION 1	MITIGATION STRATEGY, GOALS AND OBJECTIVES
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1.1. INTRODUCTION

The mitigation strategy provides a blueprint for Hennepin County to enhance its resiliency against a wide spectrum of natural hazards. It is based on the efforts of the Planning Team, the findings and conclusions of the Risk Assessment, and input from the public and stakeholders. The mitigation strategy includes hazard mitigation objectives and hazard mitigation actions. The objectives serve as the guiding principles for local future mitigation policy and project administration; actions serve as implemental items that support and provide a way to reach those objectives. The mitigation strategy includes a process for evaluating mitigation actions to ensure actions are feasible based on community capabilities, tied to plan goals, and effective in reducing hazard losses for current and future structures and populations. This section outlines the goals, objectives, and mitigation action evaluation and prioritization process undertaken in Hennepin County. Each jurisdiction provided objectives, actions and prioritization and are included in the Mitigation Action Plan (MAP), which can be found for each jurisdiction located in Section 3: Mitigation Plans

1.2. 2024 HENNEPIN COUNTY HAZARD MITIGATION PLAN GOALS C3a

The plan goals are broad and reflect current needs and priorities of the county. They are intended to reduce long-term vulnerability to all hazards identified in this plan. The 2024 Hennepin County AHMJMP goals were developed by the Mitigation Steering Committee and reviewed by the regional planning working group. The planning team reviewed the goals and opted to keep the goals as written. The mitigation planning goals are listed in **TABLE 1-2A**

TABLE 1-2A Hennepin County Mitigation Goals

Goal Number	Goal
1	Minimize loss of life, injury, and damage to property, the economy, and the environment from natural and man-made hazards.
2	Increase education, outreach, and awareness.
3	Protect natural and cultural resources.
4	Identify areas of greatest impact from hazards.
5	Enhance hazard mitigation coordination and communication with federal, state and local governments.
6	Promote disaster-resistant future development.
7	Build and support local capacity and commitment to become less vulnerable to hazards.
8	Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.
9	Mitigate against the potential impacts of climate change on local communities, the economy, and the environment.
10	Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards.

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SECTION 2	MITIGATION ACTION PLAN
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2.1. SELECTION OF MITIGATION ACTIONS **E2a**

Selected objectives and actions are provided within this volume. This volume is a functional plan for action and is considered to be the most essential part of the mitigation planning process. This volume includes a prioritized listing of proposed hazard mitigation actions (policies and projects) for each participating jurisdiction. Each action includes accompanying information such as the department responsible for completing the action, timeline, and cost estimate.

This volume provides each jurisdiction a description of their plan in implementing mitigation actions providing an opportunity to reduce vulnerability over time. Further, the volume provides a mechanism to monitor progress over time. Each action also considers the benefits and costs of an action, to ensure it is cost effective, which is included in the priority. These actions are reviewed and revised by each municipality, who prioritize these actions based on their own specific needs.

2.2. PRIORITIZATION OF MITIGATION ACTIONS **C5a**

All actions are considered cost-effective including a cost-benefit review for prioritization. In addition, local knowledge or need, may necessitate a change in priority from the guidelines presented for priority below: A priority number scale has been used with 1 being top priority and sequential numbers being less priority. The scale may be limited on the number of identified actions for any objective listed.

- **Low Priority Projects:** Projects that is associated with low or infrequent hazard probability and least likely to prevent loss of life. (Scale 8-10)
- **Medium Priority Projects:** Projects associated with a less probable hazard with potential to save lives or damage to property. (Scale 4-7)
- **High Priority Projects:** Projects identified in response to one or more of the highest probability hazards combined with the ability to save lives. (Scale 1-3)

2.3. IMPLEMENTATION OF MITIGATION ACTIONS

This volume includes several measures to ensure actions are implemented. HCEM will serve as the coordinating agency. However, each action is tied to a responsible agency or individual who will be responsible for leading the completion of the mitigation action. By assigning responsibility, it increases accountability and the likelihood of action.

In addition to the assignment of a local lead department or agency, an implementation time period or a specific implementation date has been considered to assess whether actions are being implemented in a timely fashion. Further, the county continues to look for and research funding sources to implement mitigation projects in both the pre-disaster and post-disaster environments. Potential funding sources continue to be discussed for proposed actions listed in this volume.

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SECTION 3	MITIGATION ACTIONS AND PROJECTS
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3.1. JURISDICTION PARTICIPATION

The following list contains each jurisdiction, the point of contact, title, agency, and which group they have planning membership. Each planning group routinely meets 4-12 times a year to meet the planning needs and requirements for their jurisdiction. Each planning group accounts for its own membership, participation, and completion of the requirements within this plan. Participation is voluntary.

Jurisdiction	Point of Contact	Title	Agency	How participated
Bloomington	U. Seal	Fire Chief	Fire Department	South Region Planning
Brooklyn Center	T. Berg	Fire Chief	Fire Department	North Region Planning
Brooklyn Park	S. Conway	Fire Chief	Fire Department	North Region Planning
Champlin	T. Schmidt	Police Chief	Law Enforcement	North Region Planning
Corcoran	M. Gottschalk	Police Chief	Law Enforcement	Lakes Region Planning
Crystal	M. Ray	Dir of Public Works	City of Crystal	North Region Planning
Dayton	G. Henrickson	Fire Chief	Fire Department	North Region Planning
Deephaven	C. Johnson	Police Chief	Law Enforcement	Lakes Region Planning
Eden Prairie	S. Gerber	Fire Chief	Fire Department	South Region Planning
Edina	A. Slama	Fire Chief	Fire Department	South Region Planning
Excelsior	B. Tholen, C. Mackey	Police Chief	Law Enforcement	Lakes Region Planning
Fort Snelling	B. Kelii	Deputy Director	HCEM	County Planning
Golden Valley	J. Crelly	Fire Chief	Fire Department	North Region Planning
Greenfield	M. Webb	City Administrator	City of Greenfield	Lakes Region Planning
Greenwood	M. Meehan	Police Chief	Law Enforcement	Lakes Region Planning
Hanover	J. Nash	Emergency Mgr.	City of Hanover	County Planning
Hopkins	D. Specken	Fire Chief	Fire Department	South Region Planning
Independence	G. Kroells	Police Chief	Law Enforcement	Lakes Region Planning
Long Lake	M. Schultz	Police Chief	Law Enforcement	Lakes Region Planning
Loretto	J. Nelson	Police Chief	Law Enforcement	Lakes Region Planning
Maple Grove	T. Bush	Fire Chief	Fire Department	North Region Planning
Maple Plain	G. Kroells	Police Chief	Law Enforcement	Lakes Region Planning
Medicine Lake	J. Hauble	City Admin	City of Medicine Lake	North Region Planning
Medina	J. Nelson	Police Chief	Law Enforcement	Lakes Region Planning
Minneapolis	E. Gustafson	Emergency Mgr.	City of Minneapolis	County Planning
Minnetonka Beach	C. Farniok	Police Chief	Law Enforcement	Lakes Region Planning
Minnetonka	A. Morris	Fire Chief- Assist	Fire Department	South Region Planning
Minnetrissa	P. Falls	Dir of Public Safety	Law Enforcement	Lakes Region Planning
Mound	G. Pederson	Fire Chief	Fire Department	Lakes Region Planning
Minneapolis/St. Paul International Airport	K. Rollwagen/ B. Lane	Emergency Mgr.	MSP Airport	County Planning
New Hope	S. Larson	Fire Chief	City of New Hope	North Region Planning
Orono	C. Farniok	Police Chief	Law Enforcement	Lakes Region Planning

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Jurisdiction	Point of Contact	Title	Agency	How participated
Osseo	S. Mikkelson	Police Chief	Law Enforcement	North Region Planning
Plymouth	E. Fadden	Police Chief	Law Enforcement	North Region Planning
Richfield	J. Henthorne	Police Chief	Law Enforcement	South Region Planning
Robbinsdale	P. Foley	Police Chief	Law Enforcement	North Region Planning
Rockford	R. Harkins	Fire	Fire Department	County Planning
Rogers	B. Feist/ P. Farrens	Fire Chief	Fire Department	North Region Planning
Shorewood	B. Tholen, C. Mackey	Police Chief	Law Enforcement	Lakes Region Planning
Spring Park	C. Farniok	Police Chief	Law Enforcement	Lakes Region Planning
St. Anthony	M. Sitarz	Fire Chief	Fire Department	North Region Planning
St. Bonifacius	P. Falls	Police Chief	Law Enforcement	Lakes Region Planning
St. Louis Park	S. Koering	Fire Chief	Fire Department	South Region Planning
Tonka Bay	B. Tholen, C. Mackey	Police Chief	Law Enforcement	Lakes Region Planning
Wayzata	M. Schultz	Police Chief	Law Enforcement	Lakes Region Planning
Woodland	C. Johnson	Police Chief	Law Enforcement	Lakes Region Planning

3.2. Funding Sources

Mitigation Projects can receive funding through a variety of sources. This document will detail common funding sources that have potential applications for each project. The below indicators will be used for each project to reduce the size of this document:

Indicator:	Potential Funding Source:
1	Local Funds
2	State Funds
3	Federal Funds
4	Building Resilient Infrastructure and Communities (BRIC)
5	Hazard Mitigation Grant Program (HMGP)
6	Flood Mitigation Assistance (FMA)

3.3.1. CITY OF BLOOMINGTON C4a, C4b, C5b, E2B

Hennepin County - Bloomington

Bloomington is the fifth largest city in Minnesota. Located on the north bank of the Minnesota River above its confluence with the Mississippi River, Bloomington lies at the heart of the southern metro area, 10 miles (16) south of downtown Minneapolis. Bloomington was established as a Post-World War II housing boom suburb connected to the urban street grid of Minneapolis and serviced by two major highways, Interstate 35W and Interstate 494. Bloomington's residential areas include upper-tier households in the western Bush Lake area and traditional middle-class families in its rows of single-family homes in the central to eastern portions. Large-scale commercial development is concentrated along the Interstate 494 corridor. Besides an extensive park system, with over 1,000feet (93²) of parkland per capita, the city's south border with the Minnesota River is buffered by the Minnesota Valley National Wildlife Refuge. Bloomington has more jobs per capita than either Minneapolis or St. Paul. Its economy includes headquarters of major companies such as Ceridian, HealthPartners and Toro. The city is a hospitality and retail magnet, recognized nationally for the United States' largest enclosed shopping center, Mall of America.

Population density: 2,517 people per square mile (average).

Tornado activity: Bloomington-area historical tornado activity is slightly above Minnesota state average. It is 33% greater than the overall U.S. average.

Earthquake activity: Bloomington-area historical earthquake activity is significantly above Minnesota state average. It is 55% smaller than the overall U.S. average.

Hazard Mitigation Project Goal Priority Ranking Aid

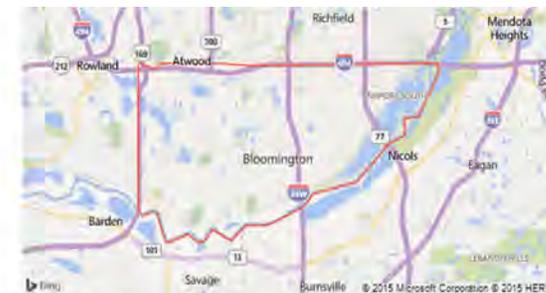
- 1** Mitigation Priority 1 (1F2), (7A1), (7A2)
 - Maintain/Revise the city's Continuity of Operations (COOP) and Emergency Operations Plan (EOP)
- 1** Mitigation Priority 2 (1D3)
 - Maintain basic terrorism response capabilities- Chempack, detection, decon, etc.
- 1** Mitigation Priority 3 (1F1)
 - Critical infrastructure failure planning- water systems, communication systems and power

Website: [City of Bloomington MN](https://www.cityofbloomington.com/)



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	89,244
H.S. Diploma or More - % of Adults 25+ (2022)	92.8%
Bachelor's Deg. or More - % of Adults 25+ (2022)	44.9%
Households (2022)	37,653
Total Housing Units (2022)	39,347
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.5%



Latitude/Longitude: 44.824372, -93.298096
 Area: 38.40 sq. miles
 Area - Land only: 34.67 sq. miles (90%)
 Area - Water only: 3.73 sq. miles (10%)

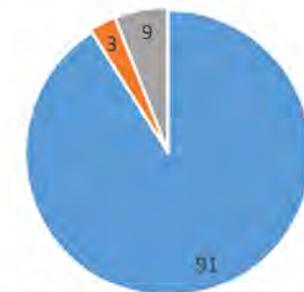
- ### Vulnerability
- Bridges 204
 - Functional Needs 991
 - Rail
 - Mall of America
 - Blue Line: Light Rail
 - Monticello NPP: 40 miles

- ### Capability
- Law Enforcement
 - Fire Protection
 - Animal Control/Shelter
 - Bloomington Public Health Division
 - GIS Mapping
 - Streets and Highways Dept (342 miles)
 - Park and Recreation Dept (700 Acres)
 - Sewage
 - Water Supply
 - FCC Registered amateur radio licenses: 380

- ### Corporate/Employers
- Mall of America 11,000
 - Health Partners 3,533
 - Bloomington School District 1,950
 - Seagate Technology 1,365
 - Toro 1,150

- ### School District
- 271 Bloomington (15)

Language



■ English ■ Spanish ■ all others

https://apps.mla.org/map_data

<https://www.city-data.com/city/Bloomington-Minnesota.html>

2024 Bloomington Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Flooding/Dam Failure: Develop a comprehensive approach to reducing the possibility of damage and losses due to failure							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Update inundation map every 10 years	PW	Undetermined	6 Months	Complete		
1A2	Review and compare existing flood control standards, zoning, and building requirements	CD	Undetermined	1 Year	Ongoing	Low	1
1A3	Review and update policies that discourage growth in flood-prone areas	CD	Undetermined	3 Months	Ongoing	Low	1
1A4	Review and update city wide evacuation plan	EM	NA	6 Months	Incomplete	Low	1
1A5	Periodically exercise flood/dam failure response actions	EM, PW	NA	8 Months	Ongoing	Low	1, 3
1A6	Update flooding/dam failure response actions in Regional EOP	EM	Undetermined	6 Months	Incomplete	Low	1
Objective 1B: Wildland Fire: Develop a comprehensive approach reducing the possibility of damage and losses due to wildfire							
1B1	Develop and publicize evacuation plans and routes in areas threatened by wildland fires, as resources are available	FD	Undetermined	1 Year	Incomplete	Low	1
1B2	Ensure defensible firefighting space is afforded adjacent to wildland and open space areas in new developments, as resources are available	FD	Undetermined	Ongoing	Ongoing	5	1, 2, 5
Objective 1C: Hazardous Material Release							
1C1	Facility inspections for code compliance and planning to include protect in place/evacuation strategies	FD	Undetermined	Ongoing	Ongoing	Low	1
1C2	Maintain data on materials in fixed facilities	FD	Undetermined	Ongoing	Ongoing	Low	1
1C3	Train/plan for transportation related HazMat emergencies	FD	Undetermined	Ongoing	Ongoing	Low	1, 2
1C4	Train for HazMat emergencies in fixed facilities	FD	Undetermined	Ongoing	Ongoing	Low	1, 2
Objective 1D: Terrorism							
1D1	Continue to collaborate with LE, MNJAC and emergency service partners to maintain situational awareness of possible threats	FD, PD, MA	Undetermined	Ongoing	Ongoing	Low	1

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1D2	Plan/Train for terrorism incident response and recovery	FD, PD	Undetermined	Ongoing	Ongoing	Low	1, 3
1D3	Maintain basic terrorism response capabilities- Chempack, detection, decon, etc.	FD, PD	Undetermined	Ongoing	Ongoing	2	1, 3
Objective 1E: Severe Weather							
1E1	Maintain outdoor warning/alert capability- cities 22 warning sirens	FD	Undetermined	Ongoing	Ongoing	Low	1
1E2	Increase severe weather awareness	FD, EM	Undetermined	Ongoing	Ongoing	Low	1
1E3	Encourage severe weather planning in residential and commercial occupancies.	FD, EM	Undetermined	Ongoing	Ongoing	Low	1
Objective 1F: Critical Infrastructure Failure							
1F1	Critical infrastructure failure planning- water systems, communication systems and power	EM, FD, PD, PW, CD	Undetermined	6 Months	Ongoing	3	1, 4
1F2	Maintain/Revise the city's Continuity of Operations (COOP) and Emergency Operations Plan (EOP)	FD, EM	Undetermined	6 Months	Ongoing	1	1
1F3	Contingency planning for vulnerable populations	FD, EM, CS	Undetermined	8 Months	Ongoing	Low	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Educate the public to increase awareness of hazards and opportunities for mitigation actions							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Publicize and encourage the adoption of appropriate hazard mitigation actions	EM, FD	Undetermined	Ongoing	Ongoing	Low	1
2A2	Provide information to the public on the city website and through public education opportunities	EM, FD, CS	Undetermined	Ongoing	Ongoing	Low	1
Objective 2B: Promote partnerships between the state, county, local jurisdictions, and partner agencies to identify, prioritize, and implement mitigation actions							
2B1	Participate as a member in local or regional hazard mitigation planning groups	PW, FD, PD	Undetermined	Ongoing	Ongoing	Low	1
2B2	Support or provide public sector events, workshops, symposiums, and continued education opportunities	FD, EM, CS	Undetermined	Ongoing	Ongoing	Low	1

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Objective 2C: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community							
2C1	Increase awareness and knowledge of hazard mitigation principles and practices	FD, PW, PD, EM	Undetermined	Ongoing	Ongoing	Low	1
2C2	Encourage businesses to develop and implement hazard mitigation actions	FD, EM, PD, PW	Undetermined	Ongoing	Ongoing	Low	1
2C3	Support or provide private sector events, workshops, symposiums, and continued education opportunities	FD, EM, PW, PD	Undetermined	Ongoing	Ongoing	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Work with watershed districts to address water quality and storm water planning							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Update/adjust comprehensive plan to reflect system capabilities for extreme events	CD, PW, FD, PD, CS	Undetermined	1 Year	Ongoing	Low	1
3A2	Monitor current systems for potential weakness or failures and ability to adjust	EM	Undetermined	Ongoing	Ongoing	Low	1
Objective 3B: Maintain protections and monitor the Native American burial mounds on public and private property							
3B1	Continue to monitor public and private properties for development/encroachments into protected sites	CD	Undetermined	Ongoing	Ongoing	Low	1
Objective 3C: Maintain parks and support National Wildlife Refuge							
3C1	Monitor for drought impact and invasive species	P&R, FD, PW	Undetermined	Ongoing	Ongoing	Low	1
3C2	Wildfire suppression/ and assist in wildland management of fuels	FD, P&R	Undetermined	Ongoing	Ongoing	4	1, 2, 5
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Update flood zone maps							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Work with FEMA, Watershed Districts, and City Engineer to update/maintain current flood zone maps to reflect current and potential event predictions. Evaluate new	PW, FD, EM	Undetermined	2 Years	Ongoing	Low	1, 5, 6

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	models that increase impacted properties and intense event levels						
Objective 4B: Update/maintain vulnerable populations locations and readiness capabilities							
4B1	Identify nursing homes, assisted living care facilities and group homes COOP planning and resilience/self-reliance capabilities and measures	CD, FD, CS/PH, EM	Undetermined	1 Year	Ongoing	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Utilize current models and predictions for development requirements							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Enforce existing codes to ensure developments meet standards	CD, FD	Undetermined	Ongoing	Ongoing	Low	1
6A2	Encourage disaster resistant development plans for new developments and redevelopments	CD, FD	Undetermined	Ongoing	Ongoing	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Maintain COOP planning effort							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Update the city COOP	FD, EM	Undetermined	6 Months	In process	1	1
7A2	TTX the COOP to identify gaps	FD, EM	Undetermined	8 Months	2 nd ¼ 2024	1	1
Objective 7B: Maintain EOP/EOC planning effort and capabilities							
7B1	Update the EOP	FD, EM	Undetermined	6 Months	2 nd ¼ 2024	Low	1
7B2	TTX the EOP and practice EOC activation	EM	Undetermined	8 Months	3 rd ¼ 2024	Low	1
Objective 7C: Encourage EOP/COOP planning effort for our business and non-profit partners in the community							
7C1	Outreach and assist community business and non-profit in the EOP/COOP planning effort to increase community resiliency	FD, EM	Undetermined	2 Years	Planned	Low	1

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Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Bloomington 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Flooding/Dam Failure: Develop a comprehensive approach to reducing the possibility of damage and losses due to failure	
Project Title/Action	1A1: Update inundation map every 10 years
Project Status	Complete
Responsible Agency	Emergency Management
Project Title/Action	1A2: Review and compare existing flood control standards, zoning, and building requirements
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1A3: Review and update policies that discourage growth in flood-prone areas
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1A4: Review and update city wide evacuation plan
Project Status	Incomplete
Responsible Agency	Emergency Management
Project Title/Action	1A5: Periodically exercise flood/dam failure response actions
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1A6: Update flooding/dam failure response actions in regional EOP
Project Status	Incomplete
Responsible Agency	Emergency Management
OBJECTIVE: 1B: Wildland Fire: Develop a comprehensive approach reducing the possibility of damage and losses due to wildfire	
Project Title/Action	1B1: Develop and publicize evacuation plans and routes in areas threatened by wildland fires, as resources are available
Project Status	Incomplete
Responsible Agency	Emergency Management
Project Title/Action	1B2: Ensure defensible firefighting space is afforded adjacent to wildland and open space areas in new developments, as resources are available
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 1C: Hazardous Material Release	
Project Title/Action	1C1: Facility inspections for code compliance and planning to include protect in place/evacuation strategies
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1C2: Maintain data on materials in fixed facilities
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1C3: Train/plan for transportation related HazMat emergencies
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1C4: Train for HazMat emergencies in fixed facilities
Project Status	Ongoing

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Responsible Agency	Emergency Management
OBJECTIVE: 1D: Terrorism	
Project Title/Action	1D1: Continue to collaborate with LE, MNJAC, and emergency service partners to maintain situational awareness of possible threats
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1D2: Plan/Train for terrorism incident response and recovery
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1D3: Maintain basic terrorism response capabilities – Chempack, detection, decon, etc.
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 1E: Severe Weather	
Project Title/Action	1E1: Maintain outdoor warning/alert capability – cities 22 warning sirens
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1E2: Increase severe weather awareness
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1E3: Encourage severe weather planning in residential and commercial occupancies
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 1F: Critical Infrastructure Failure	
Project Title/Action	1F1: Critical infrastructure failure planning – water systems, communication systems and power
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1F2: Maintain/Revise the city’s Continuity of Operations (COOP) and Emergency Operations Plan (EOP)
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	1F3: Contingency planning for vulnerable populations
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 2A: Educate the Public to increase awareness of hazards and opportunities for mitigation actions	
Project Title/Action	2A1: Publicize and encourage the adoption of appropriate hazard mitigation actions
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	2A2: Provide information to the public on the city website and through public education opportunities
Project Status	Ongoing
Responsible Agency	Emergency Management

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OBJECTIVE: 2B: Promote partnerships between the state, county, local jurisdictions, and partner agencies to identify, prioritize, and implement mitigation actions	
Project Title/Action	2B1: Participate as a member in local or regional hazard mitigation planning groups
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	2B2: Support or provide public sector events, workshops, symposiums, and continued education opportunities
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 2C: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community	
Project Title/Action	2C1: Increase awareness and knowledge of hazard mitigation principles and practices
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	2C2: Encourage businesses to develop and implement hazard mitigation actions
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	2C3: Support or provide private sector events, workshops, symposiums, and continued education opportunities
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 3A: Work with watershed districts to address water quality and storm water planning	
Project Title/Action	3A1: Update/adjust comprehensive plan to reflect system capabilities for extreme events
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	3A2: Monitor current systems for potential weakness or failures and ability to adjust
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 3B: Maintain protections and monitor the Native American burial mounds on public and private properties	
Project Title/Action	3B1: Continue to monitor public and private properties for development/encroachments into protected sites
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 3C: Maintain parks and support National Wildlife Refuge	
Project Title/Action	3C1: Monitor for drought impact and invasive species
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	3C2: Wildlife suppression/ and assist in wildland management of fuels
Project Status	Ongoing
Responsible Agency	Emergency Management

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OBJECTIVE: 4A: Update flood zone maps	
Project Title/Action	4A1: Work with FEMA, Watershed Districts, and City Engineer to update/maintain current flood zone maps to reflect current and potential event predictions. Evaluate new models that increase impacted properties and intense event levels
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 4B: Update/maintain vulnerable populations locations and readiness capabilities	
Project Title/Action	4B1: Identify nursing homes, assisted living care facilities and group homes COOP planning and resilience/self-reliance capabilities and measures
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 6A: Utilize current models and predictions for development requirements	
Project Title/Action	6A1: Enforce existing codes to ensure developments meet standards
Project Status	Ongoing
Responsible Agency	Emergency Management
Project Title/Action	6A2: Encourage disaster resistant development plans for new developments and redevelopments
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 7A: Maintain COOP planning effort	
Project Title/Action	7A1: Update the City COOP
Project Status	In Progress
Responsible Agency	Emergency Management
Project Title/Action	7A2: TTX the COOP to identify gaps
Project Status	In Progress
Responsible Agency	Emergency Management
OBJECTIVE: 7B: Maintain EOP/EOC planning effort and capabilities	
Project Title/Action	7B1: Update the EOP
Project Status	In Progress
Responsible Agency	Emergency Management
Project Title/Action	7B2: TTX the COOP to identify gaps
Project Status	In Progress
Responsible Agency	Emergency Management
OBJECTIVE: 7C: Encourage EOP/COOP planning effort for our businesses and non-profit partners in the community	
Project Title/Action	7C1: Outreach and assist community businesses and non-profit in the EOP/COOP planning effort to increase community resiliency
Project Status	In Progress
Responsible Agency	Emergency Management

3.3.2. CITY OF BROOKLYN CENTER

Hennepin County - Brooklyn Center

Brooklyn Center lies on the west bank of the Mississippi River on the northwest border of Minneapolis in Hennepin County. Brooklyn Center is one of the oldest inner-ring suburbs of Minneapolis-St. Paul, with about 3.2 million residents. Formed as the center of local trade in Brooklyn Township since 1873, the rural area farmed market gardening for the nearby growing population of Minneapolis. The village incorporated in 1911, splitting from Brooklyn Township, to avoid annexation from the expanding city of Minneapolis. The city became a bedroom community and industrial job center following postwar growth.

Population density: 4,139 people per square mile (average).

Tornado activity: Brooklyn Center-area historical tornado activity is slightly above Minnesota state average. It is 27% greater than the overall U.S. average.

Earthquake activity: Brooklyn Center-area historical earthquake activity is significantly above Minnesota state average. It is 55% smaller than the overall U.S. average

Hazard Mitigation Project Goal Priority Ranking Aid

1
Mitigation Priority 1 (1A1)

- Adopt the new Emergency Operation Plan and safety manual then train employees.

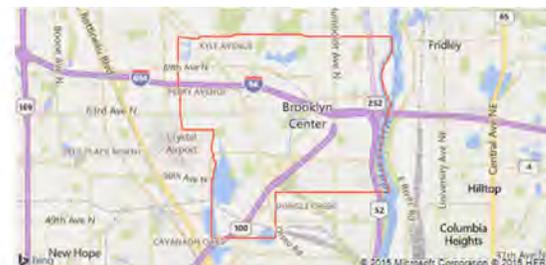
8
Mitigation Priority 2 (8A1)

- Community outreach programs through the OPCHS. Opioid training, etc.

8
Mitigation Priority 3 (8A2)

- ART Team Model

Website: www.brooklyncentermn.gov



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	33,109
H.S. Diploma or More - % of Adults 25+ (2022)	88.4%
Bachelor's Deg. or More - % of Adults 25+ (2022)	24.2%
Households (2022)	11,294
Total Housing Units (2022)	11,648
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.4%

Latitude/Longitude: 45.063637, -93.3159775
 Area: 8.33 sq. miles
 Area - Land only: 7.95 sq. miles (95%)
 Area - Water only: 0.38 sq. miles (5%)

Vulnerability

- Bridges 10
- Functional Need 182
- Monticello NPP: 27 Miles

Capability

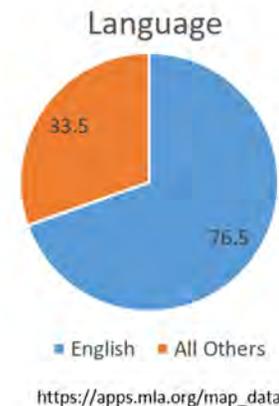
- Law Enforcement
- FBI Regional Field Office
- Parks and Recreation Dept.
- Fire Protection
- Sewer/water

Corporate/Employer

- Hennepin County 9300
- Medtronic 1100
- Luther Auto Group 555
- Caribou Coffee 200

School District

- 11 Anoka
- 279 Osseo
- 281 Robbinsdale
- 286 Brooklyn Center



<https://www.city-data.com/city/Brooklyn-Center-Minnesota.html>

2024 Brooklyn Center Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Preparation for Severe Weather Response							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Adopt the new Emergency Operation Plan and safety manual then train employees.	City of Brooklyn Ctr.	10,000	Short	Ongoing	1	1
1A2	Construct a new Public Works garage that allows for improved operations, space for new and existing equipment, and storage of materials.	City of Brooklyn Ctr.	\$20,000,000-\$30,000,000	Medium	Delayed	Medium	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Educate and inform the public and local businesses on how to better prepare and protect themselves from the impacts of severe weather							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Develop an Emergency Preparedness website which could educate the public and local businesses about how to prepare their homes and businesses from effects of severe weather. Due to the diversity within the community this information will need to be translated into various languages	City of Brooklyn Ctr.	\$25,000	Long	In progress	Med	1
Objective 2B: Notify and inform the public							
2B1	Purchase and install electronic reader boards at key critical infrastructure locations to aid in the dissemination of emergency information.	City of Brooklyn Ctr.	\$120,000	Medium	Ongoing	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

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None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury All Overhead Power Lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work within the community and Xcel Energy to identify all power lines which could be buried to reduce significant power failures throughout the community	City of Brooklyn Ctr.	\$5,000,000-\$20,000,000	Long	Continuous	Low	1, 4, 5
Objective 7B: Provide auxiliary power							
7B1	Install an emergency generator at City Hall/Community Center so the facility could be used as a congregate care facility	City of Brooklyn Ctr.	\$300,000	Medium	Will work in with the new building construction	Med	1, 4, 5
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Community outreach programs through the OPCHS, Opioid training, etc.	City of Brooklyn Ctr.	\$60,000 – 90,000 (Opioid funds)	Short	Planning	2	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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8A2	ART team model	Henn CO./ City of Brooklyn Ctr.	\$80k – 120k	Short	Likely starting early 2024	3	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Electrify the City’s fleet of vehicles; this would include installing charging stations at City buildings	City of Brooklyn Ctr.	\$1,000,000- \$5,000,000	Long	Ongoing	Long	1, 3
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Brooklyn Center 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Preparation for Severe Weather Response	
Project Title/Action	1A1: Upgrade technology within the EOC to aid in better mitigation of a natural or manmade disaster
Project Status	Complete
Project Title/Action	1A2: Improve the capability of the community’s backup EOC
Project Status	Complete
Responsible Agency	City of Brooklyn Center
OBJECTIVE: 2A: Educate and inform the public and local businesses on how to better prepare and protect themselves from the impacts of severe weather	
Project Title/Action	2A1: Develop an Emergency Preparedness website which could educate the public and local businesses about how to prepare their homes and businesses from effects of severe weather. Due to the diversity within the community, this information will need to be translated into various languages
Project Status	Delayed
Responsible Agency	City of Brooklyn Center
OBJECTIVE: 2B: Notify and inform the public	
Project Title/Action	2B1: Purchase and install electronic reader boards at key critical infrastructure locations to aid in the dissemination of emergency information
Project Status	On-Schedule
Project Title/Action	2B2: Purchase an emergency notification system, such as Everbridge, to aid in the dissemination of emergency information
Project Status	Canceled
Responsible Agency	City of Brooklyn Center
OBJECTIVE: 7A: Bury All Overhead Power Lines	
Project Title/Action	7A1: Work within the community and Xcel Energy to identify all power lines which could be buried to reduce significant power failures throughout the community
Project Status	On-Schedule
Responsible Agency	City of Brooklyn Center
OBJECTIVE: 7B: Provide auxiliary power	
Project Title/Action	7B1: Install an emergency generator at City Hall/Community Center so the facility could be used as a congregate care facility
Project Status	Delayed
Responsible Agency	City of Brooklyn Center

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3.3.3. CITY OF BROOKLYN PARK

Hennepin County – Brooklyn Park

Brooklyn Park lies on the west bank of the Mississippi River upstream from downtown Minneapolis in northern Hennepin County. Brooklyn Park is the fourth-largest suburb of Minneapolis/St. Paul. The city is known for Edinburgh USA Golf Course, North Hennepin Community College and a campus of Hennepin Technical College. A traditional bedroom community of both major cities, Target Corporation is currently expanding its Northern Campus into a \$1.78 billion dollar office, retail, and housing city center providing 26,600 jobs.- Once Brooklyn Township, the township split in 1860 with the southeastern village incorporating into Brooklyn Center and Crystal Lake

Population density: 3,244 people per square mile (average).

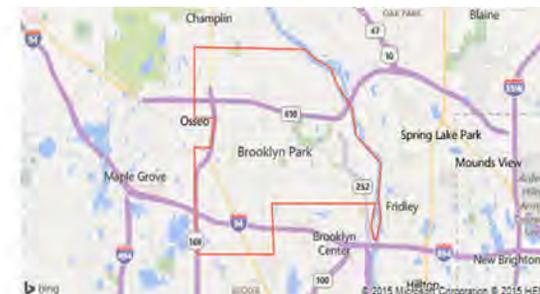
Tornado activity: Brooklyn Park-area historical tornado activity is slightly above Minnesota state average. It is 25% greater than the overall U.S. average.

Earthquake activity: Brooklyn Park-area historical earthquake activity is significantly above Minnesota state average. It is 55% smaller than the overall U.S. average.

Website: <https://www.brooklynpark.org/>



<https://www.statsamerica.org/town/>



People & Housing	
Population Estimate (2022)	84,951
H.S. Diploma or More - % of Adults 25+ (2022)	88.2%
Bachelor's Deg. or More - % of Adults 25+ (2022)	31.6%
Households (2022)	29,803
Total Housing Units (2022)	30,483
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.1%

Latitude/Longitude: 45.108821, -93.3403165
 Area: 26.58 sq. miles
 Area - Land only: 26.10 sq. miles (98%)
 Area - Water only: 0.48 sq. miles (2%)

Hazard Mitigation Project Goal Priority Ranking Aid

1 Mitigation Priority 1 (1A1)
 • Upgrade technology within the EOC to aid in a better mitigation of a natural or manmade disaster.

1 Mitigation Priority 2 (1A2)
 • Improve the capability of the community back-up EOC.

2 Mitigation Priority 3 (2A1)
 • Update the department website to include sections for Emergency Preparedness which could educate the public and local businesses about how to prepare their homes and businesses from effects of severe weather. Due to the diversity within the community this information will need to be translated into various languages.

Social Media:
 Facebook: [City of Brooklyn Park](#)
 Twitter: [City of Brooklyn Park](#)

Vulnerability

- Functional Need 209
- Bridges 69
- Monticello NPP: 26 miles
- High Hazard Occupancy
 - Americold
 - Styrotech
 - HC Transfer Facility
 - Andpak
 - Takeda
 - Caterpillar
 - LCS
 - Technical Plating
 - BOP Water Tx Plant
 - Midwest Finishing
 - Rust Oleum
 - Sherwin Williams

Corporate/Employer

- North Hennepin Community College
- Hennepin Technical College

Capability

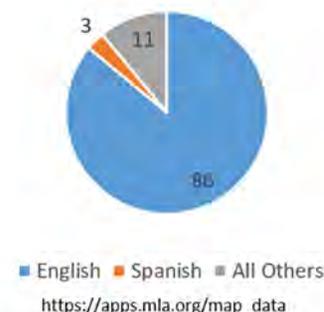
- FT Emergency Manager
- Law Enforcement
- Fire Protection
- Park And Recreation
- FCC Amateur Radio Licenses 131

School District

- 279 Osseo
- 11 Anoka-Hennepin
- 281 Robbinsdale

<https://www.city-data.com/city/Brooklyn-Park-Minnesota.html>

Language



2024 Brooklyn Park Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Improve preparation for Severe Weather Response							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Upgrade technology within the EOC to aid in a better mitigation of a natural or manmade disaster.	Brooklyn Park Fire/EM Department	\$50,000	Short	In-Progress	1	1
1A2	Improve the capability of the community back-up EOC.	Brooklyn Park Fire/EM Department	\$20,000	Medium	Reviewing	2	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Educate and inform the public and local businesses on how to better prepare and protect themselves from the impacts of severe weather							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Update the department website to include sections for Emergency Preparedness which could educate the public and local businesses about how to prepare their homes and businesses from effects of severe weather. Due to the diversity within the community this information will need to be translated into various languages	Brooklyn Park Fire/EM Department	\$10,000	Short	In-Progress	3	1
Objective 2B: Notify and inform the public							
2B1	Purchase an emergency notification system such as Everbridge to aid in the dissemination of emergency information.	Brooklyn Park Fire/EM Department	\$20,000	Short	Reviewing	4	1, 3
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Develop a comprehensive approach to reducing the possibility of damage and losses due to a hazardous materials spill							

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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Continue to use Brooklyn Park GIS to map and update locations of fixed facilities using hazardous materials and associated transportation routes in a timely manner.	Brooklyn Park Fire/EM Department	No Cost	Ongoing	Ongoing	7	1
4A2	Provide Railroad & Pipeline Safety Awareness Level training for First Responders.	Brooklyn Park Fire/EM Department	No Cost	Short/Ongoing	Ongoing	5	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury all overhead power lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work within the community and Xcel Energy to identify all power lines which could be buried to reduce significant power failures throughout the community.	Brooklyn Park Fire/EM Department	\$2,500,000	Long	Reviewing	6	1, 4, 5
Objective 7B: Educate first responders to increase awareness of hazards and opportunities for mitigation actions							
7B1	Ensure that all essential city departments (police, fire, public works) have the latest edition of the Emergency Response Guidebook	Brooklyn Park Fire/EM Department	No Cost	Ongoing	Ongoing	8	1, 2
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A:							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Brooklyn Park 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Improve preparation for Severe Weather Response	
Project Title/Action	1A1: Upgrade technology within the EOC to aid in a better mitigation of a natural or manmade disaster
Project Status	Anticipated completion date: June 2026
Project Title/Action	1A2: Improve the capability of the community back-up EOC
Project Status	Anticipated completion date: June 2026
Responsible Agency	Brooklyn Park Fire / EM Department
OBJECTIVE: 2A: Educate and inform the public and local businesses on how to better prepare and protect themselves from the impacts of severe weather	
Project Title/Action	2A1: Update the department website to include sections for Emergency Preparedness, which could educate the public and local businesses about how to prepare their homes and businesses from the effects of severe weather. Due to the diversity within the community, this information will need to be translated into various languages
Project Status	Anticipated completion date: June 2024
Responsible Agency	Brooklyn Park Fire / EM Department
OBJECTIVE: 2B: Notify and inform the public	
Project Title/Action	2B1: Purchase an emergency notification system, such as Everbridge, to aid in the dissemination of emergency information
Project Status	Delayed
Responsible Agency	Brooklyn Park Fire / EM Departments
OBJECTIVE: 4A: Develop a comprehensive approach to reducing the possibility of damage and losses due to a hazardous materials spill	
Project Title/Action	4A1: Continue to use Brooklyn Park GIS to map and update locations of fixed facilities using hazardous materials and associated transportation routes in a timely manner
Project Status	Complete
Project Title/Action	4A2: Provide Railroad & Pipeline Safety Awareness Level training for First Responders
Project Status	Anticipated completion date: 2024
Responsible Agency	Brooklyn Park Fire / EM Department
OBJECTIVE: 7A: Bury All Overhead Power lines	
Project Title/Action	7A1: Work within the community and Xcel Energy to identify all power lines which could be buried to reduce significant power failures throughout the community
Project Status	Delayed
Responsible Agency	Brooklyn Park Fire / EM Department
OBJECTIVE: 7B: Educate first responders to increase awareness of hazards and opportunities for mitigation actions	
Project Title/Action	7B1: Ensure that all essential city departments (police, fire, public works) have the latest edition of the Emergency Response Guidebook
Project Status	Complete
Responsible Agency	Brooklyn Park Fire / EM Department

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3.3.4. CITY OF CHAMPLIN

Hennepin County - Champlin

The city of Champlin is located along the Mississippi River, surrounded by the cities of Anoka, Dayton, Brooklyn Park, Maple Grove and Coon Rapids, about 18 miles northwest of Minneapolis. According to the U.S. Census Bureau, the city has a total area of 8.8 square miles, of which, 8.2 miles of it is land and 0.6 square miles is water. The average elevation is 875 feet above sea level. The settlement of the Champlin area began when Father Louis Hennepin, a Franciscan priest from whom Hennepin County gets its name, Michael Accult and Peter Dulay were captured by the Sioux Indians. An Indian trading post was eventually established in the area. Charles Miles created the first permanent settlement in what came to be called the Marshall Township. In 1859, it was split into two towns, Champlin and Dayton.

Population density: 2,871 people per square mile (average).

Tornado activity: Champlin-area historical tornado activity is slightly above Minnesota state average. It is 23% greater than the overall U.S. average.

Earthquake activity: Champlin-area historical earthquake activity is significantly above Minnesota state average. It is 54% smaller than the overall U.S. average.

Website: [Champlin, MN | Official Website](https://www.cityofchamplin.com/)



<https://www.statsamerica.org/town/>



People & Housing	
Population Estimate (2022)	23,666
H.S. Diploma or More - % of Adults 25+ (2022)	97.7%
Bachelor's Deg. or More - % of Adults 25+ (2022)	36.4%
Households (2022)	8,647
Total Housing Units (2022)	8,774
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%

Latitude/Longitude: 45.1815475, -93.3755805

Area: 8.73 sq. miles

Area - Land only: 8.17 sq. miles (94%)

Area - Water only: 0.56 sq. miles (6%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 1

Mitigation Priority 1 (1D1), (7A1)

 - Improve the Data Backup and protection Protocols for City records
- 1

Mitigation Priority 2 (1E1)

 - Improve Campus Security in the event of a large-scale protest or civil disobedience
- 1

Mitigation Priority 3 (1C1)

 - The wellhead protection plan identifies potential hazards to the groundwater supply from infiltration of wells that are not properly capped or protected

Vulnerability

- Bridges 5
- Functional Needs 25
- Monticello NPP: 21 miles
- Elm Creek Dam
- Father Hennepin Festival

Capability

- Law Enforcement
- Fire Protection (shared)
- Park And Recreation
- Streets and Highways
- FCC Amateur Radio Licenses 66

Corporate/Employer

- Industrial on Trunk Highway 169/109th Ave

School District

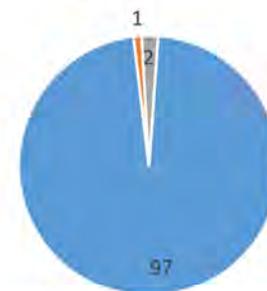
- 11 Anoka-Hennepin

Social Media:

Facebook - <https://www.facebook.com/CityofChamplin>

Instagram - [Champlin, Minnesota \(@champlin_mn\)](https://www.instagram.com/champlin_mn) • [Instagram photos and videos](#)

Language



■ English ■ Spanish ■ All Others

https://apps.mla.org/map_data

<https://www.city-data.com/city/Champlin-Minnesota.html>

2024 Champlin Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Flood Forecasting							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Work with a wide range of stakeholders to have a river gauge installed on the Mississippi river	City/DNR	\$40,000 Installation	(L)3-5 yrs	Complete		
Objective 1B: Effective No Wake Activation							
1B1	Work with a wide range of stakeholders to have a river gauge installed on the Mississippi river	City/DNR	\$40,000 \$18,000	(L)3-5yrs	Complete		
Objective 1C: Wellhead Protection							
1C1	The wellhead protection plan identifies potential hazards to the groundwater supply from infiltration of wells that are not properly capped or protected	City Engineer	\$20,000	(M)10yrs	Ongoing	3	1
Objective 1D: Protection and Safeguarding of Vital City Data							
1D1	Improve the Data Backup and protection Protocols for City records	City IT	\$22,000 \$4,000	(M)5yrs	Ongoing	1	1
Objective 1E: Protection and Safeguarding of Vital City Data							
1E1	Improve Campus Security in the event of a large-scale protest or civil disobedience	City PW Director/Police	\$1.5 Million	3-5 yrs	Ongoing	2	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Flood Forecasting							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Work with a wide range of stakeholders to have a river gauge installed on the Mississippi river	City/DNR	\$40,000 Installation	(L)3-5yrs	Complete		
Objective 2B: Shoreline Stabilization							
2B1	Work with a wide range of stakeholders to improve shoreline stabilization on Elm Creek and the Mississippi River	City / NNR / Watershed	\$150,000 x3= \$450,000. 00	(L)20yr	Complete		
Objective 2C: Wellhead Protection Plan							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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2C1	The wellhead protection plan is updated every 10 years and identifies potential hazards to the groundwater supply from infiltration of wells that are not properly capped or protected.	City Engineer	\$20,000	(M)10yrs	Ongoing	3	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Shoreline Stabilization							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Work with a wide range of stakeholders to improve shoreline stabilization on the Mississippi River and repair riverbank erosion	City / NNR / Watershed	\$150,000 x3= \$450,000.00	(L)20yr	Ongoing	Low	1, 2, 5
3A2	Work with a wide range of stakeholders to improve shoreline stabilization on the Champlin Mill Pond and repair reservoir erosion	City / NNR / Watershed	\$150,000 x3= \$450,000.00	(L)20yr	Ongoing	Low	1, 2, 5
3A3	Work with a wide range of stakeholders to improve shoreline stabilization on Elm Creek	City / NNR / Watershed	\$150,000 x3= \$450,000.00	(L)20yr	Ongoing	5	1, 2, 5
Objective 3B: Wellhead Protection Plan							
3B1	The wellhead protection plan is updated every 10 years and identifies potential hazards to the groundwater supply from infiltration of wells that are not properly capped or protected	City Engineer	\$20,000	(M)10yrs	Ongoing	3	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Wellhead Protection Plan							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Update the wellhead protection plan to identify potential hazards to the groundwater supply from infiltration of wells that are not properly capped or protected.	City Engineer	\$20,000	(M)10yrs	Ongoing	3	1
Objective 4B: Flood Forecasting							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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4B1	Work with a wide range of stakeholders to install a river gauge	City/DNR	\$40,000 Installation	(L)3-5yrs	Complete		
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Flood Forecasting							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Work with a wide range of stakeholders to install a river gauge	City/DNR	\$18,000 Annual Maintenance	(L)3-5yrs	Complete		
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Protection and Safeguarding of Vital City Data							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Improve the data backup and protection protocols for city records	City IT	\$22,000 \$4,000	(M)5yrs	Ongoing	1	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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9A1	Shoreline restoration of the Elm Creek as water levels change due to projected Climate change effecting source waters	City Engineer	\$450,000	6 Months	Ongoing	Low	1, 5
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Upgrade and replace City Campus generator to ensure continuity of government services should a large-scale power outage occur	City Utility Services	\$1.1 Million	5 years	Ongoing	4	1, 4, 5

Champlin 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Flood Forecasting	
Project Title/Action	1A1: Work with a wide range of stakeholders to have a river gauge installed on the Mississippi River
Project Status	Complete
Responsible Agency	City/DNR
OBJECTIVE: 1B: Effective No Wake Activation	
Project Title/Action	1B1: Work with a wide range of stakeholders to have a river gauge installed on the Mississippi River
Project Status	Complete
Summary of Project	River Gauge Annual Maintenance
Responsible Agency	City/DNR
OBJECTIVE: 1C: Wellhead Protection	
Project Title/Action	1C1: The wellhead protection plan identified potential hazards to the groundwater supply from infiltration of wells that are not properly capped or protected
Project Status	On-Schedule
Responsible Agency	City Engineer
OBJECTIVE: 1D: Protection and Safeguarding of Vital City Data	
Project Title/Action	1D1: Improve the Data Backup and protection Protocols for City records
Project Status	Anticipated completion date: 08/2024
Responsible Agency	City IT
OBJECTIVE: 2A: Flood Forecasting	
Project Title/Action	2A1: Work with a wide range of stakeholders to have a river gauge installed on the Mississippi River
Project Status	Complete
Responsible Agency	City/DNR
OBJECTIVE: 2B: Shoreline Stabilization	
Project Title/Action	2B1: Work with a wide range of stakeholders to improve shoreline stabilization on Elm Creek and the Mississippi River
Project Status	On-Schedule
Responsible Agency	City/NNR/Watershed
OBJECTIVE: 2C: Wellhead Protection Plan	
Project Title/Action	2C1: The wellhead protection plan is updated every 10 years and identifies potential hazards to the groundwater supply from infiltration of wells that are not properly capped or protected
Project Status	On-Schedule
Responsible Agency	City Engineer

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OBJECTIVE: 3A: Shoreline Stabilization	
Project Title/Action	3A1: Work with a wide range of stakeholders to improve shoreline stabilization on the Mississippi River and repair riverbank erosion
Project Status	On-Schedule
Project Title/Action	3A2: Work with a wide range of stakeholders to improve shoreline stabilization on the Champlin Mill Pond and repair reservoir erosion
Project Status	Complete
Project Title/Action	3A3: Work with wide range of stakeholders to improve shoreline stabilization on Elm Creek
Project Status	On-Schedule
Responsible Agency	City/NNR/Watershed
OBJECTIVE: 3B: wellhead protection plan	
Project Title/Action	3B1: The wellhead protection plan is updated every 10 years and identifies potential hazards to the groundwater supply from infiltration of wells that are not properly capped or protected.
Project Status	On-Schedule
Responsible Agency	City Engineer
OBJECTIVE: 4A: Wellhead protection plan	
Project Title/Action	4A1: Update the wellhead protection plan to identify potential hazards to the groundwater supply from infiltration of wells that are not properly capped or protected
Project Status	On-Schedule
Responsible Agency	City Engineer
OBJECTIVE: 4B: Flood forecasting	
Project Title/Action	4B1: Work with a wide range of stakeholders to install a river gauge
Project Status	Complete
Responsible Agency	City/DNR
OBJECTIVE: 5A: Flood forecasting	
Project Title/Action	5A1: Work with a wide range of stakeholders to install a river gauge
Project Status	Complete
Responsible Agency	City/DNR
OBJECTIVE: 7A: Protection and Safeguarding of vital City data	
Project Title/Action	7A1: Improve the data backup and protection protocols for city records
Project Status	On-Schedule
Responsible Agency	City IT

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3.3.5. CITY OF CHANHASSEN

Hennepin County - Chanhassen

Website: [Chanhassen, MN | Home \(chanhassenmn.gov\)](http://Chanhassen, MN | Home (chanhassenmn.gov))

Chanhassen is located in both Hennepin and Carver counties. The original name comes from the Dakota word chanhasen, meaning “sugar-maple-tree” (chan, tree; haza, a tree with sap). U.S. Route 212 and Minnesota State Highway 5 and 41 are three of the main routes in the city. Chanhassen is home to the Minnesota Landscape Arboretum, the Chanhassen Dinner Theaters, and Paisley Park Studios.

Population density: 1,253 people per square mile (low).

Tornado activity: Chanhassen-area historical tornado activity is slightly above Minnesota state average. It is 31% greater than the overall U.S. average.

Earthquake activity: Chanhassen-area historical earthquake activity is significantly above Minnesota state average. It is 53% smaller than the overall U.S. average.



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	25,868
H.S. Diploma or More - % of Adults 25+ (2022)	98.5%
Bachelor's Deg. or More - % of Adults 25+ (2022)	64.5%
Households (2022)	9,578
Total Housing Units (2022)	10,098
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	1.6%

Latitude/Longitude: 44.843578, -93.5697225
 Area: 22.88 sq. miles
 Area - Land only: 20.44 sq. miles (89%)
 Area - Water only: 2.44 sq. miles (11%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 2** Mitigation Priority 1
 - Partner with local agencies to enhance resident understanding of local hazards.
- 4** Mitigation Priority 2
 - Assess flood related hazards within the community.
- 5** Mitigation Priority 3
 - Coordinate with regional water districts to assess flood vulnerability.

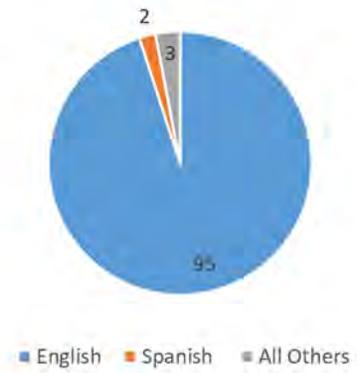
- Vulnerability**
- Bridges 30
 - Functional Needs 13
 - Monticello NPP: 33 Miles

- Capability**
- FCC Amateur Radio Licenses 53
 - Law Enforcement
 - Fire Protection
 - Park and Recreation
 - Roads and Highways

- Corporate/Top Employers**
- Lifetime Fitness 1171
 - Instant Web Companies 718
 - The Bernard Group 686
 - Rosemount Inc 550

- School District**
- 112

Language



https://apps.mla.org/map_data

Social Media:
www.facebook.com/ChanhassenMN

<https://www.city-data.com/city/Chanhassen-Minnesota.html>

2024 Chanhassen Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Enhance resident awareness.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Partner with local agencies to enhance resident understanding of local hazards.	Emergency Management	Personnel Time	Ongoing	Ongoing	1	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Assess flood related hazards within the community.	Emergency Management	Personnel Time	Ongoing	Ongoing	2	1, 6
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Coordinate with water districts.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Coordinate with regional water districts to assess flood vulnerability.	Emergency Management	Personnel Time	Ongoing	Ongoing	3	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Ensure building code compliance and inspections are conducted on new construction projects.							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Chanhasen 2018 – 2024 Mitigation Strategies Progress Report
No Prior Projects.

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3.3.6. CITY OF CORCORAN

Hennepin County - Corcoran

Corcoran was settled in 1855 and was organized on May 11, 1858. The city is named after Patrick B. Corcoran, the first schoolteacher, merchant, and postmaster of the town. The city of Corcoran was incorporated on December 4, 1948.

Website: <https://www.corcoranmn.gov/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	6,549
H.S. Diploma or More - % of Adults 25+ (2022)	95.3%
Bachelor's Deg. or More - % of Adults 25+ (2022)	48.4%
Households (2022)	2,402
Total Housing Units (2022)	2,423
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.9%

Latitude/Longitude: 45.1091235, -93.5841165
 Area: 36.00 sq. miles
 Area - Land only: 35.71 sq. miles (99%)
 Area - Water only: 0.28 sq. miles (1%)

Hazard Mitigation Project Goal Priority Ranking Aid

7 Mitigation Priority 1 (7A1)

- Conduct a regional study for future public safety infrastructure including a public safety center (possibly including a training center), fire station(s), and storm shelters, including site plan development, to support disaster response.

1 Mitigation Priority 2 (1A1)

- Identify and improve streets that are repeatedly flooded and washed away with improvements that include modifying and raising roads/streets, providing improved drainage, and storm damage removal.

7 Mitigation Priority 3 (7B1)

- St. Therese- Work with St. Therese to mesh their EOP with the City's

Vulnerability

- Lions Park
- Monticello NPP: 19 miles

Corporate/ Employer

- St. Therese
- Tessmer Dairy farm
- Farmers State Bank

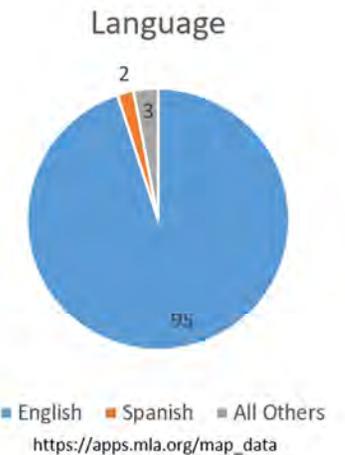
Capability

- Law Enforcement
- Public Works
- Fire (shared)
- Parks and Recreation
- FCC Registered Amateur Radio Licenses: 15

School District

- 877 Buffalo-Hanover-Montrose
- 883 Rockford
- 279 Osseo
- 879 Delano
- 284 Wayzata

Social Media:
 Facebook: <https://www.facebook.com/CorcoranMN/>
 Facebook: <https://www.facebook.com/CorcoranPDMN/>



2024 Corcoran Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Improve storm water drainage capacity							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Identify and improve streets that are repeatedly flooded and washed away with improvements that include modifying and raising roads/streets, providing improved drainage, and storm damage removal.	City	\$5,000,000.00	10 Years	On Schedule	2	1, 4, 5
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Increase severe weather awareness information for citizens.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Create and distribute severe weather awareness information for citizens in print and on the internet.	EM	\$2,000.00	3 years	Complete		
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Improve Area coverage maps							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Update all City Road and infrastructure maps in digital and print formats.	City	\$10,000.00	5 Years	On Schedule	6	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Objective 6A: Improve Outdoor Warning Siren Coverage							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Install an outdoor warning siren in the City’s northeast industrial district.	EM/City	\$35,000.00	5 years	On Schedule	4	1, 2
Objective 6B: Improve Outdoor Warning Siren Coverage							
6B1	Install an outdoor warning siren in the City’s northwest region.	EM/City	\$35,000.00	10 Years	On Schedule	7	1, 2
Objective 6C: Upgrade outdated warning Sirens							
6C1	Develop a replacement schedule for all outdoor warning sirens.	EM	Staff Time	1 year	Delayed	8	1
Goal 7: Support local communities’ capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Locate and develop sites to build a public safety center, fire station(s), and storm shelter.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Conduct a regional study for future public safety infrastructure including a public safety center (possibly including a training center), fire station(s), and storm shelters, including site plan development, in order to support disaster response.	City	\$100,000.00	5 Years	On Schedule	1	1, 4
7B1	St. Therese- Work with St. Therese to mesh their EOP with the City’s	EM	\$5,0000	3 Years	On Schedule	3	1
7C1	Hope Community- Work with Hope Community Development to mesh their EOP with the City’s	EM	\$5,0000	5 Years	On Schedule	5	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
 Volume 3 – Community Mitigation Strategies

Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Corcoran 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Improve storm water drainage capacity	
Project Title/Action	1A1: Identify and improve streets that are repeatedly flooded and washed away with improvements that include modifying and raising roads/streets, providing improved drainage, and storm damage removal
Project Status	On-Schedule
Responsible Agency	City
OBJECTIVE: 2A: Increase severe weather awareness information for citizens	
Project Title/Action	2A1: Create and distribute severe weather awareness information for citizens in print and on the internet
Project Status	Complete
Responsible Agency	City
OBJECTIVE: 5A: Improve Area coverage maps	
Project Title/Action	5A1: Update all City Road and infrastructure maps in digital and print forms
Project Status	On-Schedule
Responsible Agency	City/EM
OBJECTIVE: 6A: Improve Outdoor Warning Siren Coverage	
Project Title/Action	6A1: Install an outdoor warning siren in the City’s northeast industrial district
Project Status	On-Schedule
Responsible Agency	City/EM
OBJECTIVE: 6B: Improve Outdoor Warning Siren Coverage	
Project Title/Action	6B1: Install an outdoor warning siren in the City’s northwest region
Project Status	On-Schedule
Responsible Agency	City/EM
OBJECTIVE: 6C: Upgrade outdated warning sirens	
Project Title/Action	61C: Develop a replacement schedule for all outdoor warning sirens
Project Status	On-Schedule
Responsible Agency	EM
OBJECTIVE: 7A: Locate and develop sites to build a public safety center, fire station(s), and storm shelter	
Project Title/Action	7A1: Conduct a regional study for future public safety infrastructure including a public safety center (possibly including a training center), fire station(s), and storm shelters, including site plan development, to support disaster response
Project Status	Delayed
Responsible Agency	City

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3.3.7. CITY OF CRYSTAL

Hennepin County - Crystal

The city is bordered on the north by the city of Brooklyn Park, on the east by Brooklyn Center and Robbinsdale, on the south by Golden Valley and on the west by New Hope. Crystal has been awarded the “Minnesota Star City” designation for economic development. Minnesota State Highway 100 and County Road 81 are two of the main arterial routes in the city. Crystal Airport, a small general aviation field, is also located within the city limits.

Population density: 3,932 people per square mile (average).

Tornado activity: Crystal-area historical tornado activity is slightly above Minnesota state average. It is 28% greater than the overall U.S. average.

Earthquake activity: Crystal-area historical earthquake activity is significantly above Minnesota state average. It is 55% smaller than the overall U.S. average.

Hazard Mitigation Project Goal Priority Ranking Aid

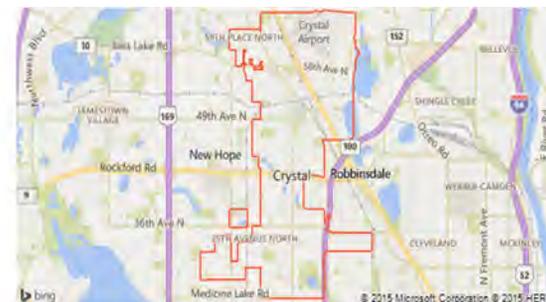
- 2** Mitigation Priority 1 (2G1)
 - Perform Home Safety Inspections
- 2** Mitigation Priority 2 (2H1)
 - Distribute info via variety media sources
- 4** Mitigation Priority 3 (4C1)
 - Increase the capacity of storm drainage system.

Website: www.crystalmn.gov



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	22,954
H.S. Diploma or More - % of Adults 25+ (2022)	94.9%
Bachelor's Deg. or More - % of Adults 25+ (2022)	35.7%
Households (2022)	9,381
Total Housing Units (2022)	9,696
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%



Latitude/Longitude: 45.0361855, -93.361999
 Area: 5.88 sq. miles
 Area - Land only: 5.78 sq. miles (98%)
 Area - Water only: 0.10 sq. miles (2%)

- Vulnerability**
- Bridges 1
 - Soo Line RR
 - Crystal Airport
 - Monticello NPP: 28 Miles

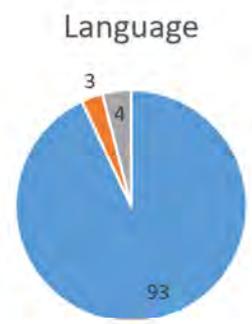
- Capability**
- Law Enforcement
 - West-Metro Fire (shared)
 - Parks and Recreation
 - Water/Sewer
 - Crystal Airport
 - Housing and Community Development
 - FCC Registered Amateur Radio Licenses: 87

Corporate/Employer

School District

- 281 Robbinsdale

Social Media:
 YouTube
 Facebook
 Instagram
 Nextdoor



■ English ■ Spanish ■ All others
https://apps.mla.org/map_data

<https://www.city-data.com/city/Crystal-Minnesota.html>

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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2024 Crystal Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Increase Hail Risk Awareness							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Mail brochures with water bills.	City Admin	\$648.00	Annually	Cancelled		
1A2	Post warnings at parks and public buildings	Public Works/Recreation	\$258.00	Spring 2017	Cancelled		
1A3	Social Media	Public works	\$240.00/Year	Annual	Complete		
Objective 1B: Lightning: Protect Critical Facilities and Equipment from Lightning.							
1B1	Install lightning protection devices	Public Works	\$10,250	Spring 2017	In-Progress	Low	1, 4, 5
1B2	Install surge protection.	Public works	-		In-Progress	Low	1
Objective 1C: Protect Power Lines and Infrastructure from Severe Winds.							
1C1	Establish standards for all utilities regarding tree pruning around lines.	Private Utility Companies	-	Annually	Ongoing	Low	1
1C2	Continue to trim Boulevard trees	Streets Division	-	Annually	Ongoing	Low	1
Objective 1D: Protect Public Buildings and Infrastructure from Extreme Winter Weather.							
1D1	Add insulation to walls and attics	Public Works	\$40,000	Spring 2018	Complete		
1D2	Retrofit buildings to withstand snow loads and prevent roof collapse.	City Engineer	Estimates for each project needed	Spring 2018	Delayed	Low	1, 4, 5
Objective 1E: Extreme Winter Weather							
1E1	Identify specific at-risk populations	PD/FD	Staff Hours	Fall 2017	Delayed	Low	1
1E2	Organize outreach programs.	PD/FD	Staff Hours	Fall 2017	Delayed	Low	1
Objective 1F: Protect Power Lines from Extreme Winter Weather.							
1F1	Bury existing power lines when possible.	Public works	Depends on the scope of the project	Ongoing	In-Progress	Low	1, 4, 5
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Extreme Cold: Educate property owners about freezing pipes.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

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2A1	Educate homeowners and builders on how to protect their pipes, including locating water pipes on the inside of the building insulation or keeping them out of attics, crawl spaces and outside walls.	Community Dev/Public Works	\$0	Annually during winter	Ongoing	Low	1
2A2	Educate homeowners that letting a faucet run a pencil width of water during extreme cold weather can prevent the buildup of excessive pressure in the pipe and avoid bursting.	Community Dev/ Public works	0	Annually during winter	Ongoing	Low	1
Objective 2B: Conduct Lightning Awareness Programs							
2B1	Post warning signs at parks and public buildings.	Parks and Rec	\$2,000	Spring 2018	Cancelled		
Objective 2C: Increase Severe Wind Risk Awareness							
2C1	Inform residents of shelter locations.	Parks and Rec	Fall Billing \$500	Spring Billing	Cancelled		
2C2	Ensure school district is aware of the best area of refuge in their buildings.	PD/FD	Staff Hours	Annual	Not started	Low	1
Objective 2D: Conduct Winter Weather Risk Awareness Actives							
2D1	Inform the public about severe winter weather impacts.	Public Works	\$0	Ongoing	Ongoing	Low	1
Objective 2E: Conduct Tornado Awareness Activities							
2E1	Educate citizens through media outlets.	Communications	0	Ongoing	Ongoing	Low	1
2E2	Conduct tornado drills at public buildings.	Admin	0	Spring Annually	Ongoing	Low	1
Objective 2F: Increase Hazard Education and Risk Awareness.							
2F1	Develop and implement a multi-hazard public awareness program.	West Metro Fire/HSEM	Use FEMA available material at no cost. Minimal Cost to create Local specific material.	Ongoing	Ongoing	Low	1

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Objective 2G: Perform Home Safety Inspections							
2G1	Maintain an in-home inspection program promoting fire safety.	FD	\$8,000	Ongoing	Ongoing	1	1
2G2	Install smoke detectors and CO detectors in homes.	FD	\$500	Ongoing	Ongoing	Low	1, 2
Objective 2H: Create a severe weather awareness campaign for citizens that covers sirens information, NOAA Weather Radios, How the National Weather Service issues warnings and the hazards that affect Hennepin County.							
2H1	Distribute info via variety media sources	Communications	0	Ongoing	Ongoing	2	1
Objective 2I: Educate the community on recreational fires and prohibit open burning							
2I1	Make recreational fire regulations readily available to community.	FD	0	Ongoing	Ongoing	Low	1
2I2	Use local media to increase awareness.	FD	0	Spring Annually	Ongoing	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Continue to use Surface Water Management Plan approved by both the Bassett Creek and Shingle Creek Water Management Commissions.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Submit development plans for review	Community Dev/Public Works	0	Ongoing	Ongoing	Low	1
Objective 3B: Monitor Water Supply							
3B1	Regularly check for leaks to minimize water supply losses.	Public Works	\$10,000	Ongoing	Delayed	Low	1
3B2	Improve water supply monitoring.	Utilities Division.	\$3,000	Ongoing	Cancelled		
3B3	Replace/ Upgrade water pipes in conjunction with utility projects	Public Works	Depends on the project	Ongoing	Ongoing	Low	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Improve Storm Water Management Planning							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Complete storm water drainage study for known problem areas.	Public Works	-	Spring 2017	Complete		
4A2	Prepare and adopt a storm water drainage plan and ordinance.	Commercial Dev/Public Works	-	Spring 2017	Complete		

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4A3	Replace/ Upgrade sewer and storm system in conjunction with utility projects	Public Works	-	Ongoing	Ongoing	Low	1, 4, 5
Objective 4B: Join or Improve Compliance with National Flood Insurance Program (NFIP)							
4B1	Participating in NFIP	Community Dev	0	Ongoing	Ongoing	Low	1
4B2	Adopt ordinances that meet minimum Federal and State requirements to comply with NFIP.	Community Dev	0	Ongoing	Complete		
Objective 4C: Improve Storm Water Drainage System Capacity							
4C1	Increase the capacity of storm drainage system.	Utilities	Varies	Ongoing	Ongoing	3	1, 4, 5
4C2	Install rain gardens to slow runoff and improve water quality	Engineering	\$100,000	Ongoing-Seeking improvement	Complete		
4C3	Continue with the established sewer maintenance program of jetting pipes.	Public Works	\$10,000	Spring 2016, Ongoing	Ongoing	3	1
Objective 4D: Reduce Extreme Winter Weather impact to Roadways							
4D1	Plan for and maintain adequate road and debris clearing capabilities.	Public Works	-	Spring 2017	Ongoing	Low	1
Objective 4E: Assess Overall Community Risk, Identify Target Hazards in Community							
4E1	Obtain local data, list all properties that have the potential greatest impact on community safety. Include public buildings, private business, places of gathering, and other locations, maintain the database	FD	-	Spring 2016	Delayed	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Update local emergency plans as needed and work with neighboring cities on their plan							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Meet with neighboring cities about emergency plans (each department)	City Managers	0	Summer 2016	Ongoing	Low	1

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5A2	Establish Joint EOC	West Metro, Both Cities	\$80,000	Project Began December 2015	Ongoing	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Incorporate Flood Mitigation in Local Planning							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Mitigating hazards during infrastructure planning.	Commercial Dev	Project Dependent	Fall 2017	Ongoing	Low	1, 4, 5
6A2	Obtaining easements for planned and regulated public use of privately-owned land for temporary water retention and drainage	Commercial Dev	-	Spring 2018	In-Progress	Low	1
Objective 6B: Adopt and Enforce Building Codes to protect against extreme winter weather							
6B1	Adopt International Building Code and International Residential Code.	Community Development	0	Ongoing	Complete		
Objective 6C: Map and Assess Vulnerability to Subsidence							
6C1	Use GIS to map areas that are susceptible to subsidence.	HCEM	\$0	Spring 2018	Ongoing	Low	1
Objective 6D: Ensure building compliance inspections are conducted on new construction projects.							
6D1	Review sites On Scheduled basis	Community Development	Inspection Hours	Ongoing	Ongoing	Low	1
6D2	Update and enforce zoning ordinances	Community Development	Inspection Hours	Annual	Ongoing	Low	1
Goal 7: Support local communities' capacity to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Create evacuation plan for a railroad emergency							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Determine a 1/2mile path on either side of the rail line.	HCEM	0	March 2016	Complete		
7A2	Educate the community on the evacuation plan.	Multiple	\$1,000	Winter 2017	Delayed	Low	1
Objective 7B: Identify businesses in the community that have hazardous processes and/or materials.							

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7B1	Pre plan businesses with inspections.	FD	0	Spring 2017	Ongoing	Low	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8a							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Identify underserved communities, vulnerable populations, and those with access and functional needs	HCEM/City	Staff time		Ongoing	Low	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9a							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Leverage existing and future infrastructure plans to identify opportunities for mitigation efforts	Public works	Depends on project	Ongoing	Ongoing	Low	1
9A2	Leverage grant opportunities to expand mitigation components on existing programmed projects	Public works	Depends on project	Ongoing	Ongoing	Low	1, 4
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10a							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Connect critical infrastructure to fiber network for improved communications and monitoring	Public Works	\$125,000	Multi-year	Complete		
10A2	Continue routine maintenance of critical infrastructure	Public Works	Varies	Ongoing	Ongoing	Low	1

Crystal 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Increase Hail Risk Awareness	
Project Title/Action	1A1: Mail brochures with water bills
Project Status	Canceled
Responsible Agency	City Admin
Project Title/Action	1A2: Post warnings at parks and public buildings
Project Status	Canceled
Responsible Agency	Public Works
Project Title/Action	1A3: Social media
Project Status	Complete
Responsible Agency	Public works
OBJECTIVE: 1B: Lightning: Protect Critical Facilities and Equipment from Lightning	
Project Title/Action	1B1: Install lightning protection systems
Project Status	Delayed
Responsible Agency	Public Works
Project Title/Action	1B2: Install surge protection
Project Status	Delayed
Responsible Agency	City of Crystal
OBJECTIVE: 1C: Protect Power Lines and Infrastructure from Severe Winds	
Project Title/Action	1C1: Establish standards for all utilities regarding tree pruning around lines
Project Status	Complete
Responsible Agency	Public Works
Project Title/Action	1C2: Continue to trim Boulevard trees
Project Status	Complete
Responsible Agency	Public works
OBJECTIVE: 1D: Protect Public Buildings and Infrastructure from Extreme Winter Weather	
Project Title/Action	1D1: Add insulation to walls and attics
Project Status	Complete
Responsible Agency	Public Works
Project Title/Action	1D2: Retrofit buildings to withstand snow loads and prevent roof collapse
Project Status	Canceled
Responsible Agency	City Engineer
OBJECTIVE: 1E: Extreme Winter Weather / Assist Vulnerable Populations	
Project Title/Action	1E1: Identify specific at-risk populations
Project Status	Delayed
Responsible Agency	PD / FD
Project Title/Action	1E2: Organize outreach programs
Project Status	Delayed
Responsible Agency	PD / FD
OBJECTIVE: 1F: Protect Power Lines from Extreme Winter Weather	
Project Title/Action	1F1: Bury existing power lines when possible
Project Status	On-Schedule
Responsible Agency	Public works

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OBJECTIVE: 2A: Extreme Cold: Educate property owners about freezing pipes	
Project Title/Action	2A1: Educate homeowners and builders on how to protect their pipes, including locating water pipes on the inside of the building insulation or keeping them out of attics, crawl spaces and outside walls
Project Status	Complete
Responsible Agency	Community Development/Public works
Project Title/Action	2A2: Educate homeowners that letting a faucet drip during extreme cold weather can prevent the buildup of excessive pressure in the pipe and avoid bursting
Project Status	Complete
Responsible Agency	Community Development/Public Works
OBJECTIVE: 2B: Conduct Lightning Awareness Programs	
Project Title/Action	2B1: Post warning signs at parks and public buildings
Project Status	Canceled
Responsible Agency	Public works
OBJECTIVE: 2C: Increase Severe Wind Risk Awareness	
Project Title/Action	2C1: Inform residents of shelter locations
Project Status	Canceled
Responsible Agency	Parks and Rec
Project Title/Action	2C2: Ensure school district is aware of the best area of refuge in their buildings
Project Status	Delayed
Responsible Agency	FD
OBJECTIVE: 2D: Conduct Winter Weather Risk Awareness Activities	
Project Title/Action	2D1: Inform the public about severe winter weather impacts
Project Status	Complete
Responsible Agency	Public works
OBJECTIVE: 2E: Conduct Tornado Awareness Activities	
Project Title/Action	2E1: Educate citizens through media outlets
Project Status	Complete
Responsible Agency	Public works /Administration
Project Title/Action	2E2: Conduct tornado drills at schools and public buildings
Project Status	Complete
Responsible Agency	Administration
OBJECTIVE: 2F: Increase Hazard Education and Risk Awareness	
Project Title/Action	2F1: Develop and implement a multi-hazard public awareness program
Project Status	Delayed
Responsible Agency	West Metro Fire / HSEM
OBJECTIVE: 2G: Perform Home Safety Inspections	
Project Title/Action	2G1: Maintain an in-home inspection promoting fire safety
Project Status	Complete
Responsible Agency	FD
Project Title/Action	2G2: Install smoke detectors and CO detectors in homes
Project Status	Complete
Responsible Agency	FD

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OBJECTIVE: 2H: Create a severe weather awareness campaign for citizens that covers sirens information, NOAA Weather Radios, How the National Weather Service issues warnings and the hazards that affect Hennepin County	
Project Title/Action	2H1: Distribute info via variety media sources
Project Status	Complete
Responsible Agency	Public works/ HCEM
OBJECTIVE: 2I: Educate the community on recreational fires and prohibit open burning	
Project Title/Action	2I1: Make recreational fire regulations readily available to community
Project Status	Complete
Responsible Agency	FD
Project Title/Action	2I2: Use local media to increase awareness
Project Status	Complete
Responsible Agency	FD/Communications
OBJECTIVE: 3A: Continue to use Surface Water Management Plan approved by both the Bassett Creek and Shingle Creek Water Management Commissions	
Project Title/Action	3A1: Submit development plans for review
Project Status	Complete
Responsible Agency	Public works
OBJECTIVE: 3B: Monitor Water Supply	
Project Title/Action	3B1: Regularly check for leaks to minimize water supply losses
Project Status	Delayed
Responsible Agency	Public Works
Project Title/Action	3B2: Improve water supply monitoring
Project Status	Complete
Responsible Agency	Utilities Division
Project Title/Action	3B3: Replace/Upgrade water pipes in conjunction with street projects
Project Status	Complete
Responsible Agency	Public works
OBJECTIVE: 4A: Improve Storm Water Management Planning	
Project Title/Action	4A1: Complete storm water drainage study for known problem areas
Project Status	Complete
Responsible Agency	Public Works
Project Title/Action	4A2: Prepare and adopt a storm water drainage plan and ordinance
Project Status	Complete
Responsible Agency	Community Development/Public Works
Project Title/Action	4A3: Replace/Upgrade sewer and storm system in conjunction with street projects
Project Status	Complete
Responsible Agency	Public Works

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OBJECTIVE: 4B: Join or Improve Compliance with National Flood Insurance Program (NFIP)	
Project Title/Action	4B1: Participating in NFIP
Project Status	Complete
Responsible Agency	Community Development/Public Works
Project Title/Action	4B2: Adopt ordinances that meet minimum Federal and State requirements to comply with NFIP
Project Status	Complete
Responsible Agency	Community Development
OBJECTIVE: 4C: Improve Storm Water Drainage System Capacity	
Project Title/Action	4C1: Increase the capacity of storm drainage system
Project Status	Complete
Responsible Agency	Public Works
Project Title/Action	4C2: Install rain gardens to slow runoff and improve water quality
Project Status	Complete
Responsible Agency	Public works
Project Title/Action	4C3: Continue with the established sewer maintenance program of jetting pipes
Project Status	Complete
Responsible Agency	Public Works
OBJECTIVE: 4D: Reduce Extreme Winter Weather impact to Roadways	
Project Title/Action	4D1: Plan for and maintain adequate road and debris clearing capabilities
Project Status	Complete
Responsible Agency	Public Works
OBJECTIVE: 4E: Assess Overall Community Risk, Identify Target Hazards in Community	
Project Title/Action	4E1: Obtain local data, list all properties that have the potential greatest impact on community safety. Include public buildings, private business, places of gathering, and other locations, maintain the database
Project Status	Delayed
Responsible Agency	FD/Community Development
OBJECTIVE: 5A: Update local emergency plans as needed and work with neighboring cities on their plan	
Project Title/Action	5A1: Meet with neighboring cities about emergency plans (each department)
Project Status	Complete
Responsible Agency	City Managers/NSEMPG
Project Title/Action	5A2: Establish joint EOC
Project Status	Complete
Responsible Agency	West Metro FD, Crystal, New Hope
OBJECTIVE: 6A: Incorporate Flood Mitigation in Local Planning	
Project Title/Action	6A1: Mitigating hazards during infrastructure planning
Project Status	Complete
Responsible Agency	Public Works
Project Title/Action	6A2: Obtaining easements for planned and regulated public use of privately-owned land for temporary water retention and drainage
Project Status	Complete
Responsible Agency	Community Development/Public works

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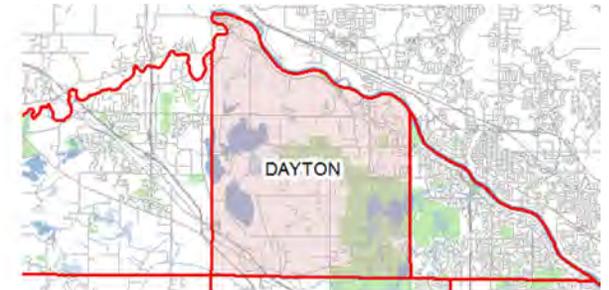
OBJECTIVE: 6B: Adopt and Enforce Building Codes to protect against extreme winter weather	
Project Title/Action	6B1: Adopt International Building Code and International Residential Code
Project Status	Complete
Responsible Agency	Community Development
OBJECTIVE: 6C: Map and Assess Vulnerability to Subsidence	
Project Title/Action	6C1: Use GIS to map areas that are susceptible to subsidence
Project Status	Delayed
Responsible Agency	LOGIS/County
OBJECTIVE: 6D: Ensure building compliance inspections are conducted on new construction projects	
Project Title/Action	6D1: Review sites on scheduled basis
Project Status	Complete
Responsible Agency	Community Development
Project Title/Action	6D2: Update and enforce zoning ordinances
Project Status	Complete
Responsible Agency	Community Development
OBJECTIVE: 7A: Create evacuation plan for a railroad emergency	
Project Title/Action	7A1: Determine a ½ mile path on either side of the rail line
Project Status	Complete
Responsible Agency	HCEM
Project Title/Action	7A2: Educate the community on the evacuation plan
Project Status	Delayed
Responsible Agency	Multiple
OBJECTIVE: 7B: Identify businesses in the community that have hazardous processes and/or materials	
Project Title/Action	7B1: Pre-Plan businesses with inspections
Project Status	Complete
Responsible Agency	FD

3.3.8. CITY OF DAYTON

Hennepin County - Dayton

Dayton is located in both Hennepin and Wright counties. It is the northernmost city in Hennepin County. The city of Dayton, platted in 1855, is named for city founder Lyman Dayton. Through his finances, Lyman Dayton was instrumental in bringing the railroad into Minnesota and development of the Lake Superior and Mississippi Railroad, of which he was President until 1865.

Website: [Home - City of Dayton MN](https://www.cityofdaytonmn.com/)



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	7,745
H.S. Diploma or More - % of Adults 25+ (2022)	94.9%
Bachelor's Deg. or More - % of Adults 25+ (2022)	43.6%
Households (2022)	2,744
Total Housing Units (2022)	2,816
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%

Latitude/Longitude: 45.199291, -93.471923
 Area: 25.14 sq. miles
 Area - Land only: 23.25 sq. miles (92%)
 Area - Water only: 1.90 sq. miles (8%)

Hazard Mitigation Project Goal Priority Ranking Aid

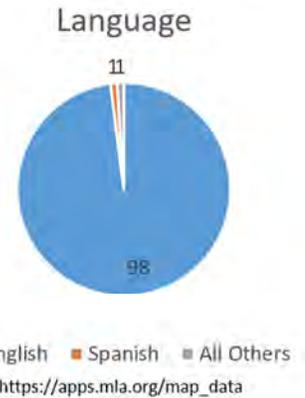
- 1** Mitigation Priority 1 (1C1)
 • Work with a wide range of stakeholders to install a river gauge on the Crow River at the discharge into the Mississippi.
- 1** Mitigation Priority 2 (1E4)
 • Upgrade EOC and Equipment for Severe Weather/Tornado Response.
- 1** Mitigation Priority 3 (1E3)
 • Update Dayton's warning siren system.

- Vulnerability**
- Burlington Northern Railroad
 - St. John the Baptist Catholic Church
 - Monticello NPP: 14 miles

- Corporate/Employer**
- Local retail
 - Golf courses (4)

- Capability**
- Law Enforcement
 - Fire
 - Public Works
 - FCC Registered Amateur Radio Licenses: 10

- School District**
- 11 Anoka-Hennepin



2024 Dayton Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Improve water system in NW Dayton							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Establish a backup water supply source for system users in case of well failure	City of Dayton	\$1 Mil	Short	Delayed	Low	1, 4, 5
1A2	Construct water storage to provide fire suppression	City of Dayton	\$2 Mil	Short	Delayed	Low	1
1A3	Explore emergency water supply connections to an adjacent community system.	City of Dayton	\$800,000	Short	Delayed	Medium	1
Objective 1B: Purchase Property in Flood Zone Area							
1B1	Update inundation map every 10 years	Wenck Engineering	\$5000	Long	Ongoing	Low	1
1B2	Review and update policies that discourage growth in flood-prone areas	City of Dayton	\$1,000	Medium	Ongoing	Medium	1
1B3	Educate homeowners in flood zone areas on options that can be offered to them	City of Dayton	\$1,000	Medium	Ongoing	Low	1
1B4	Promote the purchase of flood insurance for all residents in the flood zone	City of Dayton	\$1,000	Medium	Ongoing	Low	1
1B5	Promote community participation in the National Flood Insurance Program.	City of Dayton	\$1,000	Medium	Ongoing	Medium	1
1B6	Maintain sandbags and flood fighting equipment	City of Dayton	\$20,000	Long	Ongoing	Medium	1
Objective 1C: Flood Forecasting							
1C1	Work with a wide range of stakeholders to install a river gauge on the Crow River at the discharge into the Mississippi.	City of Dayton	\$200,000	Long	Ongoing	1	1, 2
Objective 1D: Wild land fire							
1D1	Develop and publicize evacuation plans and routes in areas threatened by wildland fires.	City of Dayton	\$1,000	Medium	Ongoing	Medium	1
1D2	Enforce burning restrictions	City of Dayton	\$1,000	Medium	Ongoing	Medium	1

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1D3	Encourage citizens to purchase and use smoke detectors.	City of Dayton	\$1,000	Medium	Ongoing	Medium	1
Objective 1E: Severe Weather/Tornado Response							
1E1	Replace the storm shelter with a safe room at the Dayton Park Properties	City of Dayton	\$353,000	Short	Complete		
1E2	Encourage residents with slab-on-grade homes to install a safe room during construction	City of Dayton	\$1,000	Long	Ongoing	Medium	1
1E3	Update Dayton’s warning siren system.	City of Dayton	\$150,000	Long	Ongoing	3	1
1E4	Upgrade EOC and Equipment for Severe Weather/Tornado Response.	City of Dayton	\$200,000	Long	Ongoing	2	1
1E5	Purchase generators or Install generators at Critical Infrastructure points in the city.	City of Dayton	\$300,000	Long	Ongoing	Low	1, 4, 5
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Shoreline/Bank Stabilization							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Work with a wide range of stakeholders to improve shoreline stabilization on the Mississippi River and repair riverbank erosion	City of Dayton	\$600,000	Long	Ongoing	Low	1, 5
3A2	Work with various stakeholders to improve shoreline stabilization on the Crow River and repair riverbank erosion.	City of Dayton	\$600,000	Long	Ongoing	Low	1, 5
3A3	Work with various stakeholders to improve bank stabilization along Oakview Ln wetlands and repair culverts.	City of Dayton	\$170,000	Long	Complete		
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A:							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Outdoor Warning Siren							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Identify future sites for new sirens in the new developments	City of Dayton	\$150,000	Long	Ongoing	Medium	1
Objective 6B: Purchase/Install generators							
6B1	Review and Install generators during the construction process of development	City of Dayton	\$300,000	Long	Cancelled		
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury Power Lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas	City of Dayton	\$450,000	Long	Ongoing	Medium	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							

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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Dayton 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Improve water system in NW Dayton	
Project Title/Action	1A1: Establish backup water supply source for system users in case of well failure
Project Status	Delayed
Project Title/Action	1A2: Construct water storage to provide fire suppression
Project Status	Delayed
Project Title/Action	1A3: Explore emergency water supply connection to adjacent community system
Project Status	Anticipated completion date: 2028
Responsible Agency	City of Dayton
OBJECTIVE: 1B: Purchase Property in Flood Zone Area	
Project Title/Action	1B1: Update inundation map every 10 years
Project Status	Delayed
Project Title/Action	1B2: Review and update policies that discourage growth in flood-prone areas
Project Status	Delayed
Project Title/Action	1B3: Educate homeowners in flood zone areas on options that can be offered to them
Project Status	Anticipated completion date: 2028
Project Title/Action	1B4: Promote the purchase of flood insurance for all residents in the flood zone
Project Status	Delayed
Project Title/Action	1B5: Promote community participation in the National Flood Insurance Program
Project Status	Anticipated completion date: 2028
Project Title/Action	1B6: Maintain sandbags and flood fighting equipment
Project Status	Anticipated completion date: 2026
Summary of Project	City of Dayton, Dayton Public Works
OBJECTIVE: 1C: Flood Forecasting	
Project Title/Action	1C1: Work with a wide range of stakeholders to have a river gauge installed on the Crow River at the discharge into the Mississippi
Project Status	Delayed
Responsible Agency	City of Dayton
OBJECTIVE: 1D: Wild Land Fire	
Project Title/Action	1D1: Develop and publicize evacuation plans and routes in areas threatened by wild land fires
Project Status	Anticipated completion date: 2027
Project Title/Action	1D2: Enforce burning restrictions
Project Status	Complete
Project Title/Action	1D3: Encourage citizens to purchase and use smoke detectors
Project Status	On-Schedule
Responsible Agency	City of Dayton

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OBJECTIVE: 1E: Severe Weather/Tornado Response	
Project Title/Action	1E1: Replace the storm shelter with a safe room at the Dayton Park Properties
Project Status	Complete
Project Title/Action	1E2: Encourage residents with slab on grade homes to install a safe room during construction
Project Status	Anticipated completion date: 2028
Project Title/Action	1E3: Update Dayton’s warning siren system
Project Status	Anticipated completion date: 2028
Project Title/Action	1E4: Upgrade EOC and Equipment for Severe Weather/Tornado Response
Project Status	Anticipated completion date: 2028
Project Title/Action	1E5: Purchase generators or install generators at Critical Infrastructure points in the city
Project Status	Anticipated completion date: 2025
Responsible Agency	City of Dayton, Public Works
OBJECTIVE: 3A: Shoreline/Bank Stabilization	
Project Title/Action	3A1: Work with a wide range of stakeholders to improve shoreline stabilization on the Mississippi River and repair riverbank erosion
Project Status	Delayed
Project Title/Action	3A2: Work with a wide range of stakeholders to improve shoreline stabilization on the Crow River and repair riverbank erosion
Project Status	Delayed
Project Title/Action	3A3: Work with a wide range of stakeholders to improve bank stabilization along Oakview LN wetlands and repair culverts
Project Status	Complete
Responsible Agency	City of Dayton
OBJECTIVE: 6A: Outdoor Warning Siren	
Project Title/Action	6A1: Identify future sites for new sirens in the new developments
Project Status	Anticipated completion date: 2027
OBJECTIVE: 6B: Purchase/Install generators	
Project Title/Action	6B1: Review and install generators during construction process of development
Project Status	Canceled
Responsible Agency	City of Dayton
OBJECTIVE: 7A: Bury Power Lines	
Project Title/Action	7A1: Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
Project Status	On-Schedule
Responsible Agency	City of Dayton

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3.3.9. CITY OF DEEPHAVEN

Hennepin County - Deephaven

Deephaven is located on the shores of Lake Minnetonka. It is 16 miles from Minneapolis and Minnetonka Boulevard serves as a main transportation route for the city. Deephaven is home to the Minnetonka Yacht Club and the historic Cottagewood General Store.

Website: City of Deephaven



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	3,852
H.S. Diploma or More - % of Adults 25+ (2022)	98.9%
Bachelor's Deg. or More - % of Adults 25+ (2022)	77.5%
Households (2022)	1,523
Total Housing Units (2022)	1,616
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	1.7%

Latitude/Longitude: 44.927662, -93.52581
 Area: 2.42 sq. miles
 Area - Land only: 2.37 sq. miles (98%)
 Area - Water only: 0.06 sq. miles (2%)

Hazard Mitigation Project Goal Priority Ranking Aid

5 Mitigation Priority 1 (5A2)
 • Continue participation in multi-jurisdictional / multi-agency tabletop, drill, and full-scale exercises.

2 Mitigation Priority 2 (2B1)
 • Participate as a member in local or regional hazard mitigation planning group.

2 Mitigation Priority 3 (2A2)
 • Provide information to the public on the city website and through public education opportunities.

Vulnerability

- Historic Cottagewood General store
- Function needs 48
- Monticello NPP: 29 miles

Corporate/Employer

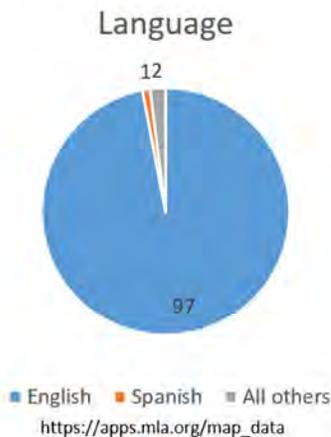
- Minnetonka Yacht Club

Capability

- Law Enforcement
- Police Chaplains Group
- Fire (shared with Excelsior)
- FCC Registered Amateur Radio Licenses: 7

School District

- 276 Minnetonka



2024 Deephaven Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A							
Action	Action	Action	Action	Action	Action	Priority	Funding Sources
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Educate the public to increase awareness of hazards and opportunities for mitigation actions.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Publicize and encourage the adoption of appropriate hazard mitigation actions.	LE, City Staff	5K	Medium	Complete		
2A2	Provide information to the public on the city website and through public education opportunities	LE, City Staff	5K	Medium	In Progress	3	1
Objective 2B: Promote partnerships between the state, counties, local jurisdictions, and partner agencies to identify, prioritize, and implement mitigation actions.							
2B1	Participate as a member in local or regional hazard mitigation planning group	LE, City Staff	5K	Medium	In Progress	2	1
2B2	Support or provide the public sector events, workshop, symposium, and continued education opportunities.	LE, City Staff	5K	Medium	In Progress	7	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Establish Multi-Jurisdictional partnership to reduce runoff							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							

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Objective 5A: Continue the promotion of partnerships with federal, state, and local entities to develop successful mitigation plans and operational strategies. Work towards a common comprehensive emergency operation plan that can be utilized on a larger regional platform.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Continue affording the opportunity for City Staff to attend or join emergency management associations like Lakes Area Emergency Management Planning Group, MEMA (Metropolitan Emergency Managers Association) and AMEM (Association of Minnesota Emergency Managers).	LE, HCEM, State and Local Affiliates.	20K	Long	In Progress	6	1
5A2	Continue participation in multi-jurisdictional / multi-agency tabletop, drill, and full-scale exercises.	LE, HCEM, State and Local Affiliates.	20K	Long	In Progress	1	1
5A3	Research and implement lessons learned from actual hazardous events from local, regional, and national jurisdictions to avoid probable mistakes from repeating themselves.	LE, HCEM, State and Local Affiliates.	20K	Long	In Progress	5	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Outdoor Warning Siren							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury power lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community to identify power lines which could be buried to reduce power failures.	LE, City Staff, City Council, Zoning, Xcel Energy	500K	Long	In Progress	4	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

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None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Deephaven 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 2A: Educate the public to increase awareness of hazards and opportunities for mitigation actions	
Project Title/Action	2A1: Publicize and encourage the adoption of appropriate hazard mitigation actions
Project Status	Anticipated completion date: 12/2026
Project Title/Action	2A2: Provide information to the public on the city website and through public education opportunities
Project Status	On-Schedule
Responsible Agency	LE, City Staff
OBJECTIVE: 2B: Promote partnerships between the state, counties, local jurisdictions, and partner agencies to identify, prioritize, and implement mitigation actions	
Project Title/Action	2B1: Participate as a member in local or regional hazard mitigation planning group
Project Status	On-Schedule
Project Title/Action	2B2: Support or provide the public sector events, workshop, symposium, and continued education opportunities
Project Status	Delayed
Responsible Agency	LE, City Staff
OBJECTIVE: 5A: Continue the promotion of partnerships with federal, state, and local entities to develop successful mitigation plans and operational strategies. Work towards a common comprehensive emergency operation plan that can be utilized on a larger regional platform	
Project Title/Action	5A1: Continue affording the opportunity for City Staff to attend or join emergency management associations like Lakes Area Emergency Management Planning Group, MEMA and AMEM.
Project Status	On-Schedule
Project Title/Action	5A2: Continue participation in multi-jurisdictional / multi-agency tabletop, drill, and full-scale exercises
Project Status	On-Schedule
Project Title/Action	5A3: Research and implement lessons learned from actual hazardous events from local, regional, and national jurisdictions to avoid probable mistakes from repeating themselves
Project Status	On-Schedule
Responsible Agency	LE, HCEM, State and Local Affiliates
OBJECTIVE: 7A: Bury Power Lines	
Project Title/Action	7A1: Work with the community to identify power lines which could be buried to reduce power failures
Project Status	On-Schedule
Responsible Agency	LE, City Staff, City Council, Zoning, Xcel Energy

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3.3.10. CITY OF EDEN PRAIRIE

Hennepin County - Eden Prairie

Eden Prairie is a suburb 12 miles southwest of downtown Minneapolis. The city lies on the north bank of the Minnesota River, upstream from the confluence with the Mississippi River. Eden Prairie is the seventh largest suburb and is composed of large lakes and ponds and has more than 170 miles of multi-use trails, 2,250 acres of parks, and 1,300 acres of open space. The city is home to more than 2,200 businesses and headquarters of Supervalu, ADC Telecommunications, MTS Systems Corporation and the Minnesota Vikings. Regionally known for Eden Prairie Center, it is also the hub for Southwest Transit, serving public transportation to three adjacent suburbs..

Population density: 1,950 people per square mile (low).

Tornado activity: Eden Prairie-area historical tornado activity is slightly above Minnesota state average. It is 32% greater than the overall U.S. average.

Earthquake activity: Eden Prairie-area historical earthquake activity is significantly above Minnesota state average. It is 54% smaller than the overall U.S. average.



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	63,623
H.S. Diploma or More - % of Adults 25+ (2022)	96.6%
Bachelor's Deg. or More - % of Adults 25+ (2022)	64.5%
Households (2022)	25,070
Total Housing Units (2022)	25,978
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.5%



Latitude/Longitude: 44.8454845, -93.459376

Area: 35.24 sq. miles

Area - Land only: 32.51 sq. miles (92%)

Area - Water only: 2.73 sq. miles (8%)

Hazard Mitigation Project Goal Priority Ranking Aid

1 Mitigation Priority 1 (1A1)
 • Incorporate mitigation strategies in EOP

10 Mitigation Priority 2 (10B3)
 • Welters way west of Abbott court. Lining of failed critical storm pipe.

9 Mitigation Priority 3 (9A1)
 • Reduce use of fossil fuel resources and migrate to EV Alternates

Vulnerability

- Hennepin Technical College
- Functional Needs 208
- Bridges 68
- Monticello NPP: 35 miles

Capability

- CodeRED
- Law Enforcement
- Fire Department
- Public Works
- Park and Recreation
- FCC Registered Amateur Radio Licenses: 202

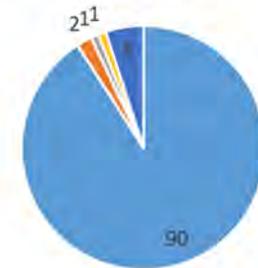
Corporate/Employees

1 Optum	4,000
2 C. H. Robinson Worldwide	1,517
3 Eden Prairie Schools	1,500
4 Starkey Hearing Technologies	1,440
5 Cigna	950
6 Eaton	850
7 SUPERVALU	850
8 Kroll Inc.	808
9 MTS Systems Corporation	808
10 Dell Compellent	750

School District

- 272 Eden Prairie

Language



English Spanish Russian
 Chinese All Others

https://apps.mla.org/map_data

<https://www.city-data.com/city/Eden-Prairie-Minnesota.html>

2024 Eden Prairie Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Identify potential hazards with other city state and Federal groups							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Incorporate mitigation strategies in EOP	EPFD	0	Ongoing	Ongoing	1	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Develop new programs, collaterals and talking points to use at specific public events							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Use the following areas to increase our touch points: Open House, Web Page, National Night Out, School Program	EPFD	500	Sept 2024	In Progress	Medium	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Work with other city resources for identification							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Incorporate in Emergency Operations Plan	EPFD	\$5,000	Sep 2024	In Progress	Medium	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Gather information on potential impacted areas							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Incorporate in Emergency Operations Plan	EPFD	0	Ongoing	Ongoing	Medium	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Coordination with other agencies							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Joint Operations exercises	EPFD	\$1,000	Jan 2024	In Progress	Medium	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

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None							
Goal 7: Support local communities’ capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: CERT and CSU Team Growth and Capabilities							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Recruitment of new members	EPFD	\$2,500	Ongoing	In Progress	Medium	1, 2
7A2	Monthly Training in house/with other CERT groups	EPFD	\$2,500	Ongoing	In Progress	Medium	1, 2
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A Work with Community Development to identify specific target areas							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Leverage Race Equity Action Team (REAT) to reach specific community groups.	EPFD	500	Sept 2024	In Progress	Medium	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A Explore alternative fuel options for Daily operational needs							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Reduce use of fossil fuel resources and migrate to EV Alternates	EPFD	75,000	Ongoing	In Progress	3	1
9A2	Incorporate battery equipment into Emergency Responses (Lights, saw, other light equipment	EPFD	20,000	Ongoing	In Progress	Low	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A Identify Community resources in this area							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Review capabilities and enhance resiliency of resources	EPFD	\$500	Sept 2024	In Progress	Medium	1
Objective 10B Identify public works projects to reduce impact from natural hazards							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

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10B1	Dell Road from Crestwood Terrace to CSAH 61. Replace a gravel rural road with a bituminous section road, includes a stormwater management system and a new concrete culvert crossing of Riley Creek.	EP Public Works	\$7.9M	2026-27	Planning	Medium	1, 4, 5
10B2	Purgatory Creek at Rainbow Drive Replace old failed corrugated metal pipe that carries Purgatory Creek under Rainbow Drive.	EP Public Works	\$250,000	2024	Scheduled	Medium	1, 4, 5
10B3	Welters way west of Abbott court. Lining of failed critical storm pipe.	EP Public Works	\$175,000	2024	Scheduled	2	1, 4, 5
10B4	EP Center Mall Installation of stormwater storage facility to reduce flood risk in flood prone area.	EP Public Works	\$1,000,000	2024-2025	Planning	Medium	1, 5
10B5	Lake Smetana Modify outlet structure from lake to reduce downstream flood risk.	EP Public Works	\$200,000	2024	Scheduled	Medium	1, 5
10B6	Valley View Road NW of Round Lake Reduce flood risk of Valley View Rd. by making stormwater storage and piping improvements.	EP Public Works	\$250,000	2025	Planning	Medium	1, 4, 5
10B7	Mitchell Rd. / Blakeney Rd. reduce flood risk with stormwater piping improvements.	EP Public Works	\$350,000	2025	Planning	Medium	1, 4, 5
10B7	Richard T Anderson conservation area. Retaining wall installation and slope stabilization to reduce steep slope failure.	EP Public Works	\$350,000	2024	Scheduled	Medium	1, 5

Eden Prairie 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Identify potential hazards with other city, state, and federal groups	
Project Title/Action	1A1: Incorporate mitigation strategies in EOP
Project Status	Anticipated completion date: Sept 2023
Responsible Agency	EPFD
OBJECTIVE: 2A: Develop new programs, collaterals, and talking points to use at specific public events	
Project Title/Action	2A1: Use the following areas to increase our touch points: Open House, Web Page, National Night Out, School Program
Project Status	On-Schedule
Responsible Agency	EPFD
OBJECTIVE: 3A: Work with other city resources for identification	
Project Title/Action	3A1: Incorporate in Emergency Operations Plan
Project Status	Anticipated completion date: Sept 2024
Responsible Agency	EPFD
OBJECTIVE: 4A: Gather information on potential impacted areas	
Project Title/Action	4A1: Incorporate in Emergency Operations Plan
Project Status	Complete
Responsible Agency	EPFD
OBJECTIVE: 5A: Coordination with other agencies	
Project Title/Action	5A1: Joint Operations exercises
Project Status	Anticipated completion date: Sept 2024
Responsible Agency	EPFD
OBJECTIVE: 7A: CERT and CSU Team Growth and Capabilities	
Project Title/Action	7A1: Recruitment of new members
Project Status	Anticipated completion date: Sept 2024
Project Title/Action	7A2: Monthly Training in house/with other CERT groups
Project Status	On-Schedule
Responsible Agency	EPFD

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3.3.11. CITY OF EDINA

Hennepin County - Edina

Edina is a first-ring suburb situated immediately southwest of Minneapolis. Edina began as a small farming and milling community in the 1860's and is today 95 percent developed metropolitan community. Edina began as part of Richfield Township 1850's. In 1888, the residents of the township held a meeting to consider founding a new village, thus separating themselves from Richfield Township. The idea was favorably accepted by those within the community and a committee was established to oversee the transition. Many major highways run through or are close to Edina, making it accessible to all within the metropolitan area. Minnesota State Highways 62 and 100 divide the city into four sections. U.S. Route 169 and Minnesota State Highway 100 extend north and south. Interstate 494 and Minnesota State Highway 62 east and west.

Population density: 3,386 people per square mile (average).

Tornado activity: Edina-area historical tornado activity is slightly above Minnesota state average. It is 31% greater than the overall U.S. average.

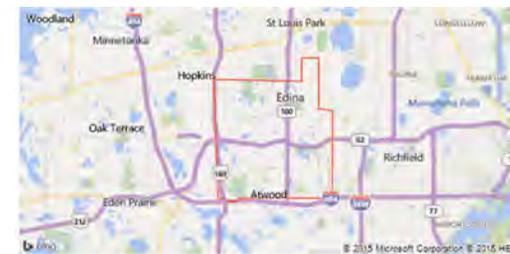
Earthquake activity: Edina-area historical earthquake activity is significantly above Minnesota state average. It is 55% smaller than the overall U.S. average.

Website: <https://www.edinamn.gov>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	53,037
H.S. Diploma or More - % of Adults 25+ (2022)	98.4%
Bachelor's Deg. or More - % of Adults 25+ (2022)	71.1%
Households (2022)	22,609
Total Housing Units (2022)	23,998
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	1.0%



Latitude/Longitude: 44.895282, -93.360126

Area: 15.97 sq. miles

Area - Land only: 15.45 sq. miles (97%)

Area - Water only: 0.52 sq. miles (3%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 1** Mitigation Priority 1 (1A1)
 - Twice a year review EOP to ensure all positions are updated with correct personnel and contact numbers.
- 2** Mitigation Priority 2 (2B1)
 - Provide another option for staff to obtain the necessary FEMA/DHS minimum training through classroom session.
- 8** Mitigation Priority 3 (8A2)
 - Create alternative response unit to provide access to critical emergency and non-emergency needs to connect residents with service connecting public safety through public health

- #### Vulnerability
- Functional Needs 370
 - Bridges 76
 - Monticello NPP: 36 miles

- #### Corporate/Employer
- Jerry's Foods HQ
 - Lund Foods HQ
 - Filmtech
 - Fairview Southdale Hospital
 - Macy's

- #### Social Media:
- Twitter
 - Facebook
 - Instagram
 - YouTube
 - NextDoor
 - Linked IN

- #### Capability
- Law Enforcement
 - Fire
 - ALS Ambulance
 - Parks and Recreation
 - Public Works
 - Fairview Southdale Hospital with Heliport
 - FCC Registered Amateur Radio Licenses: 149

- #### School District
- 273 Edina
 - Richfield
 - Hopkins

<https://www.city-data.com/city/Edina-Minnesota.html>

Language



2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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2024 Edina Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Review/update local emergency operations plan							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Twice a year review EOP to ensure all positions are updated with correct personnel and contact numbers.	Fire	0	Biannual	Ongoing	1	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Prepare position aids (job descriptions) for key EOC personnel							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Develop laminated JD for each of the key positions in the CFLOP organizational structure. These will be available for EOC personnel to reference during training or actual events.	Fire	200	2017	Complete		
Objective 2B: Conduct in-house IS 100 and 200 training for EOC personnel							
2B1	Provide another option for staff to obtain the necessary FEMA/DHS minimum training through classroom session.	Fire	100	2025	Ongoing	2	1
Objective 2C: Provide IS 300 training for key EOC personnel							
2C1	Identify key personnel to advance to IS 300 training. Bring in a training organization to provide training	TBD	2500	2024	In Progress	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Review/update FEMA and local watershed flood maps							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Work with Engineering Department to ensure updated maps are readily available. Have printed copies in EOC storage room. Review electronic access to records and history	Engineer	1000	2024	In progress	Low	1

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Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Prepare and have on hand in the EOC key City maps and essential ICS wall charts and forms							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Work with local All Hazards Incident Management Team to develop similar wall posters for our EOC.	Fire	300	2024	In progress	Medium	1
Objective 5B: Set up a pager group within our city CAD system for all primary and alternate EOC personnel and conduct test pages quarterly.							
5B1	Work with our Communications Center to put together a text message pager group for EOC personnel and conduct quarterly test pages.	Dispatch	0	2025	In Progress	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Incorporate Heritage Resources Disaster Management Planning report from Preservation Planning Consultant as reference to the City EOP							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Obtain report from Heritage Preservation Consultant to have as a reference to the EOP. The report outlines the important disaster management practices recommended by the consultant.	Planning	0	2024	In progress	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Develop city damage assessment plan (DAP)							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Prepare written DAP that outlines key personnel and their responsibilities. Send draft document out to all entities listed in the plan to gain their feedback before final plan. Provide training to all key personnel and evaluate and adjust plan accordingly.	Fire	500	2025	In progress	Low	1
Objective 7B: Conduct one Technology EOC activation and one Full EOC activation annually.							

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7B1	Technology activation brings in our IT Department to setup all the computers and phones and update any necessary software. The Full EOC activation will bring primary and alternate EOC personnel together.	IT/Fire	0	Annual	Ongoing	4	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Identify communication methods that best serve populations in regard to EM events that impact residents	Fire/ Communications	500	2024	In Progress	5	1
8A2	Create alternative response unit to provide access to critical emergency and non-emergency needs to connect residents with service connecting public safety through public health	Fire/ Public Health	400,000	2024	In Progress	3	1
8A3	Review and implement strategies from the Bike and Pedestrian plan to better improve safety and travel for non-vehicle traffic. Improving access for all populations across roadways and other difficult to access areas of the community.	Engineering	1,000,000	2027	Ongoing	Low	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Conversion to renewable energy fleet EV alternatives	Sustainability	75000	Ongoing	In Progress	Low	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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10A1	Review current critical infrastructure needs to ensure reliability in natural hazards.	Fire	1000	2025	In Progress	6	1
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Edina 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Review/Update local emergency operations plan	
Project Title/Action	1A1: Twice a year review EOP to ensure all positions are updated with correct personnel and contact numbers
Project Status	On-Schedule
Responsible Agency	Fire
OBJECTIVE: 2A: Prepare position aids (job descriptions) for key EOC personnel	
Project Title/Action	2A1: Develop laminated JD for each of the key positions in the CFLOP organizational structure. These will be available for EOC personnel to reference during training or actual events
Project Status	Complete
Responsible Agency	Fire
OBJECTIVE: 2B: Conduct in-house IS 100 and 200 training for EOC personnel	
Project Title/Action	2B1: Provide another option for staff to obtain the necessary FEMA/DHS minimum training through classroom session
Project Status	Anticipated completion date: Q2 2025
Responsible Agency	Fire
OBJECTIVE: 2C: Provide IS 300 training for key EOC personnel	
Project Title/Action	2C1: Identify key personnel to advance to IS 300 training. Bring in a training organization to provide training
Project Status	On-Schedule
Responsible Agency	Edina
OBJECTIVE: 4A: Review/Update FEMA and local watershed flood maps	
Project Title/Action	4A1: Work with engineering department to ensure updated maps are readily available. Have printed copies in EOC storage room
Project Status	Anticipated completion date: Q4 2024
Responsible Agency	Engineer
OBJECTIVE: 5A: Prepare and have on hand in the EOC key City maps and essential ICS wall charts and forms	
Project Title/Action	5A1: Work with local All Hazards Incident Management Team to develop similar wall posters for our EOC
Project Status	On-Schedule
Responsible Agency	Fire
OBJECTIVE: 5B: Set up a pager group within our city CAD system for all primary and alternate EOC personnel and conduct test pages quarterly	
Project Title/Action	5B1: Work without Communications Center to put together a text message pager group for EOC personnel and conduct quarterly test pages
Project Status	On-Schedule
Responsible Agency	Dispatch
OBJECTIVE: 6A: Incorporate Heritage Resources Disaster Management Planning report from Preservation Planning Consultant as reference to the city EOP	
Project Title/Action	6A1: Obtain report from Heritage Preservation Consultant to have as a reference to the EOP. The report outlines the important disaster management practices recommended by the consultant
Project Status	Delayed
Responsible Agency	Planning

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OBJECTIVE: 7A: Develop city damage assessment plan (DAP)	
Project Title/Action	7A1: Prepare written DAP that outlines key personnel and their responsibilities. Send draft document out to all entities listed in the plan to gain their feedback before final plan. Provide training to all key personnel and evaluate and adjust plan accordingly
Project Status	On-Schedule
Responsible Agency	Fire
OBJECTIVE: 7B: Conduct one Technology EOC activation and one Full EOC activation annually	
Project Title/Action	7B1: Technology activation brings in our IT Department to setup all the computers and phones and update any necessary software. The Full EOC activation will bring primary and alternate EOC personnel together
Project Status	On-Schedule
Responsible Agency	IT/Fire

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3.3.12. CITY OF EXCELSIOR

Hennepin County - Excelsior

Excelsior was founded in the 1850s as a destination for vacationers, primarily from the cities of Minneapolis and St. Paul. Throughout the years, Excelsior's Water Street has been the home to many businesses, including hotels, restaurants, and merchants. Minnesota State Highway 7 serves as a main transportation route.

City Website: <https://www.ci.excelsior.mn.us>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	2,257
H.S. Diploma or More - % of Adults 25+ (2022)	99.7%
Bachelor's Deg. or More - % of Adults 25+ (2022)	48.2%
Households (2022)	1,059
Total Housing Units (2022)	1,331
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	10.1%

Latitude/Longitude: 44.902228, -93.5658285
 Area: 0.69 sq. miles
 Area - Land only: 0.63 sq. miles (91%)
 Area - Water only: 0.06 sq. miles (9%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 2** Mitigation Priority 1
• Achieve certification in the National Weather Service Storm Ready Program.
- 2** Mitigation Priority 2
• Host annual severe weather awareness courses.
- 2** Mitigation Priority 3
• Host annual SkyWarn course for local citizens and first responders.

Vulnerability

- Bridges 4
- Functional Needs 103
- Monticello NPP: 30 miles

Corporate/Employer

- Retail
- Recreation

Capability

- Public Works
- Fire Department
- South Lake Police
- Police Chaplains Group
- Park and Recreation
- FCC Registered Amateur Radio Licenses: 31

School District

- 276 Minnetonka

Language



■ English ■ Spanish
https://apps.mla.org/map_data

2024 Excelsior Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Achieve certification in the National Weather Service Storm Ready Program							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Achieve certification in the National Weather Service Storm Ready Program	SLMPD	Staff Time	1-2yrs	Ongoing	1	1
Objective 2B: Improve citizens understanding of available communications for notification of severe weather warnings							
2B1	Host annual severe weather awareness courses.	SLMPD	Staff Time	3-5yrs	Ongoing	2	1
2B2	Host annual SkyWarn course for local citizens and first responders.	SLMPD	Staff Time	3-5yrs	Ongoing	3	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Reducing Phosphorus in Crystal Lake							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Objective 6A: Ensure building code compliance and inspections are conducted on new construction projects.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Design and implement checklists with timelines for all new building projects.	Planning	Staff Time	3-5yrs	Ongoing	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Excelsior 2018-2024 Mitigation Project Progress Report	
OBJECTIVE: 2A: Achieve certification in the National Weather Service Storm Ready Program	
Project Title/Action	2A1: Achieve certification in the National Weather Service Storm Ready Program
Project Status	Delayed
Responsible Agency	SLMPD
OBJECTIVE: 2B: Improve citizens understanding of available communications for notification of severe weather warnings	
Project Title/Action	2B1: Host annual severe weather awareness courses
Project Status	Delayed
Project Title/Action	2B2: Host annual SkyWarn course for local citizens and first responders
Project Status	Delayed
Responsible Agency	SLMPD
OBJECTIVE: 6A: Ensure building code compliance and inspections are conducted on new construction projects	
Project Title/Action	6A1: Design and implement checklists with timelines for all new building projects
Project Status	Delayed
Responsible Agency	Planning

3.3.13. FORT SNELLING

Hennepin County - Fort Snelling

Fort Snelling, originally known as Fort St. Anthony, is a former military fortification located at the confluence of the Minnesota and Mississippi Rivers in Hennepin County. Has a population of 442 people. Total area of 6.7 miles. Additionally, 4.65% of the total area of Fort Snelling is covered by water. Fort Snelling is an unincorporated area with several partner agencies covering the area. Hennepin County Emergency Management is the primary agency that supports the area during times of emergency preparation or declared disaster.



Corporate/Employer

- Air Force Reserve
- Army Reserve
- VA medical center
- MAC

Vulnerability

- Monticello NPP: 41 miles
- Military Installations
- Federal Buildings

Capability

- Multi Agency Coordination

School District

- None

Hazard Mitigation Project Goal Priority Ranking Aid

- 1

Mitigation Priority 1 F-19 Construct Flood Control Measures (p. 29)

 - Using small construction projects such as walls and berms in areas that cannot be mitigated through non-structural activities. Additionally using materials on existing riverbanks for flood protection.
- 3

Mitigation Priority 2 F-7 Improve Flood Risk Assessment (p. 25)

 - Specifically incorporating technology and procedure to better track high water marks, using GIS in conjunction with developed plans to aid in historical flood impact and analysis of future impact. Future mitigation projects may include reimplementation of a river gauge local to the confluence of the Minnesota and Mississippi rivers.
- 4

Mitigation Priority 3 LS-1 Map and Assess Vulnerability to Landslides

 - Based on data and recommendations from the 2020 Hennepin County Landslide Hazard Atlas, the Fort Snelling area along the Mississippi River gorge is vulnerable to sudden landslides that are difficult to predict (p. 21). Systems and tools to monitor land movement, as well as better systems to log and share information on landslide hazards are possible mitigation projects. Specific areas along the Mississippi River gorge are identified in the Landslide Hazard Atlas.
 - LS-3 Preventing Impacts to Roadways identifies implementing monitoring tools and stabilization measures along roadways to mitigate risk to landslides. The vulnerable areas along the Mississippi River Gorge in Hennepin County are predominantly traveled by trail, and areas can use these same mitigation measures along traveled routes.



2024 Fort Snelling Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Build up physical flood control measures							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Construct flood control walls and berms.	Fort Snelling	\$1 Million	6 Months	Not Started	1	1, 5
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Enhance awareness of flooding hazards.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Conduct flood vulnerability assessment.	Fort Snelling	Personnel Time	3 Months	Not Started	2	1, 6
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Enhance awareness of landslide hazards.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Conduct landslide vulnerability assessment.	Fort Snelling	Personnel Time	3 Months	Not Started	3	1, 5
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Ensure building code compliance and inspections are conducted on new construction projects.							

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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Fort Snelling 2018-2024 Mitigation Project Progress Report
No Prior Projects.

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3.3.14. CITY OF GOLDEN VALLEY

Hennepin County - Golden Valley

Golden Valley is a western suburb of Minneapolis and is the main corporate headquarters of General Mills and Pentair. More than 30,000 people work in Golden Valley due to the presence of large employers such as General Mills, Honeywell, and Pentair. Interstate 394, U.S. Route 169, and Minnesota State Highways 55 and 100 are four of the main arterial routes in the city.

Population density: 2,145 people per square mile (low).

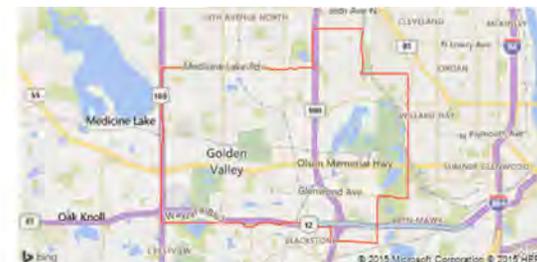
Tornado activity: Golden Valley-area historical tornado activity is slightly above Minnesota state average. It is 29% greater than the overall U.S. average.

Earthquake activity: Golden Valley-area historical earthquake activity is significantly above Minnesota state average. It is 55% smaller than the overall U.S. average.

City Website: <https://goldenvalleymn.gov/>



<https://www.statsamerica.org/town/>



People & Housing	
Population Estimate (2022)	22,142
H.S. Diploma or More - % of Adults 25+ (2022)	96.0%
Bachelor's Deg. or More - % of Adults 25+ (2022)	59.9%
Households (2022)	9,778
Total Housing Units (2022)	10,269
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	1.3%

Latitude/Longitude: 44.991724, -93.359641
 Area: 10.57 sq. miles
 Area - Land only: 10.23 sq. miles (97%)
 Area - Water only: 0.35 sq. miles (3%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 2** Mitigation Priority 1
 - Partner with local agencies to enhance resident understanding of local hazards.
- 4** Mitigation Priority 2
 - Assess flood related hazards within the community.
- 5** Mitigation Priority 3
 - Coordinate with regional water districts to assess flood vulnerability.

Vulnerability

- Functional needs 1223
- Bridges 112
- Monticello NPP: 30 miles

Capability

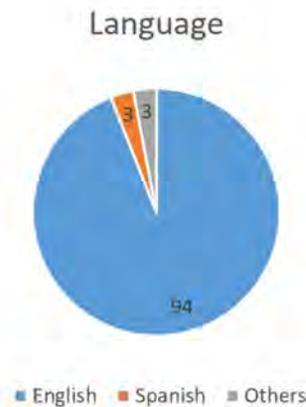
- Police
- Fire
- FCC Registered Amateur Radio Licenses: 88

Corporate/Employer

- General Mills 4,500
- Allianz Life 1,800
- Optum Health 1,700
- Honeywell 1,700
- GH Tennant Co 729
- Mortenson Construction 600
- Courage Center 450

School District

- 270 Hopkins
- 281 Robbinsdale



https://apps.mia.org/map_data

<https://www.city-data.com/city/Golden-Valley-Minnesota.html>

2024 Golden Valley Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Enhance resident awareness.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Partner with local agencies to enhance resident understanding of local hazards.	Emergency Management	Personnel Time	Ongoing	Ongoing	1	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Assess flood related hazards within the community.	Emergency Management	Personnel Time	Ongoing	Ongoing	2	1, 6
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Coordinate with water districts.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Coordinate with regional water districts to assess flood vulnerability.	Emergency Management	Personnel Time	Ongoing	Ongoing	3	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Ensure building code compliance and inspections are conducted on new construction projects.							

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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Golden Valley 2018 – 2024 Mitigation Strategies Progress Report
No Prior Projects.

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3.3.15. CITY OF GREENFIELD

Hennepin County - Greenfield

Greenfield is located along the Crow River, which flows through the Downtown River District and divides Hennepin County and Wright County. The Village of Greenfield, now known as the City of Greenfield, was set apart by the Hennepin County Commissioners on April 10, 1858. The original name, Greenwood, reflected the appearance of the terrain, which was commonly referred to by native Sioux, Chippewa and Ojibeway as "Big Woods". Minnesota State Highway 55 serves as the main road into and out of the city.

City Website: <https://www.ci.greenfield.mn.us/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	2,909
H.S. Diploma or More - % of Adults 25+ (2022)	99.1%
Bachelor's Deg. or More - % of Adults 25+ (2022)	50.1%
Households (2022)	1,001
Total Housing Units (2022)	1,006
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%

Latitude/Longitude: 45.1078495, -93.705623

Area: 21.55 sq. miles

Area - Land only: 20.40 sq. miles (95%)

Area - Water only: 1.15 sq. miles (5%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 1

Mitigation Priority 1 (1A2)

 - Implement capital improvement program projects intended to reduce flood potential.
- 3

Mitigation Priority 2 (3B1)

 - Apply for grants from BWSR and Hennepin County to fund products that will reduce phosphorous levels coming from the Dance Hall Creek Sub-watershed for water quality.
- 3

Mitigation Priority 3 (3B2)

 - Work with Pioneer Sarah Creek Watershed to identify and carry out projects to reduce TMDL levels.

Vulnerability

- Monticello NPP: 15 Miles

Capability

- Public Works
- Hanover/Loretto/Rockford Fire
- FCC Registered Amateur Radio Licenses: 2

Corporate/Employer

School District

- 877 Buffalo-Hanover-Montrose
- 883 Rockford

Language



■ English
https://apps.mla.org/map_data

2024 Greenfield Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural and man-made hazards							
Objective 1A: Drainage/Culvert Improvements: Develop a repair/replacement plan for ditching and culvert replacement							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Implement storm water management plan	City of Greenfield	15K/Year	Complete	Complete		
1A2	Implement capital improvement program projects intended to reduce flood potential	City of Greenfield	15K/Year	Ongoing	Ongoing	1	1
Goal 2: Increase education, outreach, and awareness							
Objective 2A: Educate the public to increase awareness of hazards and opportunities for mitigation action							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Provide information to the public on the city website and other opportunities.	City of Greenfield	Staff Time	Complete	Complete		
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Promote storm water management							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Adopt and implement storm water utility plan for future water quality.	City of Greenfield	Staff Time	Complete	Complete		
Objective 3B: Reduce phosphorous levels of Lake Sarah							
3B1	Apply for grants from BWSR and Hennepin County to fund products that will reduce phosphorous levels coming from the Dance Hall Creek Sub-watershed for water quality	City of Greenfield, financial partners, Watershed	5K Grants	Ongoing	Ongoing	2	1
3B2	Work with Pioneer-Sarah Creek Watershed to identify and carry out projects to reduce TMDL levels	Greenfield/ Watershed	Staff Time	Ongoing	Ongoing	3	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Assess areas that are predisposed to natural disasters or manmade hazards that could be responsible for financial and/or personal impact.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

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4A1	Review areas of impact with staff – secure portable generator for Water Plant	City of Greenfield	50K	Complete	Complete			
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.								
Objective 5A: Wellhead Protection Plan								
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources	
5A1	Continue to meet State and Federal regulations with the plan	City of Greenfield	Staff Time	Complete	Complete			
Goal 6: Promote disaster-resistant future development								
Objective 6A: Complete City coverage with outdoor warning sirens								
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources	
6A1	Install the remaining four sirens at the sites that have been identified	City of Greenfield	90K	Cancelled	Cancelled	Cancelled	1	
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.								
Objective 7A:								
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources	
None								
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.								
Objective 8A								
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources	
None								
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment								
Objective 9A								
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources	
None								
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards								
Objective 10A								

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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Greenfield 2018-2024 Mitigation Project Progress Report	
OBJECTIVE: 1A: Flooding – Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding	
Project Title/Action	1A1: Implement storm water management plan
Project Status	On-Schedule
Responsible Agency	Greenfield Public Works
Project Title/Action	1A2: Implement capital improvement program projects intended to reduce flood potential
Project Status	On-Schedule
Responsible Agency	Greenfield Public Works
OBJECTIVE: 2A: Educate the public to increase awareness of hazards and opportunities for mitigation action	
Project Title/Action	2A1: Provide information to the public on the city website and other opportunities
Project Status	On-Schedule
Responsible Agency	City of Greenfield
OBJECTIVE: 3A: Promote storm water management	
Project Title/Action	3A1: Adopt and implement storm water utility plan for future water quality
Project Status	Complete
Responsible Agency	City of Greenfield
OBJECTIVE: 3B: Reduce phosphorous levels of Lake Sarah	
Project Title/Action	3B1: Apply for grants from BWSR and Hennepin County to fund products that will reduce phosphorous levels coming from the Dance Hall Creek Sub-watershed for water quality
Project Status	On-Schedule
Responsible Agency	City of Greenfield
Project Title/Action	3B2: Work with Pioneer-Sarah Creek Watershed to identify and carry out projects to reduce TMDL levels
Project Status	On-Schedule
Responsible Agency	City of Greenfield
OBJECTIVE: 4A: Assess areas that are predisposed to natural disasters or manmade hazards that could be responsible for financial and/or personal impact	
Project Title/Action	4A1: Review areas of impact with staff – secure portable generator for Water Plant
Project Status	Complete
Responsible Agency	City of Greenfield
OBJECTIVE: 5A: Wellhead Protection Plan	
Project Title/Action	5A1: Continue to meet State and Federal regulations with the plan
Project Status	On-Schedule
Responsible Agency	City of Greenfield
OBJECTIVE: 6A: Complete City coverage with outdoor warning sirens	
Project Title/Action	6A1: Install the remaining four sirens at the sites that have been identified
Project Status	On-Schedule
Responsible Agency	City of Greenfield

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3.3.16. CITY OF GREENWOOD

Hennepin County - Greenwood

Founded in 1956, Greenwood is located 20 minutes west of Minneapolis on Highway 7. Greenwood is a statutory city with an elected mayor and four city council members. Approximately 700 residents live in the city, and half the properties are located on beautiful Lake Minnetonka.

EMERGENCY PREPAREDNESS

The city of Greenwood is part of the Lake Minnetonka Regional Emergency Preparedness Plan. The South Lake Minnetonka Police Department (SLMPD) has primary responsibility for coordinating and implementing this plan for Greenwood as well as the cities of Excelsior, Shorewood, and Tonka Bay. This is done in partnership with the Excelsior Fire District (EFD), which serves these same four communities along with the city of Deephaven. The Emergency Operation Center for these communities is located at the South Lake Minnetonka Public Safety Facility in Shorewood.

City Website: <https://www.greenwoodmn.com/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	742
H.S. Diploma or More - % of Adults 25+ (2022)	100.0%
Bachelor's Deg. or More - % of Adults 25+ (2022)	79.6%
Households (2022)	276
Total Housing Units (2022)	335
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	13.7%

Latitude/Longitude: 44.910854, -93.5519775
 Area: 0.61 sq. miles
 Area - Land only: 0.36 sq. miles (59%)
 Area - Water only: 0.25 sq. miles (41%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 6** Mitigation P1- (6A1)
• Identify storm water problem areas and incorporate improvements into capital plan.
- 6** Mitigation P2- (6B1)
• Include language in building code recommending buried power lines.
- 2** Mitigation P3- (2A1), (2A2)
Host annual SkyWarn awareness course
Host annual SkyWarn course for local citizens and first responders

Vulnerability

- Flooding location
- Monticello NPP: 29 miles

Corporate/Employer

- Bridgewater Bank
- Old Log Theater

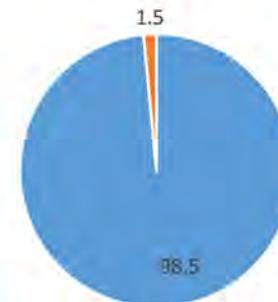
Capability

- Police- Southlake
- Police Chaplains Group
- Fire-Excelsior
- Public Works- Deephaven
- FCC Registered Amateur Radio Licenses: 1

School District

- 276 Minnetonka

Language



■ English ■ Spanish

https://apps.mla.org/map_data

2024 Greenwood Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Improve citizens understanding of available communications for notification of severe weather warnings.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Host annual severe weather awareness courses.	SLMPD	Staff Time	Ongoing	Ongoing	3	1
2A2	Host annual SkyWarn course for local citizens and first responders.	SLMPD	Staff Time	Ongoing	Ongoing	4	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Upgrade storm water infrastructure							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

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6A1	Identify storm water problem areas and incorporate improvements into capital plan.	Public Works	\$30,000	5 Years	Ongoing	1	1
Objective 6B: Encourage new or existing power lines to be buried for the reduction of future power outages							
6B1	Include language in building code recommending buried power lines.	Zoning	Staff Time	2016	Ongoing	2	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Greenwood 2018 – 2024 Mitigation Strategies Progress Report	
Under Revision by the Jurisdiction	
OBJECTIVE: 2A: Improve citizens understanding of available communications for notification of severe weather warnings.	
Project Title/Action	Host annual severe weather awareness courses.
Project Status	Ongoing
Responsible Agency	City of Greenwood
Project Title/Action	Host annual SkyWarn course for local citizens and first responders.
Project Status	Ongoing
Responsible Agency	City of Greenwood
OBJECTIVE: 6A: Complete City coverage with outdoor warning sirens	
Project Title/Action	Identify storm water problem areas and incorporate improvements into capital plan.
Project Status	Ongoing
Responsible Agency	City of Greenwood
Project Title/Action	Include language in building code recommending buried power lines.
Project Status	Ongoing
Responsible Agency	City of Greenwood

3.3.17. CITY OF HANOVER

Hennepin County - Hanover

Hanover is in both Wright and Hennepin Counties, just a few miles southwest of St. Michael/Albertville. Hanover is mainly located within Wright County; only a small part of the city extends into Hennepin County. The North Crow River flows right through the downtown district and serves as the dividing line between Hennepin and Wright county. County Road 19 serves as a main route of transportation for Hanover. Even though Hanover is partly in the metropolitan county of Hennepin, it does not fall under the jurisdiction of the Twin Cities Metropolitan Council.

City Website: <https://www.hanovermn.org/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	3,454
H.S. Diploma or More - % of Adults 25+ (2022)	98.6%
Bachelor's Deg. or More - % of Adults 25+ (2022)	48.4%
Households (2022)	1,141
Total Housing Units (2022)	1,156
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%

Latitude/Longitude: 45.1558775, -93.668205
 Area: 5.60 sq. miles
 Area - Land only: 5.46 sq. miles (97%)
 Area - Water only: 0.14 sq. miles (3%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 2** Mitigation Priority 1
 - Partner with local agencies to enhance resident understanding of local hazards.
- 4** Mitigation Priority 2
 - Assess flood related hazards within the community.
- 5** Mitigation Priority 3
 - Coordinate with regional water districts to assess flood vulnerability.

Vulnerability

- Crow River Flooding
- 1895 Historic Bridge
- Monticello NPP: 12 Miles

Capability

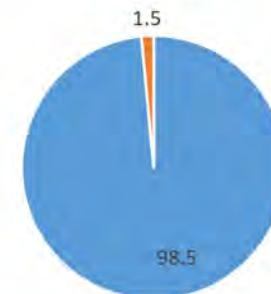
- Shares law enforcement coverage between Wright and Hennepin County Sheriffs office
- Fire Department

Corporate/Employer

School District

- 877 Buffalo-Hanover-Montrose

Language



■ English ■ Other

https://apps.mla.org/map_data

2024 Hanover Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Enhance resident awareness.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Partner with local agencies to enhance resident understanding of local hazards.	Emergency Management	Personnel Time	Ongoing	Ongoing	1	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Assess flood related hazards within the community.	Emergency Management	Personnel Time	Ongoing	Ongoing	2	1, 6
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Coordinate with water districts.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Coordinate with regional water districts to assess flood vulnerability.	Emergency Management	Personnel Time	Ongoing	Ongoing	3	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Ensure building code compliance and inspections are conducted on new construction projects.							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Hanover 2018 – 2024 Mitigation Strategies Progress Report
No Prior Projects.

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3.3.18. CITY OF HOPKINS

Hennepin County - Hopkins

Hopkins is approximately four-square miles in size and is surrounded by the larger, western suburban communities of Minnetonka, St. Louis Park, and Edina. Hopkins is about 98% developed with little remaining vacant land. U.S. Route 169 and Minnesota State Highway 7 are two of the main arterial routes in the city. The city's main street was added to the National Register of Historic Places in 2022. The Hopkins Raspberry Festival is an annual event in Hopkins. The festival now takes place the third weekend in July every year.

Population density: 4,556 people per square mile (average).

Tornado activity: Hopkins-area historical tornado activity is slightly above Minnesota state average. It is 31% greater than the overall U.S. average.

Earthquake activity: Hopkins-area historical earthquake activity is significantly above Minnesota state average. It is 54% smaller than the overall U.S. average.

City Website: www.hopkinsmn.com



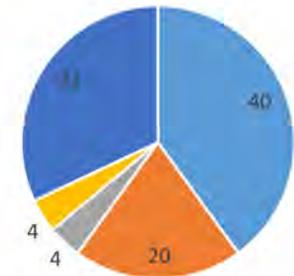
<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	19,752
H.S. Diploma or More - % of Adults 25+ (2022)	95.4%
Bachelor's Deg. or More - % of Adults 25+ (2022)	45.7%
Households (2022)	9,153
Total Housing Units (2022)	9,713
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.2%



Latitude/Longitude: 44.927667, -93.400172
 Area: 4.11 sq. miles
 Area - Land only: 4.08 sq. miles (99%)
 Area - Water only: 0.03 sq. miles (1%)

Language



English Spanish Tamil
 German Others
https://apps.mla.org/map_data

Hazard Mitigation Project Goal Priority Ranking Aid

- 1** Mitigation Priority 1 (1A6)
 - Update flooding response actions in Regional Emergency Operations Plan
- 3** Mitigation Priority 2 (3A1)
 - Work with Ed and Cultural groups to preserve resources
- 8** Mitigation Priority 3 (8A1)
 - Work with underserved community members in how to prepare for emergencies and disasters and provide them with Resources and information in their language.

Vulnerability

- Functional Needs: 443
- Bridges: 16
- Monticello NPP: 32 miles

Capability

- Law Enforcement
- Fire
- Public Works
- Citizens Academy
- Hopkins Activity Center
- FCC Registered Amateur Radio Licenses: 62

Corporate/Employer

- Hopkins Center for the Arts
- Hopkins Pavilion
- Hopkins Activity Center

School District

- 270 Hopkins

<https://www.city-data.com/city/Hopkins-Minnesota.html>

2024 Hopkins Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Flooding- Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Update inundation map every 10 years	PW/GIS/EM	10K	3-5yrs	Ongoing	Low	1
1A2	Review and compare existing flood control standards, zoning, and building requirements	EM/City Planner	600	1-2yrs	Complete		
1A3	Review and update policies that discourage growth in flood-prone areas	City/Watershed	450	2-3yrs	Complete		
1A4	Review and update city wide evacuation plan	LE/Fire/EM	450	2-3yrs	Complete		
1A5	Periodically exercise flood response actions	EM Exercise team	5K	3-5yrs	Ongoing	Low	1
1A6	Update flooding response actions in Regional Emergency Operations Plan	EM/Plans Team	300	3-5yrs	Ongoing	1	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Educate the public to increase awareness of hazards and opportunities for mitigation actions.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Publicize and encourage the adoption of appropriate hazard mitigation actions.	EM/PD/FD	1.2K	1-2yrs	Complete		
2A2	Provide information to the public on the city website and through public education opportunities.	EM	2.5k	1-4yrs	Ongoing	Low	1
Objective 2B: Promote partnerships between the state, counties, local jurisdictions, and partner agencies to identify, prioritize, and implement mitigation actions.							
2B1	Participate as a member in local or regional hazard mitigation planning group	Fire/EM	0	2-3yrs	Ongoing	2	1
2B2	Support or provide the public sector events, workshop, symposium, and continued education opportunities.	EM	0	2-3yrs	Ongoing	Low	1
Objective 2C: Work with Civic groups, businesses, and other local agencies to promote hazard mitigation in local community.							
2C1	Increase awareness and knowledge of hazard mitigation principles and practices	EM	2.5K	1-4yrs	Ongoing	Low	1

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2C2	Encourage businesses to develop and implement hazard mitigation actions	EM	2.5K	1-4yrs	Ongoing	Low	1
2C3	Support or provide the private sector events, workshop, symposium, and continued education opportunities.	EM	2.5K	1-4yrs	Ongoing	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Prevent from building and encroaching on natural resources without effecting other cultural							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Work with Ed and Cultural groups to preserve resources	EM/PW/Ed	450	3-5yrs	Ongoing	Low	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Assess areas of the city for the impacts of natural disaster.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Partnering with PW, assess areas of city that may be vulnerable to disasters.	EM	500	2-3yrs	Ongoing	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Work with state, county, and local officials to enhance mitigation strategies.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Meet with officials to see how we can mitigate potential mitigation issues	EM/Ed	500	3-5yrs	Ongoing	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Work with City Departments to make sure that future development is disaster resistance.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Promote disaster resistance Buildings	EM	500	3-5yrs	Ongoing	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Work to make city less vulnerable to disasters							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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7A1	Work with new contractors and developers to build strong and less vulnerable.	EM/ED/PW	100	Annually	Ongoing	Low	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
	Work with underserved community members in how to prepare for emergencies and disasters; provide them with Resources and information in their language.	EM/PR	1000	2-4Yrs	Ongoing	3	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
	Work with city, county and state governments on climate change issues and provide resources to residents and businesses in the City of Hopkins.	All City Departments	Undetermined	1-5Yrs	Ongoing	Low	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
	Continue to work with Public works to assure that all of the city infrastructures will protect and hold up in natural or manmade hazards	EM/ PW	Undetermined	1- 5yrs	Ongoing	Low	1

Hopkins 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Flooding – Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding	
Project Title/Action	1A1: Update the inundation map every 10 years
Project Status	Ongoing
Responsible Agency	PW/GIS/EM
Project Title/Action	1A2: Review and compare existing flood control standards, zoning, and building requirements
Project Status	Ongoing
Responsible Agency	EM/City Planner
Project Title/Action	1A3: Review and update policies that discourage growth in flood-prone areas
Project Status	Ongoing
Responsible Agency	City/Watershed
Project Title/Action	1A4: Review and update city wide evacuation plan
Project Status	Anticipated completion date: 1-2024
Responsible Agency	LE/Fire/EM
Project Title/Action	1A5: Periodically exercise flood response actions
Project Status	Anticipated completion date: 1-2024
Responsible Agency	EM Exercise team
Project Title/Action	1A6: Update flooding response actions in Regional Emergency Operations Plan
Project Status	Ongoing
Responsible Agency	EM/Plans Team
OBJECTIVE: 2A: Educate the public to increase awareness of hazards and opportunities for mitigation actions	
Project Title/Action	2A1: Publicize and encourage the adoption of appropriate hazard mitigation actions
Project Status	Ongoing
Responsible Agency	EM/PD/FD
Project Title/Action	2A2: Provide information to the public on the city website and through public education opportunities
Project Status	Ongoing
Responsible Agency	EM
OBJECTIVE: 2B: Promote partnerships between the state, counties, local jurisdictions, and partner agencies to identify, prioritize, and implement mitigation actions	
Project Title/Action	2B1: Participate as a member in local or regional hazard mitigation planning group
Project Status	Ongoing
Responsible Agency	Fire/EM
Project Title/Action	2B2: Support or provide the public sector events, workshop, symposium, and continued education opportunities
Project Status	Ongoing
Responsible Agency	EM

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OBJECTIVE: 2C: Work with Civic groups, businesses, and other local agencies to promote hazard mitigation in local community	
Project Title/Action	2C1: Increase awareness and knowledge of hazard mitigation principles and practices
Project Status	Ongoing
Responsible Agency	EM
Project Title/Action	2C2: Encourage businesses to develop and implement hazard mitigation actions
Project Status	Ongoing
Responsible Agency	EM
Project Title/Action	2C3: Support or provide the private sector events, workshop, symposium, and continued education opportunities
Project Status	Ongoing
Responsible Agency	EM
OBJECTIVE: 3A: Prevent from building and encroaching on natural resources with affecting other cultural	
Project Title/Action	3A1: Work with Ed and Cultural groups to preserve resources
Project Status	Anticipated completion date: 6-2024
Responsible Agency	EM/PW/Ed
OBJECTIVE: 4A: Assess areas of the city for the impacts of natural disaster	
Project Title/Action	4A1: Partnering with PW, assess areas of city that may be vulnerable to disasters
Project Status	Ongoing
Responsible Agency	EM
OBJECTIVE: 5A: Work with state, county, and local officials to enhance mitigation strategies	
Project Title/Action	5A1: Meet with officials to see how we can mitigate potential mitigation issues
Project Status	Anticipated completion date: 8-2024
Responsible Agency	EM/Ed
OBJECTIVE: 6A: Work with City Departments to make sure that future development is disaster resistant	
Project Title/Action	6A1: Promote disaster resistant buildings
Project Status	Ongoing
Responsible Agency	EM
OBJECTIVE: 7A: Work to make city less vulnerable to disasters	
Project Title/Action	7A1: Work with new contractors and developers to build strong and less vulnerable.
Project Status	Ongoing
Responsible Agency	EM, ED, PW

3.3.19. CITY OF INDEPENDENCE

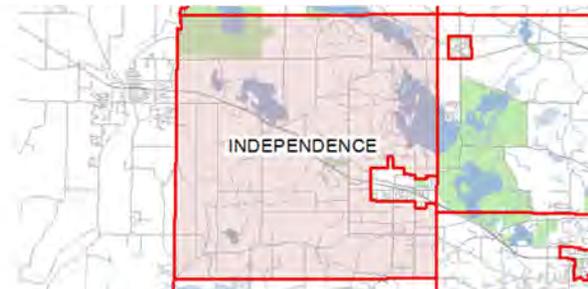
Hennepin County - Independence

Independence is a rural city in Hennepin County. Most of the city is agricultural land with dense woods and numerous lakes. It is named after Lake Independence, a large lake on the community's eastern boundary. Independence is located on the western edge of Hennepin. Two major Three River parks; Rebecca and Baker, can be accessed directly from Independence and the popular Luce Line recreation trail crosses the south side of the city. U.S. Route 12 serves as a main arterial route to the community

City Website: www.ci.independence.mn.us



<https://www.statsamerica.org/town/>



People & Housing	
Population Estimate (2022)	3,718
H.S. Diploma or More - % of Adults 25+ (2022)	96.0%
Bachelor's Deg or More - % of Adults 25+ (2022)	56.9%
Households (2022)	1,196
Total Housing Units (2022)	1,244
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	1.2%

Latitude/Longitude: 45.021528, -93.706355
 Area: 34.56 sq. miles
 Area - Land only: 32.37 sq. miles (94%)
 Area - Water only: 2.19 sq. miles (6%)

Hazard Mitigation Project Goal Priority Ranking Aid

1 Mitigation Priority 1 (1A1)
 • Review and compare existing flood control standards, zoning, and building requirements. Review and develop engineering plans with new street improvements, storm sewer runoff design, and INI improvements.

1 Mitigation Priority 2 (1A2)
 • Review and update policies that discourage growth in flood-prone areas.

3 Mitigation Priority 3 (3A1)
 • Work with our local watershed districts to make improvements to protect our lakes and streams for water quality.

Vulnerability

- Functional Needs: 24
- Bridges: 3
- Monticello NPP: 20 Miles

Capability

- Law Enforcement West Hennepin
- Police Chaplains Group
- Fire: West Suburban and Maple Plain
- Park and Recreation
- FCC Registered Amateur Radio Licenses: 4

Corporate/Employer

- Vinland Treatment Facility
- Camp Iduhapi

School District

- 278 Orono
- 879 Delano
- 277 Westonka

Social Media:
 Facebook: <https://www.facebook.com/independenceminnesota>

Language



https://apps.mla.org/map_data

2024 Independence Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Review and compare existing flood control standards, zoning, and building requirements. Review and develop engineering plans with new street improvements, storm sewer runoff design, and INI improvements	Public Works, Engineers, and water shed districts.	\$10,000	5 years	Ongoing	1	1
1A2	Review and update policies that discourage growth in flood-prone areas	Public Works, Engineers, and water shed districts.	\$10,000	5 years	Ongoing	2	1
Objective 1B: Gas Line Protection: Develop a comprehensive approach with gas line companies to reduce the possibility of damage to gas line in City of Independence.							
1B1	Develop emergency management plans with gas companies to protect the underground and above ground gas lines/values.	Public Works, Engineers, and water shed districts.	\$10,000	5 years	Ongoing	Low	1
Objective 1C: Main transmission electrical lines through Independence.							
1C1	Identify the different main transmission lines through Independence between Xcel Energy, Great River Energy and Wright Hennepin	Public Works, Engineers, and water shed districts.	\$10,000	5 years	Complete		
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Invest in a comprehensive emergency notification system to immediately notify all citizens of an emergency, the action plan, and response to the emergency.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Work with Independence to purchase Code Red or Ever bridge notification system for our residents.	City Staff	\$5,000	1 Year	Complete		
Objective 2B: Educate the public to increase awareness of hazards and opportunities for mitigation actions.							
2B1	Provide information to the public on the city website and through public education opportunities	City Staff. West	Staff Time	1 Year	Ongoing	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
 Volume 3 – Community Mitigation Strategies

		Hennepin Police					
Objective 2C: Work with citizens, businesses, and other local agencies to promote hazard mitigation in local community.							
2C1	Encourage businesses to develop and implement hazard mitigation actions.	City Staff. West Hennepin Police	Staff Time	1 Year	Ongoing	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Reduction of waste and runoff into our lakes, streams, and watersheds.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Work with our local watershed districts to make improvements to protect our lakes and streams for water quality.	City engineers, watershed districts, Public Works	\$10,000 annually	3-5 years	Ongoing	3	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Overhead power lines within the city.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Work with Excel Energy to remove and install underground power on future development projects.	City Engineer, Staff, Xcel Energy.	>\$1,000,000	10-20 years	Ongoing	Low	1
Objective 4B: West Hennepin Police Department							
4B1	Security Protection, building upgrades, backup generator installed	City and West Hennepin Police, Wright Hennepin.	\$10,000	2 years	Complete		
Objective 4C: Highway 12 Corridor Improvements							
4C1	Complete redesign of Highway 12 through Independence	City and West Hennepin Police,	>\$1,000,000	5-20 years	In-Progress	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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		Wright Hennepin.					
Objective 4D: Burlington Northern Santa Fe Railroad							
4D1	Identify and train staff on emergency response to a railroad disaster on the railroad. Develop an emergency response evacuation plan, educate citizens and train on it.	City and West Hennepin Police, Wright Hennepin.	\$10,000	Ongoing	Ongoing	Low	1
Objective 4E: Lake Sarah and Lake Independence, local parks, and Lake Rebecca.							
4E1	Installation of outdoor warning sirens to cover the Lake Sarah, Lake Independence, Rebecca Park, and all local parks within Independence.	City and West Hennepin Police, Wright Hennepin.	TBD	3 years	Ongoing	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Wellhead Protection Plan							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Continue to meet the state and Federal regulations with the protection plan.	City Staff, Public Works	Staff time	Ongoing	Ongoing	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Outdoor Warning Sirens							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Identify future sites for new sirens if new development and future group occurs.	City Staff and Public Works, West Hennepin Police	Staff time siren install \$40,000	Ongoing	Ongoing	Low	1
Objective 6B: In ground electrical lines.							
6B1	Work with city engineers to promote and require all new development to includes in ground power lines vs. overhead power lines	City Staff and Public Works, West	Staff Time, developer costs.	Ongoing	Ongoing	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
 Volume 3 – Community Mitigation Strategies

		Hennepin Police					
Objective 6C: Backup generators for sewer lift stations.							
6C1	All future and current sewer lift stations must require a backup generator to operate the system.	City Staff and Public Works, West Hennepin Police.	Staff Time, developer costs.	Ongoing	Ongoing	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury all power lines.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community and Excel to identify power lines that could be buried to reduce power failures in Independence.	City planner, engineer, city staff.	Staff time >\$1,000,000	Ongoing	Ongoing	Low	1, 4, 5
Objective 7B: Trim back all trees/brush around Xcel Energy power lines to require road right of way setbacks							
7B1	City and County Public Works and Excel energy remove trees causing hazard to our power lines.	Public Works, Xcel Energy and other power companies	\$50,000 Staff time	3-5 years	Complete		
Objective 7C: Backup generator installed for West Hennepin Public Safety Department.							
7C1	Install backup generator to operate West Hennepin Police Department.	City	\$40,000	1 Year	Completed		
Objective 7D: Backup generators for sewer lift stations.							
7D1	All future and current sewer lift stations must require a backup generator to operate the system.	City	400,000	5-10 years	Ongoing	Low	1, 4
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A: Ensure vulnerable populations are adequately protected from the impacts of extreme temperatures							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Create a database to track those individuals at high risk of death, such as elderly, homeless, etc.	City/West Hennepin EM	Staff time	Ongoing	Ongoing	Low	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Objective 9A Reduce impacts of localized street flooding							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Evaluate opportunities for County Road 92 -Crow River flooding impacts and Townline Road	City Public Works	5.0 million	Ongoing	Ongoing	Low	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Working with Lakes area Emergency Management Groups on tabletops fall of 2024, towards a drill and then functional exercise in 2024 and a full-scale exercise in 2025	West Hennepin EM	7,000	2026	Ongoing	Low	1

Independence 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding	
Project Title/Action	1A1: Review and compare existing flood control standards, zoning, and building requirements. Review and develop engineering plans with new street improvements, storm sewer runoff design, and INI improvements.
Project Status	Ongoing
Project Title/Action	1A2: Review and update policies that discourage growth in flood-prone areas.
Project Status	Ongoing
Responsible Agency	Public Works, Engineers, and water shed districts.
OBJECTIVE: 1B: Gas Line Protection: Develop a comprehensive approach with gas line companies to reduce the possibility of damage to gas line in City of Independence	
Project Title/Action	1B1: Develop emergency management plans with gas companies to protect the underground and above ground gas lines/values.
Project Status	Ongoing
Responsible Agency	West Hennepin EM, Public Works, Engineers, and water shed districts.
OBJECTIVE: 1C: Main transmission electrical lines through Independence	
Project Title/Action	1C1: Identify the different main transmission lines through independence between Xcel Energy, Great River Energy and Wright Hennepin.
Project Status	Complete
Responsible Agency	Public Works, Engineers, and water shed districts.
OBJECTIVE: 2A: Invest in a comprehensive emergency notification system to immediately notify all citizens of an emergency, the action plan, and response to the emergency	
Project Title/Action	2A1: Work with Independence to purchase Code Red of Everbridge notification system for our residents.
Project Status	Complete
Responsible Agency	City Staff
OBJECTIVE: 2B: Educate the public to increase awareness of hazards and opportunities for mitigation actions	
Project Title/Action	2B1: Provide information to the public on the city website and through public education opportunities.
Project Status	Ongoing
Responsible Agency	City Staff. West Hennepin Police
OBJECTIVE: 2C: Work with citizens, businesses, and other local agencies to promote hazard mitigation in local community	
Project Title/Action	2C1: Encourage businesses to develop and implement hazard mitigation actions
Project Status	Ongoing
Responsible Agency	City Staff. West Hennepin Police
OBJECTIVE: 3A: Reduction of waste and runoff into our lakes, streams, and watersheds	
Project Title/Action	3A1: Work with our local watershed districts to make improvements to protect our lakes and streams for water quality
Project Status	Ongoing
Responsible Agency	City engineers, watershed districts, Public Works

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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OBJECTIVE: 4A: Overhead power lines within the city	
Project Title/Action	4A1: Work with Xcel Energy to remove and install underground power on future development projects
Project Status	Ongoing
Responsible Agency	City Engineer, Staff, Xcel Energy
OBJECTIVE: 4B: West Hennepin Police Department	
Project Title/Action	4B1: Security Protection, building upgrades, backup generator installed
Project Status	Complete
Responsible Agency	City and West Hennepin Police, Wright Hennepin.
OBJECTIVE: 4C: Highway 12 Corridor Improvements	
Project Title/Action	4C1: Complete redesign of Highway 12 through Independence
Project Status	Ongoing
Responsible Agency	City and West Hennepin Police, Wright Hennepin.
OBJECTIVE: 4D: Burlington Northern Santa Fe Railroad	
Project Title/Action	4D1: Identify and train staff on emergency response to a railroad disaster on the railroad. Develop an emergency response evacuation plan, educate citizens and train on it.
Project Status	Ongoing
Responsible Agency	City and West Hennepin Police, Wright Hennepin.
OBJECTIVE: 4E: Lake Sarah and Lake Independence, local parks, and Lake Rebecca	
Project Title/Action	4E1: Installation of outdoor warning sirens to cover the Lake Sarah, Lake Independence, Rebecca Park, and all local parks within Independence
Project Status	Delayed
Responsible Agency	City and West Hennepin Police, Wright Hennepin.
OBJECTIVE: 5A: Wellhead Protection Plan	
Project Title/Action	5A1: Continue to meet the state and Federal regulations with the protection plan
Project Status	Ongoing
Responsible Agency	City Staff, Public Works
OBJECTIVE: 6A: Outdoor Warning Sirens	
Project Title/Action	6A1: Identify future sites for new sirens if new development and future group occurs
Project Status	Ongoing
Responsible Agency	City Staff and Public Works, West Hennepin Police.
OBJECTIVE: 6B: In-Ground Electrical Lines	
Project Title/Action	6B1: Work with city engineers to promote and require all new development to include in ground power lines vs. overhead power lines
Project Status	Ongoing
Responsible Agency	City Staff and Public Works, West Hennepin Police.
OBJECTIVE: 6C: Backup generators for sewer lift stations	
Project Title/Action	6C1: All future and current sewer lift stations must require a backup generator to operate the system
Project Status	Ongoing
Responsible Agency	City Staff and Public Works, West Hennepin Police.

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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OBJECTIVE: 7A: Bury all power lines	
Project Title/Action	7A1: Work with the community and Xcel to identify power lines that could be buried to reduce power failures in Independence
Project Status	Ongoing
Responsible Agency	City planner, engineer, city staff.
OBJECTIVE: 7B: Trim back all trees/brush around Xcel Energy power lines to require road right of way setbacks	
Project Title/Action	7B1: City and County Public Works and Xcel Energy remove trees causing hazard to our power lines
Project Status	Ongoing
Responsible Agency	Public Works, Xcel Energy, and other power companies
OBJECTIVE: 7C: Backup generator installed for West Hennepin Public Safety Department	
Project Title/Action	7C1: Install backup generator to operate West Hennepin Police Department
Project Status	Complete
Responsible Agency	City
OBJECTIVE: 7D: Backup generators for sewer lift stations	
Project Title/Action	7D1: All future and current sewer lift stations must require a backup generator to operate the system
Project Status	Ongoing
Responsible Agency	Public Works

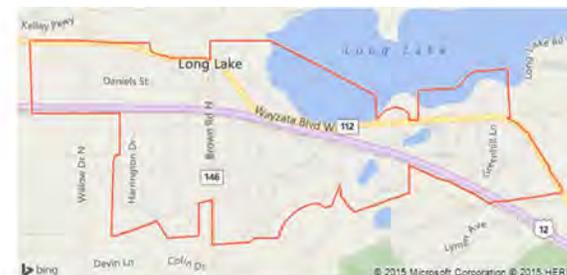
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3.3.20. CITY OF LONG LAKE

Hennepin County - Long Lake

Long Lake is a small city in Hennepin County, named after the lake the eastern end of town lies on. Long Lake was established in 1855 and was called Cumberland Town. U.S. Highway 12 serves as a main route of transportation for the city.

City Website: <https://www.longlakemn.gov/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	1,712
H.S. Diploma or More - % of Adults 25+ (2022)	92.9%
Bachelor's Deg. or More - % of Adults 25+ (2022)	48.0%
Households (2022)	684
Total Housing Units (2022)	707
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%

Latitude/Longitude: 44.9836635, -93.5670485

Area: 0.93 sq. miles

Area - Land only: 0.83 sq. miles (89%)

Area - Water only: 0.10 sq. miles (11%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 2** Mitigation Priority 1 (2A1)
 - Achieve certification in National Weather Service Storm Ready program
- 1** Mitigation Priority 2 (1A3)
 - Improve Community Notification Capabilities
- 2** Mitigation Priority 3 (2A2)
 - Prepare Community Presentation on severe weather awareness.

- Vulnerability**
- Functional Needs: 70
 - Bridges: 6
 - Monticello NPP: 25 miles

- Corporate/Employer**
- Town Center Shopping Center
 - UPS
 - Americinn

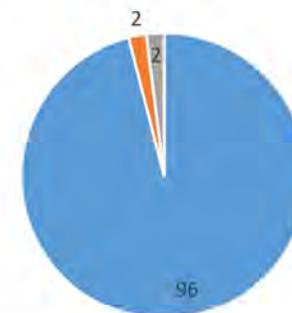
- Capability**
- Fire Department
 - Law Enforcement- Wayzata
 - Police Chaplains Group
 - Public Works
 - FCC Registered Amateur Radio Licenses: 19

- School District**
- 278 Orono

Social Media:

Facebook: <https://www.facebook.com/profile.php?id=100069157091295>

Language



■ English ■ Spanish ■ other ■ ■ ■

https://apps.mla.org/map_data

2024 Long Lake Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Improve Community Notification Capabilities							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Review available products and vendors offering notification systems	EM Director	unknown	2 years	On Schedule	Low	1
1A2	Implement “Next Door” program for neighborhood specific notifications	EM Director	Staff Time	2 years	Cancelled		
1A3	Prepare Community Presentation on emergency response/notification.	EM Director	Staff Time	2 years	Priority	2	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Achieve certification in National Weather Service StormReady program							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Meet requirements of the program	EM Director	Training Time	2 years	Delayed	1	1
2A2	Prepare Community Presentation on severe weather awareness.	EM Director	1K	2 years	Delayed	3	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Ensure water runoff choke points have adequate infrastructure to withstand flood.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Inventory critical choke points and inspect and/or improve infrastructure.	EM Director EM Coord	unknown	2 years	On Schedule	4	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A:							

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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury Power Lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas	EM Director EM Coord	Staff Time	Ongoing	On Schedule	5	1, 4, 5
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Long Lake 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Improve Community Notification Capabilities	
Project Title/Action	1A1: Review available products and vendors offering notification systems
Project Status	Anticipated completion date: 2026
Project Title/Action	1A2: Implement “Next Door” program for neighborhood specific notifications
Project Status	Complete
Project Title/Action	1A3: Prepare Community Presentation on emergency response/notification
Project Status	Anticipated completion date: 2025
Responsible Agency	Wayzata Police Department
OBJECTIVE: 2A: Achieve certification in National Weather Service StormReady program	
Project Title/Action	2A1: Meet requirements of the program
Project Status	Anticipated completion date: 2025
Project Title/Action	2A2: Prepare Community Presentation on severe weather awareness
Project Status	Anticipated completion date: 2025
Responsible Agency	EM Director
OBJECTIVE: 4A: Ensure water runoff choke points have adequate infrastructure to withstand flood	
Project Title/Action	4A1: Inventory critical choke points and inspect and/or improve infrastructure
Project Status	Anticipated completion date: 2026
Responsible Agency	EM Director EM Coord
OBJECTIVE: 7A: Bury Power Lines	
Project Title/Action	7A1: Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
Project Status	Ongoing
Responsible Agency	EM Director EM Coord

3.3.21. CITY OF LORETTO

Hennepin County - Loretto

Loretto, originally a Soo Line railway village, was founded in 1886 and settled by German and Dutch immigrants. Loretto was named for a Roman Catholic mission for refugees of the Huron Indians near Quebec, Canada, called Lorette, and for the village of Loretto, Kentucky, where a society of Catholic "Sisters of Loretto at the Foot of the Cross" was founded in 1812. The original source of the name is Loreto, a small town in Italy, which has a noted shire of pilgrimage. The city of Loretto was incorporated in 1940, County Roads 11 and 19 are the two major routes of transportation for the city

City Website: www.ci.loretto.mn.us



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	751
H.S. Diploma or More - % of Adults 25+ (2022)	96.2%
Bachelor's Deg. or More - % of Adults 25+ (2022)	49.7%
Households (2022)	289
Total Housing Units (2022)	289
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%

Latitude/Longitude: 45.0547105, -93.63492
 Area: 0.29 sq. miles
 Area - Land only: 0.29 sq. miles (100%)
 Area - Water only: 0.00 sq. miles (0%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 7** Mitigation Priority 1 (7A1)
 - Build a Storm shelter in the City park for sever weather incidents.
- 5** Mitigation Priority 2 (5A1)
 - Wellhead Protection Plan: Work with the State and County to meet their requirements.
- 6** Mitigation Priority 3 (6B1)
 - Work with the County to improve the intersection over the Canadian Pacific Railroad crossing for a future quiet zone.

- ### Vulnerability
- CP Railway
 - Hillcrest Senior Apartments 25 units
 - Monticello NPP: 19 miles

- ### Corporate/Employer
- City Hall
 - 21st Century Bank
 - Gary's diesel
 - Yocum Oil
 - Rasco Industries

- ### Capability
- Law Enforcement
 - Police Chaplains Group
 - Fire Department
 - Public Works
 - FCC Registered Amateur Radio Licenses: 2

- ### School District
- 879 Delano

Social Media:
 Facebook
 Next-door

Language



https://apps.mla.org/map_data

2024 Loretto Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Establish Multi-Jurisdictional partnership to reduce runoff							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Work with the local water sheds to continue to protect our lakes and streams for future water quality	City of Loretto	7.5K	5 years	Ongoing	Low	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Sewer Pond Connection to Sewer Line							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Connect old sewer ponds to the metro sewer system	City of Loretto	850K	5 Years	Complete		
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Wellhead Protection Plan							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Wellhead Protection Plan: Work with the State and County to meet their requirements	City of Loretto	Staff Time	Ongoing	Ongoing	2	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Outdoor Warning Siren							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
 Volume 3 – Community Mitigation Strategies

6A1	Replace aging siren	City of Loretto	29K	5 years	Ongoing	Low	1
Objective 6B: Improve Intersection at Railroad crossing for quiet zone							
6B1	Work with the County to improve the intersection over the Canadian Pacific Railroad crossing for a future quiet zone	City of Loretto	240K	Ongoing	2024	3	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Storm Shelter- South of Railroad Crossing							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Build a Storm shelter in the city park for severe weather incidents	City of Loretto	600K	5 years	Delayed	1	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Loretto 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 3A: Establish Multi-Jurisdictional partnership to reduce runoff	
Project Title/Action	3A1: Work with the local water sheds to continue to protect our lakes and streams for future water quality
Project Status	Ongoing
Responsible Agency	City of Loretto
OBJECTIVE: 4A: Sewer Pond Connection to Sewer Line	
Project Title/Action	4A1: Connect old sewer ponds to the metro sewer system
Project Status	Delayed
Responsible Agency	City of Loretto
OBJECTIVE: 5A: Wellhead Protection Plan	
Project Title/Action	5A1: Work with the State and County to meet their requirements
Project Status	Ongoing
Responsible Agency	City of Loretto
OBJECTIVE: 6A: Outdoor Warning Siren	
Project Title/Action	6A1: Replace aging siren
Project Status	Delayed
Responsible Agency	City of Loretto
OBJECTIVE: 6B: Improve Intersection at Railroad crossing for quiet zone	
Project Title/Action	6B1: Work with the County to improve the intersection over the Canadian Pacific Railroad crossing for a future quiet zone
Project Status	Delayed
Responsible Agency	City of Loretto
OBJECTIVE: 7A: Storm Shelter – South of Railroad Crossing	
Project Title/Action	7A1: Build a Storm shelter in the city Park for severe weather incidents
Project Status	Delayed
Responsible Agency	City of Loretto

3.3.22. CITY OF MAPLE GROVE

Hennepin County - Maple Grove

Winnebago Indians were the only inhabitants in the area of Maple Grove until 1851 when Louis Gervais arrived and settled. Four years later, in 1855, city growth included a church, town hall and many homes. The city was known for its large stands of maple trees and was, therefore, a significant source for maple syrup. With the completion and major upgrades to Interstates 94/694, 494, and U.S. Route 169, Maple Grove has grown at a rapid pace since the 1970's.

Population density: 2,152 people per square mile (low).

Tornado activity: Maple Grove-area historical tornado activity is slightly above Minnesota state average. It is 25% greater than the overall U.S. average.

Earthquake activity: Maple Grove-area historical earthquake activity is significantly above Minnesota state average. It is 54% smaller than the overall U.S. average.

Hazard Mitigation Project Goal Priority Ranking Aid

2 Mitigation Priority 1 (2C1), (2C2)

- Increase awareness and knowledge of hazard mitigation principles and practices.
- Encourage businesses to develop and implement hazard mitigation actions.

5 Mitigation Priority 2 (5A1), (5A2)

- Improve radio coverage in Boston Scientific Buildings.
- Review buildings in city with poor radio coverage and meet with building owners regarding installing BDA system.

9 Mitigation Priority 3 (9B3)

- Engage in risk-assessment process to identify areas most at risk from likely natural disasters.

School District

- 279 Osseo
- 284 Wayzata

Vulnerability

- Functional Needs: 125
- Bridges: 51
- Monticello NPP: 23 Miles

City Website:

www.maplegrovern.gov
<https://www.maplegrovern.gov/241/Emergency-management>



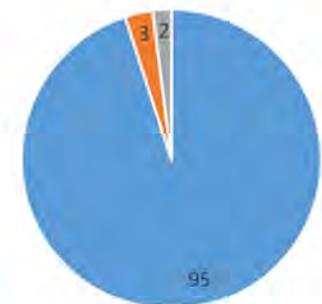
<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	70,110
H.S. Diploma or More - % of Adults 25+ (2022)	97.5%
Bachelor's Deg. or More - % of Adults 25+ (2022)	54.5%
Households (2022)	27,106
Total Housing Units (2022)	28,044
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.9%



Latitude/Longitude: 45.108528, -93.464404
Area: 35.01 sq. miles
Area - Land only: 32.63 sq. miles (93%)
Area - Water only: 2.38 sq. miles (7%)

Language



■ English ■ Spanish ■ Other
https://apps.mla.org/map_data

Corporate/Employer

- Boston Scientific
- Grove Square Shopping Mall
- The Fountains at Arbor Lakes
- North Memorial Health
- Park Nicollet Specialty Center
- Upsher-Smith
- UPS

Capability

- Law Enforcement
- Citizens' Academy
- Fire Department
- Public Works
- Parks and Recreation
- City Website: EM
- North Memorial Hospital LVL 1
- Maple Grove Hospital Level III NICU
- FCC Registered Amateur Radio Licenses: 180

Social Media:

<https://www.facebook.com/MapleGroveMN/>
<https://www.facebook.com/MGFDMinnesota>
<https://twitter.com/maplegrovern.gov>
https://twitter.com/grove_fire
<https://www.linkedin.com/company/city-of-maple-grove-minnesota/>
<https://www.instagram.com/maplegrovern.gov/>

<https://www.city-data.com/city/Maple-Grove-Minnesota.html>

2024 Maple Grove Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Hazardous Materials Preparedness							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Hazardous Material facility inspections for code compliance and planning to include protect in place/evacuation strategies.	Maple Grove Fire	0	Ongoing	Ongoing	Low	1
1A2	Hazardous Material data maintained for materials in fixed facilities	Maple Grove Fire	0	Ongoing	Ongoing	Low	1
1A3	Hazardous Material planning and training for transportation related hazardous materials emergencies	Maple Grove Fire	Man hours: 12	Annual	Ongoing	Low	1
Objective 1B: Wildland Fire							
1B1	Use GIS mapping of wildfire hazard areas to identify hazards and assess overall community vulnerability.	Maple Grove Fire	0	18 months	Delayed	Low	1
1B2	Review comprehensive plan to ensure wildfire mitigation has been addressed, including review of code of ordinances.	Maple Grove Fire	0	18 months	Delayed	Low	1
Objective 1C: Terrorism Awareness and Preparedness							
1C	Collaborate with LE, MNJAC, and Emergency service partners to maintain situation awareness of possible threats, including regional mass casualty response training.	MG Police and Fire	0	Ongoing	Ongoing	9	1
Objective 1B: Severe Weather							
1D1	Maintain outdoor warning/alert capability (Maple Grove has 22 outdoor warning sirens)	Maple Grove Fire	\$25,000 per year	Ongoing	Ongoing	Low	1
1D2	Increase severe weather awareness and encourage severe weather planning in residential and commercial occupancies	Maple Grove Fire	0	Ongoing	Ongoing	2	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Educate Public to increase awareness of hazards and opportunities for mitigation actions							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
Volume 3 – Community Mitigation Strategies

2A	Provide information to the public on the city website and through public education opportunities	Maple Grove Fire	0	Ongoing	Ongoing	Low	1
Objective 2B: Promote partnerships between state, county, local jurisdictions and partner agencies to identify, prioritize, and implement mitigation actions							
2B1	Participate as a member in local or regional hazard mitigation planning groups (i.e. North Suburban Emergency Management Planning Group, etc)	Maple Grove Fire	Man hours: 15-20	Ongoing	Ongoing	8	1
2B2	Support or provide public sector events, workshops, Symposiums, and continued education opportunities	Maple Grove Fire and Police	Man hours: 20	Ongoing	Ongoing	Low	1
Objective 2C: Work with businesses and other local agencies to promote hazard mitigation in local community							
2C1	Increase awareness and knowledge of hazard mitigation principles and practices	Maple Grove Fire and CED	Man hours: 50	Ongoing	Ongoing	1	1
2C2	Encourage businesses to develop and implement hazard mitigation actions	Maple Grove Fire and CED	Man hours: 25	Ongoing	Ongoing	1	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Maintain parks and support Three Rivers Park District							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Monitor for drought impact and invasive species	Maple Grove Park and Recreation	0	Ongoing	Ongoing	Low	1
3A2	Wildfire suppression and assist with wildland management of fuels	MGFD and MGPR	\$20,000	Ongoing	Ongoing	Low	1, 2
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Encourage construction of Safe Rooms							
4A1	Encourage the construction and use of safe rooms in homes and shelter areas of parks, shopping malls, or other vulnerable public structures	Maple Grove Fire, CED, and Park and Recreation	0	Ongoing	Ongoing	Low	1
Objective 4B: Conduct Tornado Awareness Activities							
4B1	Educate citizens through traditional and social media outlets	MGFD	0	Ongoing	Ongoing	Low	1
4B2	Conduct tornado drills in schools and public buildings	MGFD	0	Ongoing	Ongoing	Low	1
4B3	Support severe weather awareness week in Minnesota	MGFD	0	Annual	Ongoing	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
Volume 3 – Community Mitigation Strategies

Objective 4C: Develop a comprehensive approach to reducing the possibility of damage and losses due to a hazardous materials spill.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4C1	Continue to use Maple Grove and Hennepin County GIS to map and update locations of fixed facilities using hazardous materials and associated transportation routes in a timely manner.	Maple Grove Fire Department	0	Ongoing	Ongoing	6	1
4C2	Provide Railroad & Pipeline Safety Awareness Level training for First Responders	Maple Grove Fire Department	Man Hours 12	Annual Training	Ongoing	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Bi-directional Amplifiers (BDA) Equipment							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Improve radio coverage in Boston Scientific Buildings	Maple Grove Fire Department	\$30,000	2 years	Ongoing	2	1
5A2	Review buildings in city with poor radio coverage and meet with building owners regarding installing BDA system	Maple Grove Fire and Police	Man hours: Unknown	Ongoing	Ongoing	2	1
Objective 5B: Distribute emergency messaging via mobile communication devices and broadcast radio							
5B1	Code RED mass notification	Maple Grove Fire and Police	\$10,500 per year	Ongoing	Ongoing	Low	1
5B2	Encourage understanding and adoption of WEA and IPAWS messaging	Maple Grove Fire Department	0	Ongoing	Ongoing	Low	1
5B3	Promote use of NOAA Weather Radios and benefit of owning a battery powered portable radio	Maple Grove Fire	0	Ongoing	Ongoing	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Reduce risk factors of private business, family, and public structures in addition to at risk populations							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Maple Grove Community and Economic Development Department will continue to ensure that building permits and codes current and meet industry standards.	Maple Grove CED	0	Ongoing	Ongoing	7	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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6A2	Maple Grove Park and Recreation Department will work to avoid developing park areas near pre-identified high-risk hazard locations.	Maple Grove Park and Recreation	0	Ongoing	Ongoing	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Educate first responders to increase awareness of hazards and opportunities for mitigation actions.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Ensure that all essential city departments (police, fire, public works) have the latest edition of the Emergency Response Guidebook	Maple Grove Fire Department	Man hours: 5	Ongoing	Ongoing	5	1, 2
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A Maple Grove Parks and Recreation Trail Barriers and Barrier Reductions							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Identify restrictions to the trail system to increase access to recreational facilities and amenities as outlined in MG Comprehensive Plan	Maple Grove Park Board	\$2-3M	Ongoing	Ongoing	Low	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A Water conservation and water loss control							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Encourage the use of water conservation kits to reduce water consumption and preserve ground water resources	Maple Grove Public Works	0	Ongoing	Ongoing	Low	1
Objective 9B Environmental Resilience							
9B1	Restrict development in areas subject to natural disasters, such as flood plains and wetlands.	Community and Economic Development Department	0	Ongoing	Ongoing	10	1
9B2	Encourage Sustainable design elements in building construction, lighting HVAC systems, & stormwater management.	CED	0	Ongoing	Ongoing	Low	1
9B3	Engage in risk-assessment process to identify areas most at risk from likely natural disasters.	Maple Grove Fire, CED, and Public Works	Unknown	Ongoing	Ongoing	3	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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9B4	Review and upgrade stormwater facilities to meet current and future needs	Maple Grove Public Works	\$3-5M	Ongoing	Ongoing	Low	1
9B5	Cost-effective sewer system that provides equitably financed new trunks, while operating and maintaining existing system	Maple Grove Public Works	\$4-8M	Ongoing	Ongoing	Low	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A Economic Resiliency							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Encourage self-sufficiency in energy production and resiliency to energy disruptions through micro-grids, co-generation, protection of supply lines and other measures	MG CED and Public Works Departments	Minimal	Ongoing	Ongoing	Low	1
10A2	Embrace energy efficiency to reduce associated costs	MG CED and Public Works	Minimal	Ongoing	Ongoing	Low	1
Objective 10B Community lifelines							
10B1	Proactively engage with civic organizations to help identify residents most vulnerable to emergency events and help prioritize responses	Maple Grove Fire and Police Departments	Unknown	Ongoing	Ongoing	4	1
10B2	Embrace complete street policies to allow alternative transportation options and plan opportunities for pedestrian and bicycle movement	CED	0	Ongoing	Ongoing	Low	1

Maple Grove 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 4A: Develop a comprehensive approach to reducing the possibility of damage and losses due to a hazardous materials spill	
Project Title/Action	4A1: Continue to use Maple Grove and Hennepin County GIS to map and update locations of fixed facilities using hazardous materials and associated transportation routes in a timely manner
Project Status	Ongoing
Project Title/Action	4A2: Provide Railroad & Pipeline Safety Awareness Level training for first responders
Project Status	Complete
Responsible Agency	Maple Grove Fire Department
OBJECTIVE: 7A: Educate first responders to increase awareness of hazards and opportunities for mitigation actions	
Project Title/Action	7A1: Ensure that all essential city departments (police, fire, public works) have the latest edition of the Emergency Response Guidebook
Project Status	Ongoing
Responsible Agency	Maple Grove Fire Department
OBJECTIVE: 7B: Develop redundancy in communication infrastructure for routine and emergency notification	
Project Title/Action	7B1: Link City radio assets by fiber optics
Project Status	Ongoing
Project Title/Action	7B2: Implement/utilize VHF radio systems to provide backup paging and communication capability
Project Status	Cancelled
Project Title/Action	7B3: Institute SkyWarn warning base with multimode communication capability
Project Status	Cancelled
Responsible Agency	Maple Grove Fire Department

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3.3.23. CITY OF MAPLE PLAIN

Hennepin County - Maple Plain

Maple Plain is located 20 miles west of Minneapolis and is named for the many sugar maples in its surrounding forests. U.S. Route 12 and Hennepin County Roads 19, 29, and 83 are four of the community's main routes. The city is bordered by Independence to the west. Early settlement of the area started in 1854 and revolved around lake Independence to its north, and its outflow Pioneer Creek. In 1868 and 1869, the St. Paul, Pacific and Manitoba Railroad was built through Maple Plain. The city was incorporated as a village in 1912.

City Website: www.mapleplain.com



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	1,780
H.S. Diploma or More - % of Adults 25+ (2022)	96.2%
Bachelor's Deg. or More - % of Adults 25+ (2022)	35.5%
Households (2022)	756
Total Housing Units (2022)	793
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%



Latitude/Longitude: 45.010244, -93.660833
 Area: 1.12 sq. miles
 Area - Land only: 1.11 sq. miles (100%)
 Area - Water only: 0.00 sq. miles (0%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 1** Mitigation Priority 1 (1A1)
 - Review and compare existing flood control standards, zoning, and building requirements. Review and develop engineering plans with new street improvements, storm sewer runoff design, and INI improvements.
- 1** Mitigation Priority 2 (1A2)
 - Review and update policies that discourage growth in flood-prone areas.
- 2** Mitigation Priority 3 (2C1)
 - Encourage businesses to develop and implement hazard mitigation actions.

- Vulnerability**
- Functional needs: 127
 - Bridges: 1
 - BNSF Rail goes through city
 - Monticello NPP: 22 miles

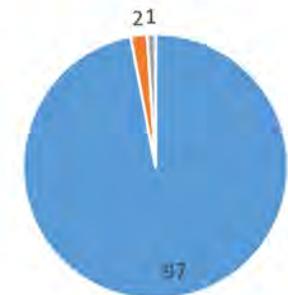
- Capability**
- Law Enforcement- West Hennepin Public Safety
 - Fire Department
 - Police Chaplains Group
 - Public Works
 - FCC Registered Amateur Radio Licenses: 19

- Corporate/Employer**
- Innovex Inc

- School District**
- 278 Orono

Social Media
 Facebook: www.facebook.com/CityofMaplePlain/

Language



English Spanish Other

https://apps.mla.org/map_data

2024 Maple Plain Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Review and compare existing flood control standards, zoning, and building requirements. Review and develop engineering plans with new street improvements, storm sewer runoff design, and INI improvements.	Public Works, Engineers, and water shed districts.	\$10,000	5 years	Ongoing	1	1
1A2	Review and update policies that discourage growth in flood-prone areas	Public Works, Engineers, and water shed districts.	\$10,000	5 years	Ongoing	2	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Invest in a comprehensive emergency notification system to immediately notify all citizens of an emergency, the action plan, and response to the emergency.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Work with Maple Plain to purchase Code Red or Ever bridge notification system for our residents.	City Staff	\$5,000	1 year	Complete		
Objective 2B: Educate the public to increase awareness of hazards and opportunities for mitigation actions							
2B1	Provide information to the public on the city website and through public education opportunities	City Staff, West Hennepin Police	\$5,000	1 year	Complete		
Objective 2C: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community.							
2C1	Encourage businesses to develop and implement hazard mitigation actions.	EM	Undetermined	Ongoing	Ongoing	3	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Reduction of waste and runoff into our lakes, streams, and watersheds.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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3A1	Work with our local watershed districts to make improvements to protect our lakes and streams for water quality.	City engineers, watershed districts, Public Works	\$10,000 Annually	3-5 years	Ongoing	Low	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Overhead power lines within the city.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Work with Excel Energy to remove and install underground power on future development projects.	City Engineer, Staff, Xcel Energy	>\$1,000,000	10-20 years	Ongoing	Low	1
Objective 4B: Maple Plain Water Treatment Facility.							
4B1	Security Protection, building upgrades, backup generator installed	City and West Hennepin Police, Wright Hennepin.	\$10,000	2 years	Complete		
Objective 4C: Highway 12 Corridor Improvements							
4C1	Complete redesign of Highway 12 through Maple Plain	City and West Hennepin Police, Wright Hennepin.	>\$1,000,000	5-20 years	Ongoing	Low	1, 4, 5
Objective 4D: Burlington Northern Santa Fe Railroad							
4D1	Identify and train staff on emergency response to a railroad disaster on the railroad. Develop an emergency response evacuation plan, educate citizens and train on it.	City and West Hennepin Police, Wright Hennepin.	\$10,000	Ongoing	Ongoing	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Wellhead Protection Plan							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Continue to meet the state and Federal regulations with the protection plan.	City Staff, Public Works	Staff Time	Ongoing	Ongoing	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Outdoor Warning Sirens							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Identify future sites for new sirens if new development and future group occurs	City Staff and Public Works, West Hennepin Police	Staff Time Siren Install	Ongoing	Ongoing	Low	1
Objective 6B: In ground electrical lines.							
6B1	Work with city engineers to promote and require all new development to includes in ground power lines vs. overhead power lines.	City Staff and Public Works, West Hennepin Police	\$40,000	Ongoing	Ongoing	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury all power lines.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community and Excel to identify power lines that could be buried to reduce power failures in Maple Plain.	City planner, engineer, city staff	Staff Time >\$1,000,000	Ongoing	Ongoing	Low	1
Objective 7B: Trim back all trees/brush around Xcel Energy power lines to require road right of way setbacks.							
7B1	City and County Public Works and Excel energy remove trees causing hazard to our power lines	Public Works, Xcel Energy, and other	\$50,000 Staff Time	3-5 years	Ongoing	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
 Volume 3 – Community Mitigation Strategies

		power companies					
Objective 7C: Backup generator installed for West Hennepin Public Safety Department.							
7C1	Install backup generator to operate West Hennepin Police Department.	City	\$40,000	1 year	Complete		
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A Ensure vulnerable populations are adequately protected from the impacts of extreme temperatures							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Create a database to track those individuals at high risk of death, such as elderly, homeless, etc.	City/West Hennepin EM	Staff Time	Ongoing	Ongoing	Low	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A Reduce impacts of localized street flooding							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Evaluate opportunities for storm water drainage at Howard Ave and other city street	City	Staff Time	Ongoing	Ongoing	Low	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Working with Lakes area Emergency Management Groups on tabletops fall of 2024, towards a drill and then functional exercise in 2024 and a full-scale exercise in 2026	West Hennepin EM	7,000	2026	Ongoing	Low	1

Maple Plain 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding	
Project Title/Action	1A1: Review and compare existing flood control standards, zoning, and building requirements. Review and develop engineering plans with new street improvements, storm sewer runoff design, and INI improvements
Project Status	Ongoing
Project Title/Action	1A2: Review and update policies that discourage growth in flood-prone areas
Project Status	Ongoing
Responsible Agency	Public Works, Engineers, and water shed districts.
OBJECTIVE: 2A: Invest in a comprehensive emergency notification system to immediately notify all citizens of an emergency, the action plan, and response to the emergency	
Project Title/Action	2A1: Work with Maple Plain to purchase Code Red or Everbridge notification system for our residents
Project Status	Complete
Responsible Agency	City Staff
OBJECTIVE: 2B: Educate the public to increase awareness of hazards and opportunities for mitigation actions	
Project Title/Action	2B1: Provide information to the public on the city website and through public education opportunities
Project Status	Complete
Responsible Agency	City Staff. West Hennepin Police
OBJECTIVE: 2C: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community	
Project Title/Action	2C1: Encourage businesses to develop and implement hazard mitigation actions
Project Status	Ongoing
Responsible Agency	City Staff- West Hennepin Chamber
OBJECTIVE: 3A: Reduction of waste and runoff into our lakes, streams, and watersheds	
Project Title/Action	3A1: Work with our local watershed districts to make improvements to protect our lakes and streams for water quality
Project Status	Ongoing
Responsible Agency	City engineers, watershed districts, Public Works
OBJECTIVE: 4A: Overhead power lines within the city	
Project Title/Action	4A1: Work with Xcel Energy to remove and install underground power on future development projects
Project Status	Ongoing
Responsible Agency	City Engineer, Staff, Xcel Energy.
OBJECTIVE: 4B: Maple Plain Water Treatment Facility	
Project Title/Action	4B1: Security Protection, building upgrades, backup generator installed
Project Status	Complete
Responsible Agency	City and West Hennepin Police, Wright Hennepin
OBJECTIVE: 4C: Highway 12 Corridor Improvements	
Project Title/Action	4C: Complete redesign of Highway 12 through Independence
Project Status	On-Schedule
Responsible Agency	City and West Hennepin Police, Wright Hennepin

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OBJECTIVE: 4D: Burlington Northern Santa Fe Railroad	
Project Title/Action	4D1: Identify and train staff on emergency response to a railroad disaster on the railroad. Develop an emergency response evacuation plan, educate citizens and train on it
Project Status	Ongoing
Responsible Agency	City and West Hennepin Police, Wright Hennepin
OBJECTIVE: 5A: Wellhead Protection Plan	
Project Title/Action	5A1: Continue to meet the state and Federal regulations with the protection plan
Project Status	Ongoing
Responsible Agency	City Staff, Public Works
OBJECTIVE: 6A: Outdoor Warning Sirens	
Project Title/Action	6A1: Identify future sites for new sirens if new development and future group occurs
Project Status	Ongoing
Responsible Agency	City Staff and Public Works, West Hennepin Police.
OBJECTIVE: 6B: In-Ground electrical lines	
Project Title/Action	6B1: Work with city engineers to promote and require all new development to include in ground power lines vs. overhead power lines
Project Status	Ongoing
Responsible Agency	City Staff and Public Works, West Hennepin Police.
OBJECTIVE: 7A: Bury all power lines	
Project Title/Action	7A1: Work with the community and Xcel Energy to identify power lines that could be buried to reduce power failures in Maple Plain
Project Status	Ongoing
Responsible Agency	City planner, engineer, city staff
OBJECTIVE: 7B: Trim back all trees/brush around Xcel Energy power lines to require road right of way setbacks	
Project Title/Action	7B1: City and County Public Works and Xcel Energy remove trees causing hazard to our power lines
Project Status	Ongoing
Responsible Agency	Public Works, Xcel Energy, and other power companies
OBJECTIVE: 7C: Backup generator installed for West Hennepin Public Safety Department	
Project Title/Action	7C1: Install backup generator to operate West Hennepin Police Department
Project Status	Complete
Responsible Agency	City/West Hennepin

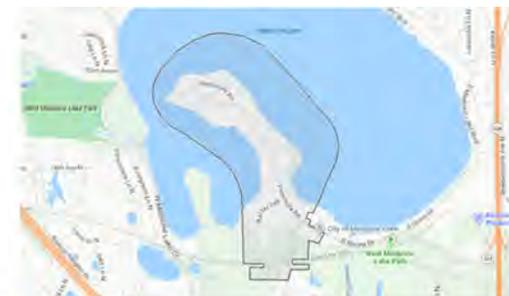
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3.3.24. CITY OF MEDICINE LAKE

Hennepin County - Medicine Lake

The City of Medicine Lake is nestled in the western suburbs on the large peninsula within Medicine Lake, the second largest lake in the Twin Cities. The city is surrounded by the city of Plymouth and forms a peninsula stretching into the lake that is its namesake.

Website: www.cityofmedicinelake.com



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	419
H.S. Diploma or More - % of Adults 25+ (2022)	99.3%
Bachelor's Deg. or More - % of Adults 25+ (2022)	69.6%
Households (2022)	188
Total Housing Units (2022)	196
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%

Latitude/Longitude: 44.9988085, -93.420831
 Area: 0.32 sq. miles
 Area - Land only: 0.18 sq. miles (54%)
 Area - Water only: 0.15 sq. miles (46%)

Hazard Mitigation Project Goal Priority Ranking Aid

3

Mitigation Priority 1 (3A2)

- Explore formation of a Water and Wetland Commission to protect lake water quality, water level, and wetland preservation.

1

Mitigation Priority 2 (1A3)

- Develop, maintain and revise the City's Continuity of Operations and Emergency Operations Plan.

8

Mitigation Priority 3 (8A1)

- Develop, review, and revise City evacuation plans to assist citizens with limited mobility.

Vulnerability

- Monticello NPP: 28 Miles
- No city water; access through Plymouth
- Resident well systems
- Chicago Northwestern Railroad Track
- Above ground powerlines
- Water lift station electrical dependent

Capability

- Fire Department/MOA with other fire
- Law Enforcement: HCSO

School District

- 284 Wayzata

Corporate/Employer

Language



English
https://apps.mla.org/map_data

Social Media: The citizens of Medicine Lake communicate through a private Facebook Page; "City of Medicine Lake_MN".

2024 Medicine Lake Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Remove hazard trees that pose a risk to public right of ways or private or public property.	Public Works	\$50,000	Ongoing	Ongoing	Low	1
1A2	Clear downed trees and remove underbrush on City owned property to reduce wildfire danger.	Public Works	\$15,000	Ongoing	Ongoing	Low	1
1A3	Develop, maintain, and revise the City's Continuity of Operations and Emergency Operations Plan.	City Council, EM	N/A	May 2024	On Schedule	2	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Alert citizens during community events of existing severe weather and disaster preparedness educational opportunities.	EM, Fire	\$1,000	December 2024	On Schedule	Low	1
2A2	Host annual severe weather and disaster preparedness community educational courses.	EM, Fire	\$500	December 2024	On Schedule	Low	1
2A3	Inform citizens of current methods of communicating severe weather warnings through mailings.	EM, Fire	\$500	December 2024	On Schedule	Low	1
2A4	Educate community on flood precautions for private water wells through mailings and at community gatherings.	EM, Fire	\$500	December 2024	On Schedule	Low	1
2A5	Educate Public to the dangers to lake water quality by use of lawn additives and ice melt on driveways and sidewalks.	TBD	\$500	December 2024	On Schedule	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Identify and remediate trees infested with destructive invasive pests.	Public Works	\$50,000	Ongoing	Ongoing	Low	1
3A2	Explore formation of a Water and Wetland Commission to protect lake water quality, water level, and wetland preservation.	City Council	N/A	December 2024	On Schedule	1	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							

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Objective 4A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Explore formation of a Water and Wetland Commission to coordinate and work with the multiple state, federal, and municipal entities necessary to protect lake water level and quality and wetland preservation.	City Council	N/A	December 2024	On Schedule	Low	1
5A2	Obtain radio communications equipment for Emergency Management personnel and conduct training related thereto.	City Council, EM	\$1,000	December 2024	On Schedule	5	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Enforce existing codes to ensure future developments meet standards set to promote resistance to disaster.	Zoning	N/A	Ongoing	Ongoing	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Bury power lines.	TBD	\$2 million	2024-2027	On Schedule	Low	1, 4, 5
7A2	Convert City to municipal water system and prepare to connect homes to municipal water on emergency basis in the event of water well contamination.	City Council	\$2.7 million	2024-2027	On Schedule	4	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

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8A1	Develop, review, and revise City evacuation plans to assist citizens with limited mobility.	EM, Fire	N/A	August 2024	On Schedule	3	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Explore formation of a Water and Wetland Commission to coordinate and work with the multiple state, federal, and municipal entities necessary to review lake water level issues related to climate change related drought.	City Council	N/A	December 2024	On Schedule	Low	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

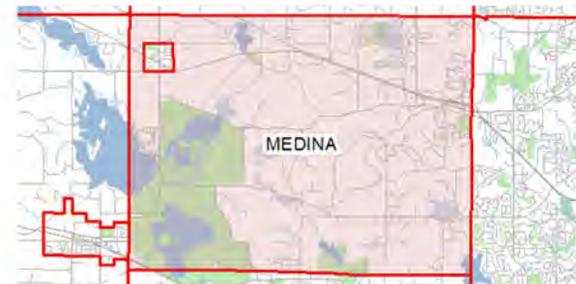
Medicine Lake 2018 – 2024 Mitigation Strategies Progress Report
No Prior Projects.

3.3.25. CITY OF MEDINA

Hennepin County - Medina

Medina is located 16 miles west of Minneapolis. Polaris Industries, a snowmobile and ATV manufacturing company, is based in the city of Medina. Minnesota State Highway 55 serves as the main route of transportation for the city

City Website: www.medinamn.us



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	8,746
H.S. Diploma or More - % of Adults 25+ (2022)	97.8%
Bachelor's Deg. or More - % of Adults 25+ (2022)	71.4%
Households (2022)	2,311
Total Housing Units (2022)	2,364
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%

Latitude/Longitude: 45.0326135, -93.584011
 Area: 27.01 sq. miles
 Area - Land only: 25.46 sq. miles (94%)
 Area - Water only: 1.55 sq. miles (6%)

Hazard Mitigation Project Goal Priority Ranking Aid

10 Mitigation Priority 1 (10A1)
 • Working with Lakes area Emergency Management Groups on tabletops fall of 2024, towards a drill and then functional exercise in 2024 and a full-scale exercise in 2025.

9 Mitigation Priority 2 (9A1)
 • Evaluate opportunities for Willow Drive and Tamarack Drive.

6 Mitigation Priority 3 (6A1)
 • Identify future sites for new sirens in the new developments.

Vulnerability

- Monticello NPP: 21 Miles
- Functional Needs: 8
- Bridges: 2

Capability

- Law Enforcement
- Police Chaplains Group
- FCC Registered Amateur Radio Licenses: 5

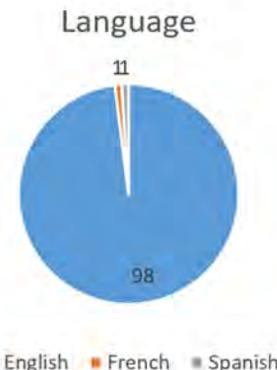
Corporate/Employer

- Polaris Industries

School District

- 278 Orono
- 284 Wayzata

Social Media:
 Facebook: Medina Police Department – Mn



https://apps.mla.org/map_data

2024 Medina Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Ensure all essential city first responders have the current revision of the Emergency Response Guidebook							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Distribute guidebooks when updated/received from Henn Co & assure responders are trained on their use	Medina EM	Staff Time	Ongoing	Ongoing	Low	1, 2
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Post link to severe weather articles on social media to increase residential awareness							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Utilize HSEM (dps.mn.gov) website for article content; post in April for ‘Severe Weather Awareness Week’ post in November for ‘Winter Hazard Awareness Week’	Medina EM	Staff Time	Ongoing	Ongoing	5	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Establish Multi-Jurisdictional partnership to reduce runoff							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Work with the local watersheds to continue to protect our lakes and streams for future water quality	City of Medina	20K	Ongoing	Ongoing	Low	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Identify at-risk residents who may be exceptionally vulnerable in the event of a long-term power outage							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Organize outreach and promote transitioning to a climate-controlled location during the power outage	Medina EM	Undetermined	Ongoing	Ongoing	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Wellhead Protection Plan							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Continue to meet the State and Federal regulations with the protection plan	City of Medina	Staff Time	Ongoing	Ongoing	Low	1

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Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Outdoor Warning Siren							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Identify future sites for new sirens in the new developments	Emergency Manager	90K	Ongoing	Ongoing	3	1
Objective 6B: Maintain Inter County Roads							
6B1	Work with the State and County to improve intersections with high accident rates	City of Medina	50K	Ongoing	Ongoing	Low	1, 4
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury Power Lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas	City of Medina	450K	Ongoing	Ongoing	Low	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A: Ensure vulnerable populations are adequately protected from the impacts of extreme temperatures							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Create a database to track those individuals at high risk of death, such as elderly, homeless, etc.	Medina EM	Staff Time	Ongoing	Ongoing	4	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A: Reduce impacts of localized street flooding							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Evaluate opportunities for Willow Drive and Tamarack Drive (x2)	Medina Public Works	\$1 million	Ongoing	Ongoing	2	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

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10A1	Working with Lakes area Emergency Management Groups on tabletops fall of 2024, towards a drill and then functional exercise in 2024 and a full-scale exercise in 2025	Medina EM	5,000	2026	Ongoing	1	1
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Medina 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 3A: Establish Multi-Jurisdictional partnership to reduce runoff	
Project Title/Action	3A1: Work with the local watersheds to continue to protect our lakes and streams for future water quality
Project Status	Ongoing
Responsible Agency	City of Medina
OBJECTIVE: 5A: Wellhead protection plan	
Project Title/Action	5A1: Continue to meet the State and Federal regulations with the protection plan
Project Status	Ongoing
Responsible Agency	City of Medina
OBJECTIVE: 6A: Outdoor Warning Siren	
Project Title/Action	6A1: Identify future sites for new sirens in the new developments
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 6B: Maintain Inter-County Roads	
Project Title/Action	6B1: Work with the State and County to improve intersections with high accident rates
Project Status	Ongoing
Responsible Agency	City of Medina
OBJECTIVE: 7A: Bury Power Lines	
Project Title/Action	7A1: Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
Project Status	Ongoing
Responsible Agency	City of Medina

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3.3.26. CITY OF MINNEAPOLIS

Hennepin County - Minneapolis

Minneapolis is the largest city in Minnesota and is the county seat for Hennepin County. Minneapolis has 83 neighborhoods and 70 neighborhood organizations. Xcel Energy supplies electricity, and CenterPoint Energy provides gas. The water supply is managed by four watershed districts that correspond with the Mississippi and three streams that are river tributaries. The city lies on both banks of the Mississippi River, just north of the river’s confluence with the Minnesota River, and adjoins Saint Paul, the state’s capital. Minneapolis has numerous routes of transportation including Interstate 494 and 694, Interstate 35W, Minnesota State Highway 62 and 77, U.S Route 169 and Minnesota State Highway 100 to name a few.

Population density: 7,749 people per square mile (high).

Tornado activity: Minneapolis-area historical tornado activity is slightly above Minnesota state average. It is 30% greater than the overall U.S. average.

Earthquake activity: Minneapolis-area historical earthquake activity is significantly above Minnesota state average. It is 56% smaller than the overall U.S. average.

City Website: <https://www.minneapolismn.gov>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	426,877
H.S. Diploma or More - % of Adults 25+ (2022)	90.8%
Bachelor's Deg. or More - % of Adults 25+ (2022)	53.5%
Households (2022)	185,674
Total Housing Units (2022)	198,971
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.6%



Latitude/Longitude: 44.9705185, -93.2616155

Area: 57.49 sq. miles
 Area - Land only: 54.01 sq. miles (94%)
 Area - Water only: 3.48 sq. miles (6%)



https://apps.mla.org/map_data

Hazard Mitigation Project Goal Priority Ranking Aid

7 Mitigation Priority 1 (7B1)
 • Protect Infrastructure and Critical Facilities

5 Mitigation Priority 2 (5B2)
 • Map Community Risks

2 Mitigation Priority 3 (2H3)
 • Improve Household Disaster Preparedness

Vulnerability

- Functional Needs 9326
- Target Center
- US. Bank Stadium
- University of Minnesota
- Bridges 871
- Rail
- Monticello NPP: 34 miles

Capability

- Hospitals 6
- International Airport
- Law Enforcement
- Fire Protection
- Streets and Highways
- Park and Recreation
- FCC Amateur Radio 1058

Corporate/Employer

- University of Minnesota – 25,836
- Target Corporation
- US Bancorp
- Ameriprise Financial
- Xcel Energy

School District

- 1 Minneapolis

Social Media: Facebook and X
<https://www.city-data.com/city/Minneapolis-Minnesota.html>

2024 Minneapolis Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Spring thaw and water bodies rising							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Improve Storm-Water Management Planning	Undetermined	Personnel Time	N/A	Complete		
1A2	Adopt Policies to Reduce Storm-Water Runoff	Undetermined	Personnel Time	N/A	Complete		
Objective 1B: Short term flooding from torrential rain							
1B1	Improve Storm-Water Management Planning	Undetermined	Personnel Time	N/A	Complete		
1B2	Adopt Policies to Reduce Storm-Water Runoff	Undetermined	Personnel Time	N/A	Complete		
Objective 1C: Unusual snow event							
1C1	Adopt and enforce building codes	Undetermined	Personnel Time	N/A	Complete		
1C2	Protect buildings and infrastructure	Undetermined	Undetermined	N/A	Complete		
1C3	Protect power lines	Undetermined	Undetermined	Ongoing	In Progress	Low	1, 4, 5
1C4	Reduce impacts to roadways	Undetermined	Undetermined	Ongoing	In Progress	Low	1, 4, 5
Objective 1D: Wind/Tornados							
1D1	Encourage construction of safe rooms	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
1D2	Require wind-resistant building techniques	Undetermined	Personnel Time	1 Year	In Progress	Low	1
Objective 1E: Evacuation routes-downtown, rail/hazmat							
1E1	Assess community risk	Emergency Management	Personnel Time	N/A	Complete		
Objective 1F: Landslides/subsidence							
1F1	Map and assess vulnerability to landslides	Undetermined	Personnel Time	1 Year	In Progress	Low	1
1F2	Prevent impacts to roadways	Undetermined	Undetermined	Ongoing	In Progress	Low	1
1F3	Map and assess vulnerability to subsidence	Undetermined	Personnel Time	1 Year	In Progress	Low	1
1F4	Manage development in high-risk areas	Undetermined	Personnel Time	N/A	Complete		
1F5	Consider subsidence in building design	Undetermined	Personnel Time	N/A	Complete		
1F6	Monitor subsidence risk factors	Undetermined	Personnel Time	N/A	Complete		
1F7	Remove existing structures from subsidence hazard areas	Undetermined	Undetermined	N/A	Cancelled		
Objective 1G: Vulnerable populations, lack of resiliency							
1G1	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1

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1G2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
1G3	Assist vulnerable populations	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 1H: Warning notification -downtown							
1H1	Assess community risk	Emergency Management	Undetermined	Ongoing	In Progress	Low	1
1H2	Assist vulnerable populations	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 1I: Severe cold; close schools, impact on infrastructure							
1I1	Reduce urban heat island effect	Undetermined	Undetermined	Ongoing	In Progress	Low	1
1I2	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	N/A	Complete		
1I3	Educate property owners about freezing pipes	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
Objective 1J: Severe hot weather							
1J1	Reduce urban heat island effect	Undetermined	Undetermined	Ongoing	In Progress	Low	1
1J2	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	N/A	Complete		
Objective 1K: Lightning strikes							
1K1	Protect critical facilities and equipment	Undetermined	Undetermined	Undetermined	In Progress	Low	1, 4, 5
Objective 1L: Fire with high winds, structure, and conflagration							
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Public outreach-rail corridor							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
2A2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	N/A	Complete		
2A3	Integrate mitigation into local planning	Emergency Management	Personnel Time	N/A	Complete		
Objective 2B: Evacuation routes-downtown, rail/hazmat							
2B1	Protect infrastructure and critical facilities	Undetermined	Undetermined	Ongoing	In Progress	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
Volume 3 – Community Mitigation Strategies

2B2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	N/A	Complete		
2B3	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
Objective 2C: Wind/Tornados							
2C1	Conduct tornado awareness activities	Emergency Management	Personnel Time	N/A	Complete		
2C2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	N/A	Complete		
2C3	Improve household disaster preparedness	Emergency Management	Personnel Time	N/A	Complete		
Objective 2D: Power grid down/interruption: Address heat and cold conditions							
2D1	Protect infrastructure and critical facilities	Undetermined	Undetermined	N/A	Complete		
2D2	Reduce urban heat island effect	Undetermined	Undetermined	Ongoing	In Progress	Low	1
2D3	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	N/A	Complete		
2D4	Protect power lines	Undetermined	Undetermined	Ongoing	In Progress	Low	1
2D5	Increase hazard education and risk awareness	Emergency Management	Personnel Time	N/A	Complete		
2D6	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
Objective 2E: Vulnerable populations, lack of resiliency							
2E1	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
2E2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
2E3	Assist vulnerable populations	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 2F: Warning notification -downtown							
2F1	Assess community risk	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
2F2	Assist vulnerable populations	Undetermined	Undetermined	Ongoing	In Progress	Low	1
2F3	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Objective 2G: Severe cold; close schools, impact on infrastructure							
2G1	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	N/A	Complete		
2G2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	N/A	Complete		
Objective 2H: Severe hot weather							
2H1	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	N/A	Complete		
2H2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	N/A	Complete		
2H3	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	In Progress	3	1
Objective 2I: Lightning strikes							
2I1	Conduct lightning awareness programs	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
2I2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Ongoing	In progress	Low	1
2I3	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
Objective 2J: Unusual snow event							
2J1	Conduct winter weather risk awareness activities	Emergency Management	Personnel Time	N/A	Complete		
2J2	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	N/A	Complete		
2J3	Increase hazard education and risk awareness	Emergency Management	Personnel Time	N/A	Complete		
2J4	Improve household disaster preparedness	Emergency Management	Personnel Time	N/A	Complete		
Objective 2K: Landslides/subsidence							
2K1	Educate residents about subsidence	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
2K2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							

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Objective 3A: Tree canopy decline							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Reduce urban heat island effect	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 3B: Landslides/subsidence							
3B1	Map and assess vulnerability to landslides	Undetermined	Personnel Time	N/A	Cancelled		
3B2	Prevent impacts to roadways	Undetermined	Undetermined	N/A	Cancelled		
3B3	Map and assess vulnerability to subsidence	Undetermined	Personnel Time	N/A	Cancelled		
3B4	Manage development in high-risk areas	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
3B5	Consider subsidence in building design	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
3B6	Monitor subsidence risk factors	Undetermined	Personnel Time	N/A	Cancelled		
3B7	Remove existing structures from subsidence hazard areas	Undetermined	Undetermined	N/A	Cancelled		
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Security of water plant							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Protect infrastructure and critical facilities	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 4B: Power grid down interruption: Address heat and cold conditions							
4B1	Protect infrastructure and critical facilities	Undetermined	Undetermined	Ongoing	In Progress	Low	1
4B2	Reduce urban heat island effect	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 4C: Landslides/subsidence							
4C1	Map and assess vulnerability to landslides	Undetermined	Personnel Time	N/A	Cancelled		
4C2	Map and assess vulnerability to subsidence	Undetermined	Personnel Time	N/A	Cancelled		
4C3	Monitor subsidence risk factors	Undetermined	Personnel Time	N/A	Cancelled		
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Evacuation routes-downtown, rail/hazmat							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Assess community risk	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
5A2	Map community risk	Undetermined	Personnel Time	Ongoing	In Progress	Low	1

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5A3	Adopt development regulations in hazard areas	Undetermined	Personnel Time	N/A	Complete		
5A4	Limit density in hazard areas	Undetermined	Personnel Time	N/A	Complete		
5A5	Protect structures	Undetermined	Undetermined	Ongoing	In Progress	Low	1
5A6	Protect infrastructure and critical facilities	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 5B: Major planned events and their impact on the community-scenario planning							
5B1	Assess community risk	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
5B2	Map community risk	Undetermined	Personnel Time	Ongoing	In Progress	2	1
5B3	Protect infrastructure and critical facilities	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
Objective 5C: Civil disturbance							
5C1	Assess community risk	Undetermined	Personnel Time	N/A	Cancelled		
5C2	Map community risk	Undetermined	Personnel Time	N/A	Cancelled		
5C3	Protect infrastructure and critical facilities	Undetermined	Personnel Time	Ongoing	In Progress	4	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Landslides/subsidence							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Map and assess vulnerability to landslides	Undetermined	Personnel Time	N/A	Cancelled		
6A2	Map and assess vulnerability to subsidence	Undetermined	Personnel Time	N/A	Cancelled		
6A3	Monitor subsidence risk factors	Undetermined	Personnel Time	N/A	Cancelled		
6A4	Prevent impacts to roadways	Undetermined	Undetermined	N/A	Cancelled		
6A5	Manage development in high-risk areas	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
6A6	Consider subsidence in building design	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
6A7	Remove existing structures from subsidence and landslide hazard areas	Undetermined	Undetermined	N/A	Cancelled		
Objective 6B: Short-term flooding from torrential rain							
6B1	Incorporate flood mitigation in local planning	Emergency Management	Personnel Time	Ongoing	In Progress	5	1
6B2	Limit or restrict development in floodplain areas	Undetermined	Personnel Time	N/A	Complete		
6B3	Adopt and enforce building codes and development standards	Undetermined	Personnel Time	N/A	Complete		
6B4	Adopt policies to reduce storm water runoff	Undetermined	Personnel Time	N/A	Complete		

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6B5	Protect infrastructure	Undetermined	Undetermined	Ongoing	In Progress	Low	1
6B6	Protect critical facilities	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 6C: Rail Corridor							
6C1	Protect sensitive uses from rail corridors potentially carrying hazardous materials	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 6D: Extreme Heat							
6D1	Reduce the urban heat island effect	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 6E: Wind/Tornado							
6E1	Promote or require site and building design standards to minimize wind damage	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
6E2	Protect power lines and infrastructure	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Infrastructure failure-water main e.g.,							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Protect infrastructure and critical facilities	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 7B: Drought; drinking water, source/intake							
7B1	Protect infrastructure and critical facilities	Undetermined	Undetermined	Ongoing	In Progress	1	1
Objective 7C: Wind/Tornado							
7C1	Conduct tornado awareness activities	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
7C2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
7C3	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
Objective 7D: River contamination; drinking water, contamination							
7D1	Protect infrastructure and critical facilities	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Objective 7E: Evacuation routes-downtown, rail/hazmat							
7E1	Protect infrastructure and critical facilities	Undetermined	Undetermined	Ongoing	In Progress	Low	1
7E2	Increase hazard education and risk awareness	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
7E3	Improve household disaster preparedness	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
Objective 7F: Landslide/subsidence							
7F1	Map and assess vulnerability to landslides	Undetermined	Personnel Time	N/A	Cancelled		

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7F2	Map and assess vulnerability to subsidence	Undetermined	Personnel Time	N/A	Cancelled		
7F3	Monitor subsidence risk factors	Undetermined	Personnel Time	N/A	Cancelled		
7F4	Prevent impacts to roadways	Undetermined	Undetermined	N/A	Cancelled		
7F5	Manage development in high-risk areas	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
7F6	Consider subsidence in building design	Undetermined	Personnel Time	Ongoing	In Progress	Low	1
7F7	Remove existing structures from subsidence hazard areas	Undetermined	Undetermined	N/A	Cancelled		
Objective 7G: Vulnerable populations, lack of resiliency							
7G1	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	In progress	Low	1
7G2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Ongoing	In Progress	Low	1
7G3	Assist vulnerable populations	Undetermined	Undetermined	Ongoing	In Progress	Low	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Minneapolis 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Spring thaw and water bodies rising	
Project Title/Action	1A1: Improve Storm-water Management Planning
Project Status	Complete
Project Title/Action	1A2: Adopt Policies to Reduce Storm-water Runoff
Project Status	Complete
Responsible Agency	Emergency Management
OBJECTIVE: 1B: Short term flooding from torrential rain	
Project Title/Action	1B1: Improve Storm-water Management Planning
Project Status	Complete
Project Title/Action	1B2: Adopt Policies to Reduce Storm-water Runoff
Project Status	Complete
Responsible Agency	Emergency Management
OBJECTIVE: 1C: Unusual Snow Event	
Project Title/Action	1C1: Adopt and Enforce Building Codes
Project Status	Complete
Project Title/Action	1C2: Protect Buildings and Infrastructure
Project Status	Complete
Project Title/Action	1C3: Protect Power Lines
Project Status	On-Schedule
Project Title/Action	1C4: Reduce Impacts to Roadways
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 1D: Wind/Tornados	
Project Title/Action	1D1: Encourage Construction of Safe Rooms
Project Status	Canceled
Project Title/Action	1D2: Require Wind-Resistant Building Techniques
Project Status	Complete
Responsible Agency	Emergency Management
OBJECTIVE: 1E: Evacuation routes-downtown rail/hazmat	
Project Title/Action	1E1: Assess Community Risk
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 1F: Landslides/subsidence	
Project Title/Action	1F1: Map and Assess Vulnerability to Landslides
Project Status	Canceled
Project Title/Action	1F2: Prevent Impacts to Railways
Project Status	On-Schedule
Project Title/Action	1F3: Map and Assess Vulnerability to Subsidence
Project Status	Canceled
Project Title/Action	1F4: Manage Development in High-Risk Areas
Project Status	Complete
Project Title/Action	1F5: Consider Subsidence in Building Design
Project Status	Complete
Project Title/Action	1F6: Monitor Subsidence Risk Factors
Project Status	Canceled

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Project Title/Action	1F7: Remove Existing Structures from Subsidence Hazard Areas
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 1G: Vulnerable populations, lack of resiliency	
Project Title/Action	1G1: Improve household Disaster Preparations
Project Status	On-Schedule
Project Title/Action	1G2: Increase Hazard Education and Risk Awareness
Project Status	On-Schedule
Project Title/Action	1G3: Assist Vulnerable Populations
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 1H: Warning notification - downtown	
Project Title/Action	1H1: Assess Community Risk
Project Status	On-Schedule
Project Title/Action	1H2: Assist Vulnerable Populations
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 1I: Severe cold; close schools, impact on infrastructure	
Project Title/Action	1I1: Reduce Urban Head Island Effect
Project Status	Complete
Project Title/Action	1I2: Increase Awareness of Extreme Temperature Risk and Safety
Project Status	On-Schedule
Project Title/Action	1I3: Educate Property Owners About Freezing Pipes
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 1J: Severe hot weather	
Project Title/Action	1J1: Reduce Urban Island Heat Island Effect
Project Status	On-Schedule
Project Title/Action	1J2: Increase Awareness of Extreme Temperature Risk and Safety
Project Status	Complete
Responsible Agency	Emergency Management
OBJECTIVE: 1K: Lightning Strikes	
Project Title/Action	1K1: Protect Critical Facilities and Equipment
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 2A: Public outreach-rail corridor	
Project Title/Action	2A1: Improve Household Disaster Preparedness
Project Status	Delayed
Project Title/Action	2A2: Increase Hazard Education and Risk Awareness
Project Status	Complete
Project Title/Action	2A3: Integrate Mitigation into Local Planning
Project Status	Complete
Responsible Agency	Emergency Management
OBJECTIVE: 2B: Evacuation routes-downtown, rail/hazmat	
Project Title/Action	2B1: Protect Infrastructure and Critical Facilities
Project Status	Canceled

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Project Title/Action	2B2: Increase Hazard Education and Risk Awareness
Project Status	On-Schedule
Project Title/Action	2B3: Improve Household Disaster Preparedness
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 2C: Wind/tornadoes	
Project Title/Action	2C1: Conduct Tornado Awareness Activities
Project Status	Complete
Project Title/Action	2C2: Increase Hazard Education and Risk Awareness
Project Status	Complete
Project Title/Action	2C3: Improve Household Disaster Preparedness
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 2D: Power grid down interruption: Address heat and cold conditions	
Project Title/Action	2D1: Protect Infrastructure and Critical Facilities
Project Status	On-Schedule
Project Title/Action	2D2: Reduce Urban Heat Island Effect
Project Status	On-Schedule
Project Title/Action	2D3: Increase Awareness of extreme Temperature Risk and Safety
Project Status	Complete
Project Title/Action	2D4: Protect Power Lines
Project Status	On-Schedule
Project Title/Action	2D5: Increase Hazard Education and Risk Awareness
Project Status	Complete
Project Title/Action	2D6: Improve Household Disaster Preparedness
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 2E: Vulnerable populations, lack of resiliency	
Project Title/Action	2E1: Improve Household Disaster Preparedness
Project Status	On-Schedule
Project Title/Action	2E2: Increase Hazard Education and Risk Awareness
Project Status	On-Schedule
Project Title/Action	2E3: Assist Vulnerable Populations
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 2F: Warning notification - downtown	
Project Title/Action	2F1: Assist Community Risk
Project Status	On-Schedule
Project Title/Action	2F2: Assist Vulnerable Populations
Project Status	On-Schedule
Project Title/Action	2F3: Increase Hazard Education and Risk Awareness
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 2G: Severe cold; close schools, impact on infrastructure	
Project Title/Action	2G1: Increase Awareness of Extreme Temperature Risk and Safety
Project Status	Complete

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Project Title/Action	2G2: Increase Hazard Education and Risk Awareness
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 2H: Severe hot weather	
Project Title/Action	2H1: Increase Awareness of Extreme Temperature Risk and Safety
Project Status	Complete
Project Title/Action	2H2: Increase Hazard Education and Awareness
Project Status	Complete
Project Title/Action	2H3: Improve Household Disaster Preparedness
Project Status	Complete
Responsible Agency	Emergency Management
OBJECTIVE: 2I: Lightning Strikes	
Project Title/Action	2I1: Conduct Lightning Awareness Programs
Project Status	Complete
Project Title/Action	2I2: Increase Hazard Education and Risk Awareness
Project Status	Complete
Project Title/Action	2I3: Improve Household Disaster Preparedness
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 2J: Unusual snow event	
Project Title/Action	2J1: Conduct Winter Weather Risk Awareness Activities
Project Status	Complete
Project Title/Action	2J2: Increase Awareness of Extreme Temperature Risk and Safety
Project Status	Complete
Project Title/Action	2J3: Increase Hazard Education and Risk Awareness
Project Status	Canceled
Project Title/Action	2J4: Improve Household Disaster Preparedness
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 2K: Landslide/subsidence	
Project Title/Action	2K1: Educate Residents about Subsidence
Project Status	Canceled
Project Title/Action	2K2: Increase Hazard Education and Risk Awareness
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 3A: Tree canopy decline	
Project Title/Action	3A1: Reduce Urban Heat Island Effect
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 3B: Landslides/subsidence	
Project Title/Action	3B1: Map and Assess Vulnerability to Landslides
Project Status	Canceled
Project Title/Action	3B2: Prevent Impacts to Roadways
Project Status	Canceled
Project Title/Action	3B3: Map and Assess Vulnerability to Subsidence
Project Status	Canceled

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Project Title/Action	3B4: Manage Development in High-Risk Areas
Project Status	Complete
Project Title/Action	3B5: Consider Subsidence in Building Design
Project Status	Canceled
Project Title/Action	3B6: Monitor Subsidence Risk Factors
Project Status	Canceled
Project Title/Action	3B7: Remove Existing Structures from Subsidence Hazard Areas
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 4A: Security of water plant	
Project Title/Action	4A1: Protect Infrastructure and Critical Facilities
Project Status	On-Schedule
Summary of Project	Protect drinking water supply by completing an all-hazards vulnerability assessment for drinking water system from source to tap.
Responsible Agency	Emergency Management
OBJECTIVE: 4B: Power grid down interruption: Address heat and cold conditions	
Project Title/Action	4B1: Protect Infrastructure and Critical Facilities
Project Status	On-Schedule
Project Title/Action	4B2: Reduce Urban Heat Island Effect
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 4C: Landslides/subsidence	
Project Title/Action	4C1: Map and Assess Vulnerability to Landslides
Project Status	Canceled
Project Title/Action	4C2: Map and Assess Vulnerability to Subsidence
Project Status	Canceled
Project Title/Action	4C3: Monitor Subsidence Risk Factors
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 5A: Evacuation routes-downtown, rail/hazmat	
Project Title/Action	5A1: Assess Community Risk
Project Status	Complete
Project Title/Action	5A2: Map Community Risk
Project Status	On-Schedule
Project Title/Action	5A3: Adopt Development Regulations in Hazard Areas
Project Status	Complete
Project Title/Action	5A4: Limit Density in Hazard Areas
Project Status	Complete
Project Title/Action	5A5: Protect Structures
Project Status	On-Schedule
Project Title/Action	5A6: Protect Infrastructure and Critical Facilities
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 5B: Major planned events and their impact on the community-scenario planning	
Project Title/Action	5B1: Assess Community Risk
Project Status	On-Schedule

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Project Title/Action	5B2: Map Community Risk
Project Status	On-Schedule
Project Title/Action	5B3: Protect Infrastructure and Critical Facilities
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 5C: Civil Disturbance	
Project Title/Action	5C1: Assess Community Risk
Project Status	Canceled
Project Title/Action	5C2: Map Community Risk
Project Status	Canceled
Project Title/Action	5C3: Protect Infrastructure and Critical Facilities
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 6A: Landslides/subsidence	
Project Title/Action	6A1: Map and Assess Vulnerability to Landslides
Project Status	Canceled
Project Title/Action	6A2: Map and Assess Vulnerability to Subsidence
Project Status	Canceled
Project Title/Action	6A3: Monitor Subsidence Risk Factors
Project Status	Canceled
Project Title/Action	6A4: Prevent Impacts to Roadways
Project Status	Canceled
Project Title/Action	6A5: Manage Development in High-Risk Areas
Project Status	Canceled
Project Title/Action	6A6: Consider Subsidence in Building Design
Project Status	Complete
Project Title/Action	6A7: Remove Existing Structures from Subsidence and Landslide Hazard Areas
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 6B: Short-term flooding from torrential rain	
Project Title/Action	6B1: Incorporate Flood Mitigation in Local Planning
Project Status	Complete
Project Title/Action	6B2: Limit or Restrict Development in Floodplain Areas
Project Status	Complete
Project Title/Action	6B3: Adopt and Enforce Building Codes and Development Standards
Project Status	Delayed
Project Title/Action	6B4: Adopt Policies to Reduce Storm water Runoff
Project Status	Complete
Project Title/Action	6B5: Protect Infrastructure
Project Status	Complete
Project Title/Action	6B6: Protect Critical Facilities
Project Status	Complete
Responsible Agency	Emergency Management

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OBJECTIVE: 6C: Rail Corridor	
Project Title/Action	6C1: Protect Sensitive Uses from Rail Corridors Potentially Carrying Hazardous Materials
Project Status	Complete
Responsible Agency	Emergency Management
OBJECTIVE: 6D: Extreme Heat	
Project Title/Action	6D1: Reduce Urban Heat Island Effect
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 6E: Wind/Tornado	
Project Title/Action	6E1: Promote or Require Site and Building Design Standards to Minimize Wind Damage
Project Status	On-Schedule
Project Title/Action	6E2: Promote Power Lines and Infrastructure
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 7A: Infrastructure failure-water main e.g.,	
Project Title/Action	7A1: Protect Infrastructure and Critical Facilities
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 7B: Drought; drinking water, source/intake	
Project Title/Action	7B1: Protect Infrastructure and Critical Facilities
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 7C: Wind/Tornados	
Project Title/Action	7C1: Conduct Tornado Awareness Activities
Project Status	On-Schedule
Project Title/Action	7C2: Increase Hazard Education and Risk Awareness
Project Status	On-Schedule
Project Title/Action	7C3: Improve Household Disaster Preparedness
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 7D: River contamination; drinking water, contamination	
Project Title/Action	7D1: Protect Infrastructure and Critical Facilities
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 7E: Evacuation routes-downtown, rail/hazmat	
Project Title/Action	7E1: Protect Infrastructure and Critical Facilities
Project Status	On-Schedule
Project Title/Action	7E2: Increase Hazard Education and Risk Awareness
Project Status	On-Schedule
Project Title/Action	7E3: Improve Household Disaster Preparedness
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 7F: Landslides/subsidence	
Project Title/Action	7F1: Map and Assess Vulnerability to Landslides

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Project Status	Canceled
Project Title/Action	7F2: Map and Assess Vulnerability to Subsidence
Project Status	Canceled
Project Title/Action	7F3: Monitor Subsidence Risk Factors
Project Status	Canceled
Project Title/Action	7F4: Prevent Impacts to Roadways
Project Status	Canceled
Project Title/Action	7F5: Manage Development in High-Risk Areas
Project Status	Complete
Project Title/Action	7F6: Consider Subsidence in Building Design
Project Status	Complete
Project Title/Action	7F7: Remove Existing Structures from Subsidence Hazard Areas
Project Status	Canceled
Responsible Agency	Emergency Management
OBJECTIVE: 7G: Vulnerable populations, lack of resiliency	
Project Title/Action	7G1: Improve Household Disaster Preparedness
Project Status	On-Schedule
Project Title/Action	7G2: Increase Hazard Education and Risk Awareness
Project Status	On-Schedule
Project Title/Action	7G3: Assist Vulnerable Populations
Project Status	On-Schedule
Responsible Agency	Emergency Management

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3.3.27. CITY OF MINNETONKA

Hennepin County - Minnetonka

Minnetonka is a fully developed suburban community of more than 53,000 residents located eight miles west of Minneapolis. The city's natural surroundings - including trees, wetlands, prairies and diverse bodies of water - give it a distinct character. The city strives for safe and healthy community by developing programs, policies and procedures that enhance the community's well-being and partner with the community to provide engagement opportunities and build trust. Sustain focus on prevention programs, education, hazard mitigation and rapid emergency response.

Population density: 1,962 people per square mile (low).

Tornado activity: Minnetonka-area historical tornado activity is slightly above Minnesota state average. It is 30% greater than the overall U.S. average.

Earthquake activity: Minnetonka-area historical earthquake activity is significantly above Minnesota state average. It is 54% smaller than the overall U.S. average.

City Website: <https://www.minnetonkamn.gov/>



<https://www.statsamerica.org/town/>



People & Housing	
Population Estimate (2022)	53,529
H.S. Diploma or More - % of Adults 25+ (2022)	97.4%
Bachelor's Deg. or More - % of Adults 25+ (2022)	62.9%
Households (2022)	23,402
Total Housing Units (2022)	24,647
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	1.3%

Latitude/Longitude: 44.935059, -93.4612015
 Area: 28.19 sq. miles
 Area - Land only: 26.90 sq. miles (95%)
 Area - Water only: 1.29 sq. miles (5%)

Hazard Mitigation Project Goal Priority Ranking Aid

9

Mitigation Priority 1 (9A1)

- Implement community-wide Climate Action and Adaptation Plan.

10

Mitigation Priority 2 (10A1)

- Research, identify and secure grant funding for backup generators for the Willison Fitness Center and the Marsh facilities that serve as community lifeline/shelter and critical infrastructure for possible natural hazards.

6

Mitigation Priority 3 (6A2)

- Examine how zoning ordinances may create barriers to response and recovery efforts pre-, during, and post-event, including equity considerations..

Vulnerability

- Monticello NPP: 31 Miles
- Functional Needs: 1015
- Bridges: 90

Capability

- Law Enforcement
- Fire Department
- Parks and recreation
- FCC Registered Amateur Radio Licenses: 204

Corporate/Employer

- United Health Group 4400
- Minnetonka Public schools 1883
- Starkey Laboratories 1700
- Rosemount Engineering 1600
- St. Jude Medical 1300
- Cargill
- Abbott Labs
- Medica Health Plans

School District

- 276 Minnetonka



Social Media: Facebook.com/city of Minnetonka@mtkafd

<https://www.city-data.com/city/Minnetonka-Minnesota.html>

2024 Minnetonka Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Improve Community Notification Capabilities							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Distribute guidebooks when updated ones are received from Hennepin County, and assure responders are trained on their use	Minnetonka Fire and EM	Staff Time	Ongoing	Ongoing	10	1, 2
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Achieve certification in National Weather Service StormReady program							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Continue to promote Storm Ready ideals of awareness, outreach, and preparation.	Minnetonka Fire and EM	Staff Time	Ongoing	Ongoing	12	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Continue to participate in the National Flood Insurance Program.	Minnetonka Community Development and Engineering	Staff Time	Ongoing	Ongoing	11	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Ensure water runoff choke points have adequate infrastructure to withstand flood							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Update GIS data based on changing city development and criteria evolution.	Minnetonka Engineering	Staff Time	Ongoing	Ongoing	7	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Promote the use of WebEOC for communication with Hennepin County, for relaying to state and federal agencies.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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5A1	Conduct WebEOC training sessions for key staff once the major software updates are installed.	Minnetonka Fire and EM	Staff Time	Ongoing	Ongoing	9	1
Objective 5B: Tabletop Exercise							
5B1	Conduct a tabletop exercise in the city’s emergency operations center for city staff.	Minnetonka Fire and EM	Staff Time	Ongoing	Ongoing	4	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Continue to enforce permitting, building, floodplain, and fire code compliance on all development.	Minnetonka Community Development	Staff Time	Ongoing	Ongoing	Low	1
6A2	Examine how zoning ordinances may create barriers to response and recovery efforts pre-, during, and post-event, including equity considerations.	Minnetonka Community Development; EM; and Diversity, Equity Inclusion Coordinator;	Staff Time	Ongoing	Ongoing	3	1
Goal 7: Support local communities’ capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury power lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Continue to encourage the use of buried power lines and floodplain mitigation in all development	Minnetonka Community Development, engineering, Fire, and Xcel Energy	Staff Time	Ongoing	Ongoing	8	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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8A1	Identify barriers that prevent underserved communities, vulnerable populations and those with access and functional needs from participating in public meetings.	Minnetonka Community Development; and Diversity, Equity and Inclusion Coordinator	Staff Time	Ongoing	Ongoing	5	1
8A2	Review opportunities to expand translation services for public education	Minnetonka Community Development; and Diversity, Equity and Inclusion Coordinator	Staff Time	Ongoing	Ongoing	6	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Implement community-wide Climate Action and Adaptation Plan.	Minnetonka Community Development; and Diversity, Equity and Inclusion Coordinator	Staff time	Ongoing	Ongoing	1	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Research, identify and secure grant funding for backup generators for the Willison Fitness Center and the Marsh facilities that serve as community lifeline/shelter and critical infrastructure for possible natural hazards.	Minnetonka Recreation; Minnetonka Public Works;	Staff Time	6 Months	Delayed	2	1, 4, 5

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
Volume 3 – Community Mitigation Strategies

		and Minnetonka Fire and EM					
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Minnetonka 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Ensure that all essential city first responders have the current version of the Emergency Response Guidebook	
Project Title/Action	1A1: Distribute guidebooks when updated ones are received from Hennepin County, and assure responders are trained on their use
Project Status	Ongoing
Summary of Project	Update
Responsible Agency	Minnetonka Fire and E/M
OBJECTIVE: 2A: Maintain the city’s National Weather Service StormReady certification	
Project Title/Action	2A1: Continue to promote StormReady ideals of awareness, outreach, and preparation
Project Status	Ongoing
Responsible Agency	Minnetonka Fire and E/M
OBJECTIVE: 3A: Assure continued compliance and participation in the National Flood Insurance Program	
Project Title/Action	3A1: Continue to participate in the National Flood Insurance Program
Project Status	Ongoing
Responsible Agency	Minnetonka Community Development and Engineering
OBJECTIVE: 4A: Utilize GIS data for identification of areas	
Project Title/Action	4A1: Update GIS data based on changing city development and criteria evolution
Project Status	Ongoing
Responsible Agency	Minnetonka Engineering
OBJECTIVE: 5A: Promote the use of WebEOC for communication with Hennepin County, for relaying to state and federal agencies	
Project Title/Action	5A1: Conduct WebEOC training sessions for key staff once the major software updated are installed
Project Status	Ongoing
Responsible Agency	Minnetonka Fire and E/M
OBJECTIVE: 5B: Tabletop exercise	
Project Title/Action	5B1: Conduct a tabletop exercise in the city’s emergency operations center for city staff
Project Status	Ongoing
Responsible Agency	Minnetonka Fire and E/M
OBJECTIVE: 6A: Provide for compliant development	
Project Title/Action	6A1: Continue to enforce permitting, building, floodplain, and fire code compliance on all development
Project Status	Ongoing
Responsible Agency	Minnetonka Community Development
OBJECTIVE: 7A: Advocate for the use of buried power utilities and sound floodplain management	
Project Title/Action	7A1: Continue to encourage the use of buried power lines and floodplain mitigation in all development
Project Status	Ongoing
Responsible Agency	Minnetonka Community Development Engineering, Fire, and Xcel Energy

3.3.28. CITY OF MINNETONKA BEACH

Hennepin County – Minnetonka Beach

City Website: <https://www.ci.minnetonka-beach.mn.us/>

The City of the Village of Minnetonka Beach is a boot shaped peninsula located on Lake Minnetonka. There are 230 homes and 540 residents. The City is primarily residential except for the Lafayette Club and St. Martin's Church. Careful planning has allowed the City to maintain open space and park lands, and to retain the "village" atmosphere.



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	463
H.S. Diploma or More - % of Adults 25+ (2022)	98.0%
Bachelor's Deg. or More - % of Adults 25+ (2022)	77.7%
Households (2022)	170
Total Housing Units (2022)	194
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	7.7%

Latitude/Longitude: 44.938181, -93.5899
 Area: 0.47 sq. miles
 Area - Land only: 0.47 sq. miles (98%)
 Area - Water only: 0.01 sq. miles (2%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 7** Mitigation Priority 1 (7A1)
 - Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
- 5** Mitigation Priority 2 (5A1)
 - Continue to meet the State and Federal regulations with the protection plan
- 1** Mitigation Priority 3 (1A2)
 - Continue to participate in the National Flood Insurance Program

Vulnerability

- Monticello NPP: 27 Miles

Corporate/Employer

- Lafayette Club

Capability

- Law Enforcement covered by Orono
- Fire Department covered by Mound
- Police Chaplains Group

School District

- 278 Orono

Language



■ English ■ German

https://apps.mla.org/map_data

2024 Minnetonka Beach Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Review and update policies that discourage growth in flood-prone areas	City of Minnetonka Beach	Staff Time	2024-2028	Ongoing	4	1
1A2	Continue to participate in the National Flood Insurance Program	City of Minnetonka Beach	Staff Time	2024-2028	Ongoing	3	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Increase awareness and knowledge of hazard mitigation principles and practices	City of Minnetonka Beach	Staff Time	2024-2028	Ongoing	6	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Establish Multi-Jurisdictional partnership to reduce runoff							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Work with the local watersheds to continue to protect our lakes and streams for future water quality	City of Minnetonka Beach	Cost for construction of holding ponds Design Construction	2024-2028	Ongoing	5	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
 Volume 3 – Community Mitigation Strategies

Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Wellhead Protection Plan							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Continue to meet the State and Federal regulations with the protection plan	City of Minnetonka Beach	Staff Time	2024-2028	Ongoing	2	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Build and support local capacity and commitment to become less vulnerable to hazards							
Objective 7A: Bury Power Lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas	City of Minnetonka Beach	Plans Construction	2024-2028	Ongoing	1	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
Volume 3 – Community Mitigation Strategies

Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Minnetonka Beach 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding	
Project Title/Action	1A1: Review and update policies that discourage growth in flood-prone areas
Project Status	Ongoing
Project Title/Action	1A2: Continue to participate in the National Flood Insurance Program
Project Status	Ongoing
Responsible Agency	City of Minnetonka Beach
OBJECTIVE: 2A: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community	
Project Title/Action	2A1: Increase awareness and knowledge of hazard mitigation principles and practices
Project Status	Ongoing
Responsible Agency	City of Orono
OBJECTIVE: 3A: Establish Multi-Jurisdictional partnership to reduce runoff	
Project Title/Action	3A1: Work with the local watersheds to continue to protect our lakes and streams for future water quality
Project Status	Ongoing
Responsible Agency	City of Minnetonka Beach
OBJECTIVE: 5A: Wellhead Protection Plan	
Project Title/Action	5A1: Continue to meet the State and Federal regulations with the protection plan
Project Status	Ongoing
Responsible Agency	City of Minnetonka Beach
OBJECTIVE: 7A: Bury Power Lines	
Project Title/Action	7A1: Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
Project Status	Ongoing
Responsible Agency	City of Minnetonka Beach

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3.3.29. CITY OF MINNETRISTA

Hennepin County - Minnetrista

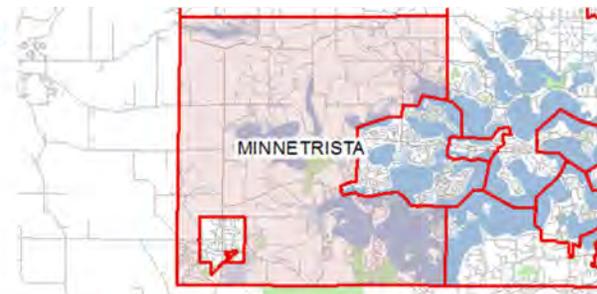
Minnetrista is a rural community located on the western bays of Lake Minnetonka and in southwestern Hennepin County. With an area of 32 square miles, the city consists of emerging suburban development, diversified rural, and agricultural land uses. Over the last ten years, the city's population has increased by nearly 10% and is now nearly 8,500. Continued and controlled residential growth is projected, however, preserving the rural character is important to the community.

Annual events include National Night Out, Trista Days, State of the City Address, City Bus Tour, and a Holiday Tree Lighting event. County Roads 15, 44, and 110 are the three main transportation routes for the city.

City website: <https://www.cityofminnetrista.com/>



<https://www.statsamerica.org/town/>



Population density: 328 people per square mile (very low).

Tornado activity: Minnetrista-area historical tornado activity is slightly above Minnesota state average. It is 28% greater than the overall U.S. average.

Earthquake activity: Minnetrista-area historical earthquake activity is significantly above Minnesota state average. It is 52% smaller than the overall U.S. average.

People & Housing	
Population Estimate (2022)	8,347
H.S. Diploma or More - % of Adults 25+ (2022)	100.0%
Bachelor's Deg. or More - % of Adults 25+ (2022)	70.7%
Households (2022)	2,753
Total Housing Units (2022)	3,037
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	3.2%

Latitude/Longitude: 44.9346535, -93.706418
 Area: 30.76 sq. miles
 Area - Land only: 25.82 sq. miles (84%)
 Area - Water only: 4.94 sq. miles (16%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 7** Mitigation Priority 1 (7A1)
 - Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
- 3** Mitigation Priority 2 (3A1)
 - Work with the local watersheds to continue to protect our lakes and streams for future water quality
- 2** Mitigation Priority 3 (2A1)
 - Increase awareness and knowledge of hazard mitigation principles and practices

Vulnerability

- Monticello NPP: 26 Miles
- Minnehaha Creek Watershed
- Pioneer-Sarah Creek Watershed
- 6-mile creek
- Bridges: 6

Capability

- Law Enforcement
- Fire Department
- Police Chaplains Group
- Public Works
- Emergency Management on city website
- FCC Registered Amateur Radio Licenses: 5

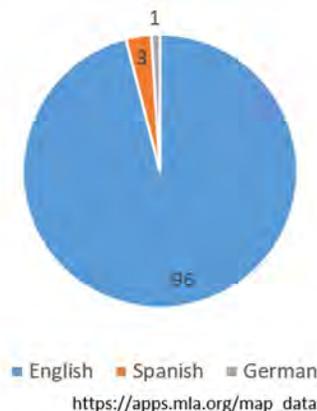
Corporate/Employer

- Crown College
- Agriculture and Farming

School District

- 879 Delano
- 110 Waconia
- 111 Watertown-Mayer
- 277 Westonka

Language



<https://www.city-data.com/city/Minnetrista-Minnesota.html>

2024 Minnetrista Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Review and update policies that discourage growth in flood-prone areas	City of Minnetrista	Staff Time	Ongoing	Ongoing	Low	1
1A2	Continue to participate in the National Flood Insurance Program	City of Minnetrista	Staff Time	Ongoing	Ongoing	Low	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Work with local agencies to promote hazard mitigation in local community.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Increase awareness and knowledge of hazard mitigation principles and practices	City of Minnetrista	Staff Time	Ongoing	Ongoing	3	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Establish Multi-Jurisdictional partnership to reduce runoff							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Work with the local watersheds to continue to protect our lakes and streams for future water quality	City of Minnetrista	Cost for construction of holding ponds Design Construction	Ongoing	Ongoing	2	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Wellhead Protection Plan							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Continue to meet the State and Federal regulations with the protection plan	City of Minnetrista	Staff Time	Ongoing	Ongoing	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury Power Lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas	City of Minnetrista	Plans Construction	Ongoing	Too cost prohibitive	1	1, 4, 5
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Minnetrissa 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding	
Project Title/Action	1A1: Review and update policies that discourage growth in flood-prone areas
Project Status	In-Progress
Responsible Agency	Planning Department
Project Title/Action	1A2: Continue to participate in the National Flood Insurance Program
Project Status	Ongoing
Summary of Project	Planning Department
Responsible Agency	City of Minnetrista
OBJECTIVE: 2A: Work with local agencies to promote hazard mitigation in local community	
Project Title/Action	2A1: Increase awareness and knowledge of hazard mitigation principles and practices
Project Status	Ongoing
Summary of Project	Administration, Police Department
Responsible Agency	City of Minnetrista
OBJECTIVE: 3A: Establish Multi-Jurisdictional partnership to reduce runoff	
Project Title/Action	3A1: Work with the local watersheds to continue to protect our lakes and streams for future water quality
Project Status	Ongoing
Responsible Agency	City of Minnetrista
OBJECTIVE: 5A: Wellhead Protection Plan	
Project Title/Action	5A1: Continue to meet the State and Federal regulations with the protection plan
Project Status	Ongoing
Responsible Agency	City of Minnetrista
OBJECTIVE: 7A: Bury Power Lines	
Project Title/Action	7A1: Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
Project Status	Ongoing
Responsible Agency	City of Minnetrista

3.3.30. CITY OF MOUND

Hennepin County - Mound

Mound derived its name from the Indian mounds once found within the present-day limits. They were not built by the Dakota Indians, but made by prehistoric Indians. Mound is also the birthplace of the Tonka truck, which is named after Lake Minnetonka. The "Tonka Toys" headquarters was originally located in Mound, until business picked up and they needed a more suitable location for supplies to be delivered to. Considering Mound is half water, it was very hard to navigate

Population density: 3,120 people per square mile (average).

Tornado activity: Mound-area historical tornado activity is slightly above Minnesota state average. It is 28% greater than the overall U.S. average.

Earthquake activity: Mound-area historical earthquake activity is significantly above Minnesota state average. It is 52% smaller than the overall U.S. average.

City Website: www.cityofmound.com



<https://www.statsamerica.org/town/>



People & Housing	
Population Estimate (2022)	9,272
H.S. Diploma or More - % of Adults 25+ (2022)	98.8%
Bachelor's Deg. or More - % of Adults 25+ (2022)	44.4%
Households (2022)	4,414
Total Housing Units (2022)	4,660
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	3.6%

Latitude/Longitude: 44.9345775, -93.660618
 Area: 4.95 sq. miles
 Area - Land only: 2.86 sq. miles (58%)
 Area - Water only: 2.10 sq. miles (42%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 6** Mitigation Priority 1 (6A2)
 - Enforce all zoning, floodplain, permitting, building, and fire code requirements to ensure compliance on development.
- 4** Mitigation Priority 2 (4A2)
 - Promote the use of the Calculated Priority Risk Index formula to prioritize identified threats and hazards within the community.
- 2** Mitigation Priority 3 (2B1)
 - Continue to promote enrollment in the city of Mound mass-notification system.

Vulnerability

- Monticello NPP: 26 Miles
- Bridges: 4

Corporate/Employer

- RPC Commerce Place
- Stonegate Plaza
- Balboa Business Center
- Mound Marketplace

Capability

- Fire Department
- Law Enforcement- Orono
- Police Chaplains Group
- Public Works
- FCC Registered Amateur Radio Licenses: 43

School District

- 277 Westonka

Language



English Spanish

https://apps.mla.org/map_data

<https://www.city-data.com/city/Mound-Minnesota.html>

2024 Mound Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Develop and Implement a basic “Hazard Assessment- Risk Reduction Plan” to circumvent loss of life, injuries, or disasters.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Require proper utility locates have been completed per city ordinance and state laws	City of Mound	N/A	Ongoing	In progress	1	1
1A2	Designate and/or create safe haven storm shelters in the community, and communicate locations to the public	City of Mound	N/A	Dec-2025	In progress	5	1, 5
Objective 1B: Maintain or replace warning sirens on a regular basis or as necessary to insure siren functionality and effectiveness							
1B1	Replace one (1) outdoor warning siren that was installed in 2009: due to age, system failures, and normal system life expectancy.	City of Mound	\$34,000	2029	On hold	7	1
1B2	Ensure all outdoor warning sirens have a back-up power source (i.e.: battery or solar power back-up system).	City of Mound	\$600.00 Annually	6 Months	Complete		
1B3	Continue to monitor outdoor warning siren test results to identify any required maintenance needs.	City of Mound	\$3,100.00 Annually	Ongoing	In progress	2	1
Objective 1C: Ensure that all of the essential city first responders have the current version of the Emergency Response Guidebooks (ERG)							
1C1	Distribute ERG guidebooks when the updated version is received from Hennepin County. Ensure responders are well trained on use of ERG.	Mound FD Orono PD	N/A	Every 4 years	Complete		
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Maintain the city of Mound Weather Ready Nation Ambassador program and increase public knowledge and awareness with regard to Severe Weather Risks.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Continue to promote important Weather Ready ideals of awareness, outreach, and preparation.	City of Mound EM	N/A	July 2024	In progress	4	1
2A2	Promote the use of NOAA Weather Radios in government-owned facilities, childcare centers, and facilities with vulnerable populations.	City of Mound EM	N/A	N/A	Canceled	Low	1
2A3	Continue to take steps toward achieving the Storm Ready Community Certification	City of Mound EM	N/A	July 2024	Delayed	5	1
Objective 2B: Maintain the city of Mound Operation of a Mass-notification System							
2B1	Continue to promote enrollment in the city of Mound mass-notification system.	City of Mound EM	N/A	Ongoing	In progress	1	1

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2B2	Continue to utilize newsletters, social media, and other outreach program methods to inform the public about life safety risks and pre-emptive actions related to weather emergencies	City of Mound EM	\$3,100.00 Annually	Ongoing	In progress	2	1
2B3	Expand the use of the existing city mass notification system to include all-hazards and Weather Ready information.	City of Mound EM	N/A	Ongoing	In progress	3	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Assure continued compliance with the city’s policy on preservation of indigenous burial mounds							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Continue to require all projects occurring on known indigenous sites to have approval from the state archeologist prior to work beginning.	City of Mound	N/A	Ongoing	In progress	1	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Assess community for potential hazards and identification of greatest risk							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Promote community wide (citizen) participation in threat and hazard identification and the risk assessment process.	City of Mound EM	N/A	Ongoing	Delayed	4	1
4A2	Promote the use of the Calculated Priority Risk Index formula to prioritize identified threats and hazards within the community.	City of Mound EM	N/A	July 2024	In progress	1	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Promote the use of the WebEOC as a communication tool within Hennepin County, for relay of information to local, state, and federal agencies							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Conduct WebEOC training sessions for key EM, Fire, and PW staff.	City of Mound	N/A	Ongoing	In progress	2	1
5A2	Continue to review and update our city-wide equipment capabilities in the WebEOC database, as required.	City of Mound	N/A	December 2024	In progress	3	1
Objective 5B: Ensure all first responders radio equipment is ARMER compatible.							
5B1	Continue to replace obsolete or non-supported handheld, mobile, and base radios for all first responders as required.	Mound FD & Orono PD	\$36,842.00 Annually	N/A	Complete		
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							

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Objective 6A: Provide for compliant development to ensure that new or remodeled commercial and residential structures are designed and built to the current state codes, i.e., building code, electrical code, and fire code.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Continue to adopt and enforce the applicable codes, i.e., Minnesota State Codes and International Property Maintenance Code.	Coty of Mound Mound FD	N/A	Ongoing	In progress	3	1
6A2	Enforce all zoning, floodplain, permitting, building, and fire code requirements to ensure compliance on development.	City of Mound Mound FD	N/A	Ongoing	In progress	1	1
6A3	Continue to utilize a building official in the issuance of various required permits and inspections.	City of Mound	\$275,000 Annually	Ongoing	In progress	2	1
6A4	Review and update city building, and zoning codes as required.	City of Mound	N/A	Ongoing	In progress	3	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Advocate for the jurisdictional infrastructure improvements that eliminates or reduces life safety threats caused by severe weather or other natural disaster type hazards.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Bury power lines whenever possible and as practical to reduce the potential for life safety hazards.	Xcel Energy	-	Ongoing	Delayed	7	1, 4, 5
7A2	Improve roads, road elevation levels, and retaining walls to assure roadway access for emergency response vehicles and city services, plus others that are providing basic core services	City of Mound	TBD Varies by year	Ongoing	In progress	4	1
Objective 7B: Develop and maintain a Sanitary Sewer Lift Station Renewal Plan							
7B1	Renew and properly size pump and force main components to ensure effectiveness based upon system demand.	City of Mound	TBD Varies by year	Ongoing	In progress	6	1, 4
7B2	Install or maintain permanent on- site back-up power supply systems to prevent back flow and back-up of black water during high flow and storm events.	City of Mound	TBD Varies by year	Ongoing	In progress	4	1, 4
Objective 7C: Develop and Implement a storm, surface water, and flood response plan							
7C1	Develop critical infrastructure protection plans, asset prioritizing, and a response procedure to ensure early detection and effective	City of Mound	TBD Varies by year	July 2024	In progress	5	1

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	response to storm, outage, and flood events to minimize inundation, risk, and property damage.						
Objective 7D: Continue to maintain a Debris Management Plan							
7D1	Develop City of Mound overlay plan to supplement the Lakes Area EOP and Resource Manuals.	City of Mound EM	N/A	Ongoing	In progress	2	1
Objective 7E: Preplan and Prepare for both man-made and natural disasters within the Community.							
7E1	Develop and maintain an incident Resource List of suppliers and contractors that can quickly respond to assist in time of need or crisis.	City of Mound EM	N/A	December 2024	Complete		
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A: Increase awareness of assistance programs offered by county and local non-profit organizations							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Focus on low-income housing complexes, and assisted living facilities to identify those in need, to provide information and connect people with available resources such as churches, food shelf and thrift shops	City of Mound EM	N/A	Ongoing	In progress	3	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A: Ensure continued compliance and participation in the National Flood Insurance Program							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Community to adopt and enforce a floodplain management ordinance to reduce future flood risks.	City of Mound	N/A	Ongoing	In progress	1	1
9A2	Continue to participate in the National Flood Insurance Program.	City of Mound	N/A	Ongoing	In progress	2	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A: Partner with local communications providers to ensure continuity of operations during a natural disaster							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Reach out to our local communication providers to formulate a plan to maintain our continuity of operations during severe weather events and other natural disasters.	City of Mound EM	N/A	December 2024	In progress	3	1

Mound 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Develop and Implement a basic “Hazard Assessment – Risk Reduction Plan” to circumvent loss of life, injuries, or disasters	
Project Title/Action	1A1: Require Proper utility locates are completed per city ordinance and state laws
Project Status	Complete
Project Title/Action	1A2: Designate and/or create storm shelters within the community, and communicate to public
Project Status	Delayed
Responsible Agency	City of Mound Emergency Management
OBJECTIVE: 1B: Maintain or replace warning sirens on a regular basis or as necessary to insure siren functionality and effectiveness	
Project Title/Action	1B1: Replace two (2) outdoor warning sirens that were installed in 1987: due to age, system failures, and normal life expectancy
Project Status	Complete
Project Title/Action	1B2: Ensure all outdoor warning sirens have a back-up power source (i.e.: battery or solar power back-up system)
Project Status	Complete
Project Title/Action	1B3: Continue to monitor outdoor warning siren test results to identify and required maintenance needs
Project Status	Complete
Responsible Agency	City of Mound Emergency Management
OBJECTIVE: 1C: Ensure that all the essential city first responders have the current version of the Emergency Response Guidebooks (ERG)	
Project Title/Action	1C1: Distribute ERG guidebooks when the updated version is received from Hennepin County and ensure responders are well trained on use of ERG
Project Status	Complete
Responsible Agency	Mound Fire Department
OBJECTIVE: 2A: Maintain the city of Mound Weather Ready Nation Ambassador program and increase public knowledge and awareness regarding Severe Weather Risks	
Project Title/Action	2A1: Continue to promote Weather Ready ideals of awareness, outreach, and preparation
Project Status	Delayed
Project Title/Action	2A2: Continue to promote the use of NOAA Weather Radios in all government-owned facilities, childcare centers, and in facilities with vulnerable populations
Project Status	Canceled
Project Title/Action	2A3: Continue to take steps toward achieving Storm Ready Community Certification
Project Status	Delayed
Responsible Agency	City of Mound Emergency Management

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OBJECTIVE: 2B: Maintain the city of Mound operation of a mass-notification system	
Project Title/Action	2B1: Continue to promote enrollment in the city of Mound mass-notification system
Project Status	Ongoing
Project Title/Action	2B2: Continue to utilize newsletters, social media, and other outreach program methods to inform the public about life safety risks and pre-emptive actions related to weather emergencies
Project Status	Ongoing
Project Title/Action	2B3: Expand the use of the existing city mass notification system to include all-hazards and Weather Ready information
Project Status	Ongoing
Responsible Agency	City of Mound Emergency Management
OBJECTIVE: 3A: Assure continued compliance with the city’s policy on preservation of indigenous burial mounds.	
Project Title/Action	3A1: Continue to require all projects occurring on known indigenous sites to have approval from the state archeologist prior to work beginning.
Project Status	Ongoing
Responsible Agency	City of Mound Community Development Department
OBJECTIVE: 4A: Assess community for potential hazards and identification of greatest risk	
Project Title/Action	4A1: Promote community wide (citizen) participation in threat and hazard identification and risk assessment process
Project Status	Delayed
Project Title/Action	4A2: Promote the use of the Calculated Priority Risk Index formula to prioritize identified threats and hazards
Project Status	Anticipated completion date: July 2024
Responsible Agency	City of Mound Emergency Management
OBJECTIVE: 5A: Promote the use of the WebEOC for communication tool within Hennepin County, for relay of information to local, state, and federal agencies	
Project Title/Action	5A1: Conduct WebEOC training sessions for key staff
Project Status	Ongoing
Project Title/Action	5A2: Continue to review and update our equipment capabilities in the WebEOC database, as required
Project Status	Ongoing
Responsible Agency	City of Mound Emergency Management
OBJECTIVE: 5B: Ensure all first responders radio equipment is ARMER compatible	
Project Title/Action	5B1: Continue to replace obsolete or non-supported handheld and console radios for all first responders as required
Project Status	Complete
Responsible Agency	Mound Fire Department

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OBJECTIVE: 6A: Provide for compliant development to ensure that new or remodeled commercial and residential structures are designed and built to the current state codes, i.e., building code, electrical code, and fire code	
Project Title/Action	6A1: Continue to adopt and enforce the applicable codes, i.e., Minnesota State Codes and International Property Maintenance Code
Project Status	Ongoing
Project Title/Action	6A2: Enforce zoning, floodplain, permitting, building, and fire code compliance on development
Project Status	Ongoing
Project Title/Action	6A3: Continue to utilize building official in the issuance of required permits and inspections
Project Status	Ongoing
Project Title/Action	6A4: Review and update city building, and zoning codes as required
Project Status	Ongoing
Responsible Agency	City of Mound Community Development Department
OBJECTIVE: 7A: Advocate for the jurisdictional infrastructure improvements that eliminate or reduces life safety threats caused by severe weather or other natural disaster type hazards	
Project Title/Action	7A1: Bury power lines whenever possible and as practical to reduce the potential for life safety hazards
Project Status	Delayed
Project Title/Action	7A2: Improve roads, road elevation levels, and retaining walls to assure roadway access for emergency response vehicles and others that are providing basic core services
Project Status	Ongoing
Responsible Agency	City of Mound Public Works Department
OBJECTIVE: 7B: Develop and maintain a Sanitary Sewer Lift Station Renewal Plan	
Project Title/Action	7B1: Renew and properly size pump and force main components to ensure better coordination of system demand
Project Status	Ongoing
Project Title/Action	7B2: Install or maintain permanent on-site back-up power system to prevent back flow and back-up of black water during high flow and storm events
Project Status	Ongoing
Responsible Agency	City of Mound Public Works Department
OBJECTIVE: 7C: Develop and Implement a storm, surface water, and flood response plan	
Project Title/Action	7C1: Develop critical infrastructure protection plans, asset prioritizing, and a response procedure to ensure early detection and effective response to storm, outage, and flood events to minimize inundation, risk, and property damage
Project Status	Anticipated completion date: July 2024
Responsible Agency	City of Mound Emergency Management
OBJECTIVE: 7D: Continue to maintain a Debris Management Plan	
Project Title/Action	7D1: Develop City of Mound overlay plan to supplement the Lakes Area EOP and Resource Manuals
Project Status	Ongoing
Responsible Agency	City of Mound Emergency Management

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OBJECTIVE: 7E: Preplan and Prepare for both man-made and natural disasters within the Community	
Project Title/Action	7E1: Develop and Maintain a prearranged incident Resource List of suppliers and contractors that can quickly respond to assist in time of need or crisis
Project Status	Complete
Responsible Agency	City of Mound Emergency Management
OBJECTIVE: 8A: Increase awareness of assistance programs offered by county and local non-profit organizations	
Project Title/Action	8A1: Focus on low-income housing complexes, and assisted living facilities to identify those in need, to provide information and connect people with available resources such as churches, food shelf and thrift shops
Project Status	Ongoing
Responsible Agency	City of Mound Emergency Management
OBJECTIVE: 9A: Ensure continued compliance and participation in the National Flood Insurance Program	
Project Title/Action	9A1: Community to adopt and enforce a floodplain management ordinance to reduce future flood risks
Project Status	Ongoing
Project Title/Action	9A2: Continue to participate in the National Flood Insurance Program
Project Status	Ongoing
Responsible Agency	City of Mound Community Development Department
OBJECTIVE: 10A: Partner with local communications providers to ensure continuity of operations during a natural disaster	
Project Title/Action	10A: Reach out to our local communication providers to formulate a plan to maintain our continuity of operations during severe weather events and other natural disasters.
Project Status	Anticipated completion date: December 2024
Responsible Agency	City of Mound Emergency Management

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3.3.31. MINNEAPOLIS / ST. PAUL INTERNATIONAL AIRPORT

Hennepin County- MSP International Airport

MSP is not part of any city but is nestled among several. The airport is surrounded by Minneapolis, St. Paul and the suburban cities of Bloomington, Eagan, Mendota Heights and Richfield. MSP has one airfield with four runways and two terminal buildings - Terminal 1 (104 gates) and Terminal 2 (14 gates) - each with adjoining parking ramp facilities. Travelers who need to transfer from one terminal to the other use the light rail transit service. There is no pedestrian access between the buildings. The airport is managed and run by the Metropolitan Airports Commission (MAC); a public corporation established in 1943 by the Minnesota State legislature to provide for coordinated aviation services throughout the Twin Cities metropolitan area. MSP is the 19th busiest U.S. airport for passengers (2022- 31 million) and 21st for aircraft operations (2022- 310K)

The METRO light rail Blue Line has stops at both the Hub Building Terminal 1 (Lindbergh Station) and Terminal 2 Humphrey Terminal (Humphrey Station). It connects the airport with downtown Minneapolis as well as with the Mall of America in nearby Bloomington and operates as a shuttle service between the two airport terminals.



- Capability

 - Two Trams
 - Emergency Manager
 - Police
 - Fire

- Vulnerability

 - Monticello NPP: 40 Miles

Hazard Mitigation Project Goal Priority Ranking Aid

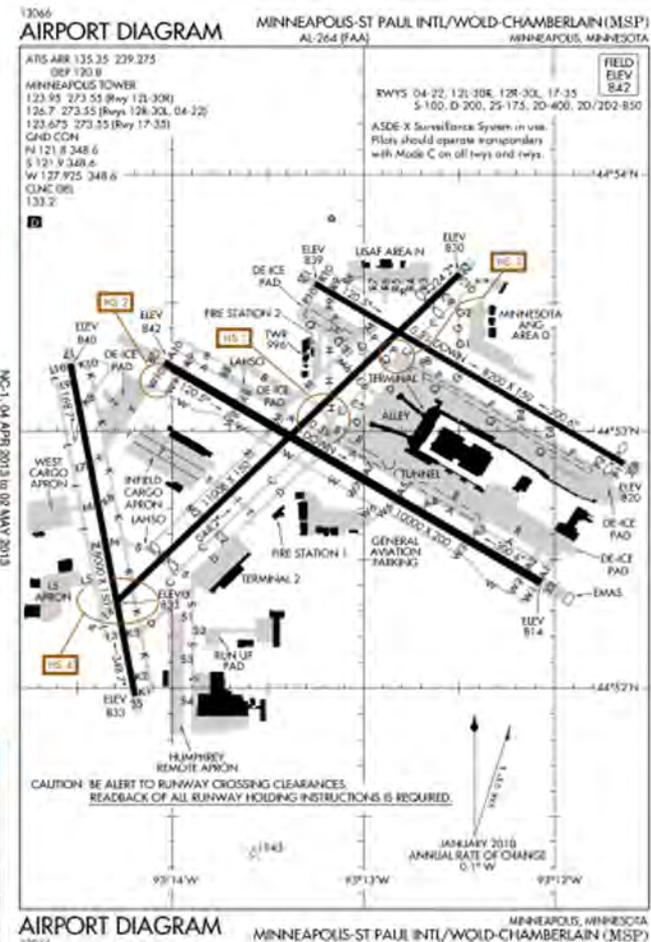
0 Mitigation Priority 1
None

0 Mitigation Priority 2
None

0 Mitigation Priority 3
None

Statistics (2014)	
Passengers	35,152,460
Traffic Movements	412,695
Based Aircraft	187

Runways			
Direction	Length		Surface
	ft.	m	
4/22	11,006	3,355	Concrete
12R/30L	10,000	3,048	Concrete
12L/30R	8,200	2,499	Concrete
17/35	8,000	2,438	Concrete



Airport Website: <https://www.mspairport.com/>

Social Media:
<https://www.facebook.com/mspairport>
[@mspairport](https://twitter.com/mspairport) / X (twitter.com)

2024 MSP Airport Mitigation Goals, Objectives, and Actions Update

MSP Airport does not independently qualify for mitigation funding and coordinates with the jurisdictions it falls within to pursue mitigation projects as a sub applicant.

MSP Airport 2018 – 2024 Mitigation Strategies Progress Report

MSP Airport does not independently qualify for mitigation funding and coordinates with the jurisdictions it falls within to pursue mitigation projects as a sub applicant.

3.3.32. CITY OF NEW HOPE

Hennepin County - New Hope

New Hope was originally a farming community in Crystal Lake Township. In 1936 the city of Crystal, Minnesota was incorporated, taking up all of former Crystal Lake Township. The farmers in the western part of the city broke off and formed New Hope Township. In 1953 with suburbia moving in and farmers moving out, New Hope was re-incorporated as a borough.

Population density: 4,193 people per square mile (average)

Tornado activity: New Hope-area historical tornado activity is slightly above Minnesota state average. It is 28% greater than the overall U.S. average.

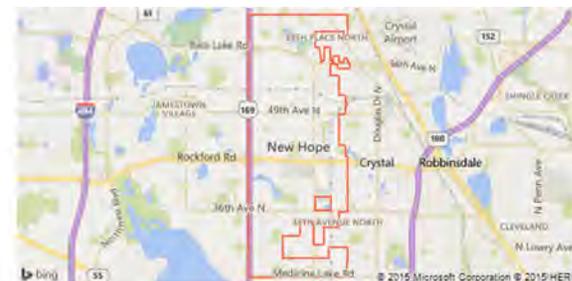
Earthquake activity: New Hope-area historical earthquake activity is significantly above Minnesota state average. It is 54% smaller than the overall U.S. average.

City Website: <https://www.newhopemn.gov/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	21,620
H.S. Diploma or More - % of Adults 25+ (2022)	93.0%
Bachelor's Deg. or More - % of Adults 25+ (2022)	34.8%
Households (2022)	9,120
Total Housing Units (2022)	9,385
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%



Latitude/Longitude: 45.0365255, -93.384971

Area: 5.12 sq. miles

Area - Land only: 5.06 sq. miles (99%)

Area - Water only: 0.06 sq. miles (1%)

Hazard Mitigation Project Goal Priority Ranking Aid

2
Mitigation Priority 1 (2F1)
 • Develop and implement a multi-hazard public awareness program

9
Mitigation Priority 2 (9A1)
 • Leverage existing and future infrastructure plans to identify opportunities for mitigation efforts

4
Mitigation Priority 3 (4C1)
 • Increase the capacity of storm drainage system.

Vulnerability

- Monticello NPP: 27 Miles
- Functional Needs: 1899
- Nursing Homes: 3
- Bridges: 2

Capability

- Law Enforcement
- Fire Department: West Metro Fire
- Public Works
- Helical Anchors, Inc- Soil Stabilization
- FCC Registered Amateur Radio Licenses: 71

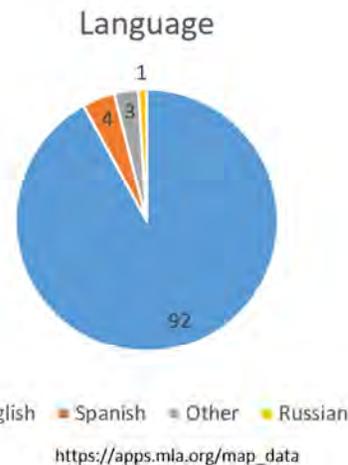
Corporate/Employer

- City Center
- Winnetka Commons
- Midland Center

School District

- 281 Robbinsdale

Social Media: City of New Hope Facebook page:
<https://www.facebook.com/newhopeminnesota/>



<https://www.city-data.com/city/New-Hope-Minnesota.html>

2024 New Hope Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Increase Hail Risk Awareness							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Mail brochures with water bills.	City Admin	\$590	Annually	Canceled	Low	1
1A2	Post warnings at parks and public buildings.	Parks Dept.	\$193	Ongoing	Canceled	Low	1
1A3	Social Media	IT Dept.	\$240/year	Annually	Ongoing	Low	1
Objective 1B: Lightning: Protect Critical Facilities and Equipment from Lightning.							
1B1	Install lightning protection devices.	Public Works	20K	Ongoing	Ongoing	Low	1, 4, 5
1B2	Install surge protection	EM	Undetermined	6 Months	Ongoing	Low	1
Objective 1C: Protect Power Lines and Infrastructure from Severe Winds.							
1C1	Establish standards for all utilities regarding tree pruning around lines.	Utilities Dept.	0	Annually	Ongoing	Low	1
1C2	Continue to trim Boulevard trees	Utilities Dept.	3K	Annually	Ongoing	Low	1
Objective 1D: Protect Public Buildings and Infrastructure from Extreme Winter Weather.							
1D1	Add insulation to walls and attics	Public Works	40K	Ongoing	Ongoing	Low	1
1D2	Retrofit buildings to withstand snow loads and prevent roof collapse	City Engineering	EST	Ongoing	Ongoing	Low	1
Objective 1E: Extreme Winter Weather: Assist Vulnerable Populations.							
1E1	Identify specific at-risk populations	PD/FD	0	Ongoing	Ongoing	Low	1
1E2	Organize outreach programs.	PD/FD	0	Ongoing	Ongoing	Low	1
Objective 1F: Protect Power Lines from Extreme Winter Weather.							
1F1	Bury existing power lines when possible.	Utilities Dept.	Unknown	Ongoing	Ongoing	Low	1, 4
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Extreme Cold: Educate property owners about freezing pipes.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Educate homeowners and builders on how to protect their pipes, including locating water pipes on the inside of the building insulation or keeping them out of attics, crawl spaces and outside walls.	Community Development	\$500	Annually	Ongoing	Low	1

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2A2	Educate homeowners that letting a faucet drip during extreme cold weather can prevent the buildup of excessive pressure in the pipe and avoid bursting.	Community Development	0	Annually	Ongoing	Low	1
Objective 2B: Conduct Lightning Awareness Programs							
2B1	Post warning signs at parks and public buildings.	Parks and Rec	2K	Ongoing	Canceled	Low	1
Objective 2C: Increase Severe Wind Risk Awareness							
2C1	Inform residents of shelter locations.	Parks and Rec	\$200	Ongoing	Canceled	Low	1
2C2	Ensure school district is aware of the best area of refuge in their buildings.	PD/FD	0	Annual	Delayed	Low	1
Objective 2D: Conduct Winter Weather Risk Awareness Activities							
2D1	Inform the public about severe winter weather impacts.	Utilities	\$200	Ongoing	Ongoing	Low	1
Objective 2E: Conduct Tornado Awareness Activities							
2E1	Educate citizens through media outlets.	Billing	0	Ongoing	Ongoing	Low	1
2E2	Conduct tornado drills at schools and public buildings.	Parks and Rec	0	Ongoing	Ongoing	Low	1
Objective 2F: Increase Hazard Education and Risk Awareness.							
2F1	Develop and implement a multi-hazard public awareness program.	West Metro Fire/HSEM	1K	6 Months	Delayed	1	1
Objective 2G: Perform Home Safety Inspections							
2G1	Maintain an in-home inspection program promoting fire safety.	FD	8K	Ongoing	Ongoing	Low	1
2G2	Install smoke detectors and CO detectors in homes.	FD	\$500	Ongoing	Ongoing	Low	1
Objective 2H: Create a severe weather awareness campaign for citizens that covers sirens information, NOAA Weather Radios, How the National Weather Service issues warnings and the hazards that affect Hennepin County.							
2H1	Distribute info via variety media sources	IT	0	Ongoing	Ongoing	Low	1
Objective 2I: Educate the community on recreational fires and prohibit open burning.							
2I1	Make recreational fire regulations readily available to community.	FD	0	Ongoing	Ongoing	Low	1
2I2	Use local media to increase awareness.	FD	0	Ongoing	Ongoing	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Objective 3A: Continue to use Surface Water Management Plan approved by both the Bassett Creek and Shingle Creek Water Management Commissions.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Submit development plans for review	Community Development	0	6 Months	Ongoing	Low	1
Objective 3B: Monitor Water Supply							
3B1	Regularly check for leaks to minimize water supply losses.	Public Works	10K	Ongoing	Ongoing	Low	1
3B2	Improve water supply monitoring.	Utilities Dept.	3K	Ongoing	Ongoing	Low	1
3B3	Replace/ Upgrade water pipes in conjunction with street projects	City Management	City Planning	Ongoing	Ongoing	Low	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Improve Storm Water Management Planning							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Complete storm water drainage study for known problem areas.	Public Works	20K	6 Months	Complete		
4A2	Prepare and adopt a storm water drainage plan and ordinance.	Commercial Dev	0	6 Months	Complete		
4A3	Replace/ Upgrade sewer and storm system in conjunction with street projects	Public Works	Varies	6 Months	Complete		
Objective 4B: Join or Improve Compliance with National Flood Insurance Program (NFIP)							
4B1	Participating in NFIP	Community Development	0	6 Months	Delayed	Low	1
4B2	Adopt ordinances that meet minimum Federal and State requirements to comply with NFIP.	Community Development	0	6 Months	Delayed	Low	1
Objective 4C: Improve Storm Water Drainage System Capacity							
4C1	Increase the capacity of storm drainage system.	Utilities	Varies	Ongoing	Ongoing	3	1
4C2	Install rain gardens to slow runoff and improve water quality	Engineering	Varies	Ongoing	Ongoing	Low	1, 5
4C3	Continue with the established sewer maintenance program of jetting pipes.	Public Works	10K	Ongoing	Ongoing	Low	1
Objective 4D: Reduce Extreme Winter Weather impact to Roadways							

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4D1	Plan for and maintain adequate road and debris clearing capabilities.	Public Works	0	6 Months	Delayed	Low	1
Objective 4E: Assess Overall Community Risk, Identify Target Hazards in Community							
4E1	Obtain local data, list all properties that have the potential greatest impact on community safety. Include public buildings, private business, places of gathering, and other locations, maintain the database	FD	0	Delayed	Delayed	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Update local emergency plans as needed and work with neighboring cities on their plan							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Meet with neighboring cities about emergency plans (each department)	City Managers	0	6 Months	Complete		
5A2	Establish Joint EOC	West metro, Both Cities	100K	6 Months	Complete		
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Incorporate Flood Mitigation in Local Planning							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Mitigating hazards during infrastructure planning.	Commercial Dev	0	Ongoing	Ongoing	Low	1
6A2	Obtaining easements for planned and regulated public use of privately-owned land for temporary water retention and drainage	Commercial Dev	0	5 Years	In progress	Low	1
Objective 6B: Adopt and Enforce Building Codes to protect against extreme winter weather							
6B1	Adopt International Building Code and International Residential Code.	Inspections	0	Ongoing	Complete		
Objective 6C: Map and Assess Vulnerability to Subsidence							
6C1	Use GIS to map areas that are susceptible to subsidence.	LOGIS/County	\$500	4 Months	Delayed	Low	1
Objective 6D: Ensure building compliance inspections are conducted on new construction projects.							
6D1	Review sites On Scheduled basis	Inspections	Staff Hours	Ongoing	Ongoing	Low	1

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6D2	Update and enforce zoning ordinances	Inspections	Staff Hours	Annual	Ongoing	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Create evacuation plan for a railroad emergency							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Determine a 1/2mile path on either side of the rail line.	County-GIS	1K	1 Month	Complete		
7A2	Educate the community on the evacuation plan.	Billing	1K	Months	Complete		
Objective 7B: Identify businesses in the community that have hazardous processes and/or materials.							
7B1	Pre plan businesses with inspections.	FD	0	Ongoing	Ongoing	Low	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Identify underserved communities, vulnerable populations, and those with access and functional needs	HCEM/City	Staff time	Ongoing	Ongoing	Low	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Leverage existing and future infrastructure plans to identify opportunities for mitigation efforts	Public Works	Undetermined	Ongoing	Ongoing	2	1
9A2	Leverage grant opportunities to expand mitigation components on existing programmed projects	Public Works	Undetermined	Ongoing	Ongoing	Low	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Continue routine maintenance of critical infrastructure	Public Works	Undetermined	Continuou s	Ongoing	Low	1

New Hope 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Increase Hail Risk Awareness	
Project Title/Action	1A1: Mail brochures with water bills
Project Status	Canceled
Responsible Agency	City Admin
Project Title/Action	1A2: Post warnings at parks and public buildings
Project Status	Canceled
Responsible Agency	Parks Dept
Project Title/Action	1A3: social media
Project Status	Ongoing
Responsible Agency	IT Dept
OBJECTIVE: 1B Lightning: Protect Critical Facilities and Equipment from Lightning	
Project Title/Action	1B1: Install lightning protection devices
Project Status	Delayed
Responsible Agency	Public Works
Project Title/Action	1B2: Install surge protection
Project Status	Ongoing
Responsible Agency	Public Works
OBJECTIVE: 1C: Protect Power Lines and Infrastructure from Severe Winds	
Project Title/Action	1C1: establish standards for all utilities regarding tree pruning around lines
Project Status	Ongoing
Responsible Agency	Utilities Dept
Project Title/Action	1C2: Continue to trim Boulevard trees
Project Status	Ongoing
Responsible Agency	Utilities Dept
OBJECTIVE: 1D: Protect Public Buildings and Infrastructure from Extreme Winter Weather	
Project Title/Action	1D1: Add insulation to walls and attics
Project Status	Ongoing
Responsible Agency	Public Works
Project Title/Action	1D2: Retrofit buildings to withstand snow loads and prevent roof collapse
Project Status	Ongoing
Responsible Agency	City Eng.
OBJECTIVE: 1E: Extreme Winter Weather Assist Vulnerable Populations	
Project Title/Action	1E1: Identify specific at-risk populations
Project Status	Ongoing
Responsible Agency	PD/FD
Project Title/Action	1E2: Organize outreach programs
Project Status	Ongoing
Responsible Agency	PD/FD
OBJECTIVE: 1F: Protect Power Lines from Extreme Winter Weather	
Project Title/Action	1F1: Bury existing power lines when possible
Project Status	Ongoing
Responsible Agency	Utilities Dept

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OBJECTIVE: 2A: Extreme Cold: Educate property owners about freezing pipes	
Project Title/Action	2A1: Educate homeowners and builders on how to protect their pipes, including locating water pipes on the inside of the building insulation or keeping them out of attics, crawl spaces and outside walls
Project Status	Ongoing
Responsible Agency	Community Development
Project Title/Action	2A2: Educate homeowners that letting a faucet drip during extreme cold weather can prevent the buildup of excessive pressure in the pipe and avoid bursting
Project Status	Ongoing
Responsible Agency	Community Development
OBJECTIVE: 2B: Conduct Lightning Awareness Programs	
Project Title/Action	2B1: Post warning signs at parks and public buildings
Project Status	Ongoing
Responsible Agency	Park and Rec
OBJECTIVE: 2C: Increase Severe Wind Risk Awareness	
Project Title/Action	2C1: Inform residents of shelter locations
Project Status	Canceled
Responsible Agency	Parks and Recreation
Project Title/Action	2C2: Ensure school district is aware of the best area of refuge in their building
Project Status	Delayed
Responsible Agency	PD/FD
OBJECTIVE: 2D: Conduct Winter Weather Risk Awareness Actives	
Project Title/Action	2D1: Inform the public about severe winter weather impacts
Project Status	Ongoing
Responsible Agency	Utilities
OBJECTIVE: 2E: Conduct Tornado Awareness Activities	
Project Title/Action	2E1: Educate citizens through media outlets
Project Status	Ongoing
Responsible Agency	Billing
Project Title/Action	2E2: Conduct tornado drills at schools and public buildings
Project Status	Ongoing
Responsible Agency	Parks and Rec
OBJECTIVE: 2F: Increase Hazard Education and Risk Awareness	
Project Title/Action	2F1: Develop and implement a multi-hazard public awareness program
Project Status	Delayed
Responsible Agency	West Metro Fire/HSEM
OBJECTIVE: 2G: Perform Home Safety Inspections	
Project Title/Action	2G1: Maintain an in-home inspection program promoting fire safety
Project Status	Ongoing
Responsible Agency	FD
Project Title/Action	2G2: Install smoke detectors and CO detectors in homes
Project Status	Ongoing
Responsible Agency	FD

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OBJECTIVE: 2H: Create a severe weather awareness campaign for citizens that covers sirens information, NOAA Weather Radios, How the National Weather Service issues warnings and the hazards that affect Hennepin County	
Project Title/Action	2H1: Distribute info via variety media sources
Project Status	Ongoing
Responsible Agency	IT
OBJECTIVE: 2I: Educate the community on recreational fires and prohibit open burning	
Project Title/Action	2I1: Make recreational fire regulations readily available to community
Project Status	Ongoing
Responsible Agency	FD
Project Title/Action	2I2: Use local media to increase awareness
Project Status	Ongoing
Responsible Agency	FD
OBJECTIVE: 3A: Continue to use Surface Water Management Plan approved by both the Bassett Creek and Shingle Creek Water Management Commissions	
Project Title/Action	3A1: Submit development plans for review
Project Status	Ongoing
Responsible Agency	Community Development
OBJECTIVE: 3B: Monitor Water Supply	
Project Title/Action	3B1: Regularly check for leaks to minimize water supply losses
Project Status	Ongoing
Responsible Agency	Public Works
Project Title/Action	3B2: Improve water supply monitoring
Project Status	Ongoing
Responsible Agency	Utilities Dept
Project Title/Action	3B3: Replace/Upgrade water pipes in conjunction with street projects
Project Status	Ongoing
Responsible Agency	City Management
OBJECTIVE: 4A: Improve Storm Water Management Planning	
Project Title/Action	4A1: Complete storm water drainage study for known problem areas
Project Status	Complete
Responsible Agency	Public Works
Project Title/Action	4A2: Prepare and adopt a storm water drainage plan and ordinance
Project Status	Complete
Responsible Agency	Commercial Dev
Project Title/Action	4A3: Replace/Upgrade sewer and storm system in conjunction with street projects
Project Status	Complete
Responsible Agency	Public Works

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OBJECTIVE: 4B: Join or Improve Compliance with National Flood Insurance Program (NFIP)	
Project Title/Action	4B1: participating in NFIP
Project Status	Ongoing
Responsible Agency	Community Development
Project Title/Action	4B2: Adopt ordinances that meet minimum Federal and State requirements to comply with NFIP
Project Status	Ongoing
Responsible Agency	Community Development
OBJECTIVE: 4C: Improve Storm Water Drainage System Capacity	
Project Title/Action	4C1: Increase the capacity of storm drainage system
Project Status	Ongoing
Responsible Agency	Utilities
Project Title/Action	4C2: Install rain gardens to slow runoff and improve water quality
Project Status	Ongoing
Responsible Agency	Engineering
Project Title/Action	4C3: Continue with the established sewer maintenance program of jetting pipes
Project Status	Ongoing
Responsible Agency	Public Works
OBJECTIVE: 4D: Reduce Extreme Winter Weather impact to Roadways	
Project Title/Action	4D1: Plan for and maintain adequate road and debris clearing capabilities
Project Status	Ongoing
Responsible Agency	Public Works
OBJECTIVE: 4E: Assess Overall Community Risk, Identify Target Hazards in Community	
Project Title/Action	4E1: Obtain local data, list all properties that have the potential greatest impact on community safety. Include public buildings, private business, places of gathering, and other locations, maintain the database
Project Status	Ongoing
Responsible Agency	FD
OBJECTIVE: 5A: Update local emergency plans as needed and work with neighboring cities on their plan	
Project Title/Action	5A1: Meet with neighboring cities about emergency plans (each department)
Project Status	Complete
Responsible Agency	City Managers
Project Title/Action	5A2: Establish Joint EOC
Project Status	Complete
Responsible Agency	West Metro, Both Cities
OBJECTIVE: 6A: Incorporate Flood Mitigation in Local Planning	
Project Title/Action	6A1: Mitigating hazards during infrastructure planning
Project Status	Complete
Responsible Agency	Commercial Dev
Project Title/Action	6A2: Obtaining easements for planned and regulated public use of privately-owned land for temporary water retention and drainage
Project Status	Ongoing
Responsible Agency	Commercial Dev

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OBJECTIVE: 6B: Adopt and Enforce Building Codes to protect against extreme winter weather	
Project Title/Action	6B1: Adopt International Building Code and International Residential Code
Project Status	Ongoing
Responsible Agency	Inspections
OBJECTIVE: 6C: Map and Assess Vulnerability to Subsidence	
Project Title/Action	6C1: Use GIS to map areas that are susceptible to subsidence
Project Status	Delayed
Responsible Agency	LOGIS/County
OBJECTIVE: 6D: Ensure building compliance inspections are conducted on new construction projects	
Project Title/Action	6D1: Review sites on scheduled basis
Project Status	Ongoing
Responsible Agency	Inspections
Project Title/Action	6D2: Update and enforce zoning ordinances
Project Status	Ongoing
Responsible Agency	Inspections
OBJECTIVE: 7A: Create evacuation plan for a railroad emergency	
Project Title/Action	7A1: Determine a ½ mile path on either side of the rail line
Project Status	Complete
Responsible Agency	County-GIS
Project Title/Action	7A2: Educate the community on the evacuation plan
Project Status	Complete
Responsible Agency	Billing
OBJECTIVE: 7B: Identify businesses in the community that have hazardous processes and/or materials	
Project Title/Action	7B1: Pre plan businesses with inspections
Project Status	Ongoing
Responsible Agency	FD

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3.3.33. CITY OF ORONO

Hennepin County - Orono

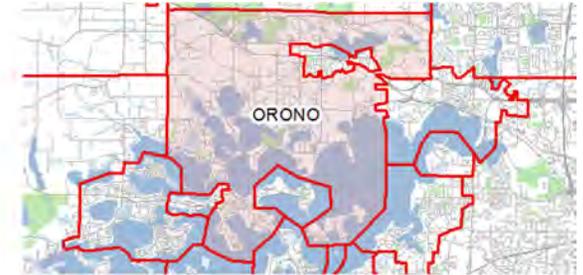
Orono Township was created in 1889 and incorporated in 1955. Located approximately 15 miles west of downtown Minneapolis on the north shore of Lake Minnetonka. Orono is one of the Twin City metro area most upscale and wealthiest communities and known for its sparse suburban character and abundant wildlife.

Population density: 511 people per square mile (low).

Tornado activity: Orono-area historical tornado activity is slightly above Minnesota state average. It is 28% greater than the overall U.S. average.

Earthquake activity: Orono-area historical earthquake activity is significantly above Minnesota state average. It is 53% smaller than the overall U.S. average.

City Website: <https://oronomn.gov/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	9,223
H.S. Diploma or More - % of Adults 25+ (2022)	99.5%
Bachelor's Deg. or More - % of Adults 25+ (2022)	69.3%
Households (2022)	3,048
Total Housing Units (2022)	3,406
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	8.6%

Latitude/Longitude: 44.9598775, -93.583897
 Area: 25.15 sq. miles
 Area - Land only: 15.99 sq. miles (64%)
 Area - Water only: 9.16 sq. miles (36%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 7** Mitigation P1 (7A1)
Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
- 5** Mitigation P2 (5A1)
Continue to meet the State and Federal regulations with the protection plan
- 3** Mitigation P3 (3A1)
Work with the local watersheds to continue to protect our lakes and streams for future water quality

Vulnerability

- Monticello NPP: 25 Miles
- Functional Needs: 16
- Bridges: 26

Capability

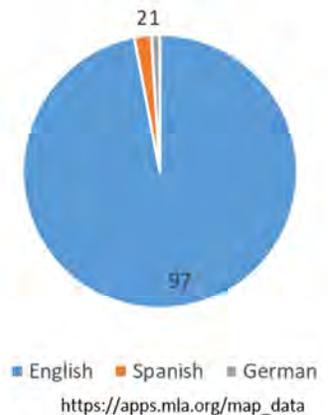
- Law Enforcement
- Police Chaplains Group
- Public Works
- FCC Registered Amateur Radio Licenses: 4

Corporate/Employer

School District

- 278 Orono

Language



<https://www.city-data.com/city/Orono-Minnesota.html>

2024 Orono Mitigation Goals/Objectives/Actions/Strategy/Priority Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Review and update policies that discourage growth in flood-prone areas	City of Orono	Staff Time	2024-2028	Ongoing	5	1
1A2	Continue to participate in the National Flood Insurance Program	City of Orono	Staff Time	2024-2028	Ongoing	4	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Increase awareness and knowledge of hazard mitigation principles and practices	City of Orono	Staff Time	2024-2028	Ongoing	6	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Establish Multi-Jurisdictional partnership to reduce runoff							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Work with the local watersheds to continue to protect our lakes and streams for future water quality	City of Orono	20K	2024-2028	Ongoing	3	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Wellhead Protection Plan							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Continue to meet the State and Federal regulations with the protection plan	City of Orono	Staff Time	2024-2028	Ongoing	2	1

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Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Build and support local capacity and commitment to become less vulnerable to hazards							
Objective 7A: Bury Power Lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas	City of Orono	100K	2024-2028	Ongoing	1	1, 4, 5
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Orono 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding	
Project Title/Action	1A1: Review and update policies that discourage growth in flood-prone areas
Project Status	Ongoing
Project Title/Action	1A2: Continue to participate in the National Flood Insurance Program
Project Status	Ongoing
Responsible Agency	City of Orono
OBJECTIVE: 2A: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community	
Project Title/Action	2A1: Increase awareness and knowledge of hazard mitigation principles and practices
Project Status	Ongoing
Responsible Agency	City of Orono
OBJECTIVE: 3A: Establish Multi-Jurisdictional partnership to reduce runoff	
Project Title/Action	3A1: Work with the local watersheds to continue to protect our lakes and streams for future water quality
Project Status	Ongoing
Responsible Agency	City of Orono Public Works
OBJECTIVE: 5A: Wellhead Protection Plan	
Project Title/Action	5A1: Continue to meet the State and Federal regulations with the protection plan
Project Status	Ongoing
Responsible Agency	City of Orono Public Works
OBJECTIVE: 7A: Bury Power Lines	
Project Title/Action	7A1: Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
Project Status	Ongoing
Responsible Agency	City of Orono Public Works

3.3.34. CITY OF OSSEO

Hennepin County - Osseo

The City of Osseo is located in the northeastern part of Hennepin County. Originally, Osseo was under the government of the townships of Brooklyn Park and Maple Grove. In the spring of 1875, by an act of the state legislature, Osseo became incorporated. It is said that Osseo is a Native American name, "Waseia" meaning 'there is light'. According to the 2000 census, Osseo has a population of 2,434 people and the city has a total area of 0.8 square miles of land. U.S. Route 169, County Road 81, and Central Avenue/Old Jefferson Highway are the three main arterial routes in the city. The Osseo Water Tower, built in 1915, was listed on the National Register of Historic Places in 2017

City Website: <https://www.discoverosseo.com/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	2,634
H.S. Diploma or More - % of Adults 25+ (2022)	97.3%
Bachelor's Deg. or More - % of Adults 25+ (2022)	22.8%
Households (2022)	1,184
Total Housing Units (2022)	1,285
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.9%



Latitude/Longitude: 45.1164835, -93.4013225

Area: 0.75 sq. miles

Area - Land only: 0.75 sq. miles (100%)

Area - Water only: 0.00 sq. miles (0%)

Hazard Mitigation Project Goal Priority Ranking Aid

2	<p>Mitigation Priority 1 (2A1)</p> <ul style="list-style-type: none"> • Work in purchasing material that can be sent to residents and using both Police and Fire
0	<p>Mitigation Priority 2</p> <p>None</p>
0	<p>Mitigation Priority 3</p> <p>None</p>

<p style="color: red; font-weight: bold;">Vulnerability</p> <ul style="list-style-type: none"> • Monticello NPP: 23 Miles • Functional needs: 266 	<p style="color: green; font-weight: bold;">Capability</p> <ul style="list-style-type: none"> • Law Enforcement • FCC Registered Amateur Radio Licenses: 8
<p style="color: blue; font-weight: bold;">Corporate/Employer</p>	<p style="color: orange; font-weight: bold;">School District</p> <ul style="list-style-type: none"> • 279 Osseo

Social Media: <https://www.facebook.com/DiscoverOsseo/>
<https://twitter.com/CityofOsseo>



2024 Osseo Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Continue to educate the public using several safety programs							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Work in purchasing material that can be sent to residents and using both Police and Fire	City of Osseo	500	Ongoing	Ongoing	1	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Generator at City Hall/Police Department							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

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Goal 7: Support local communities’ capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Osseo 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 2A: Continue to educate the public using several safety programs	
Project Title/Action	2A1: Work in purchasing material that can be sent to residents and using both Police and Fire
Project Status	Delayed
Responsible Agency	City of Osseo
OBJECTIVE: 6A: Generator at City Hall/Police Department	
Project Title/Action	6A1: Have generator installed at City Hall/Police Department to operate E.O.C
Project Status	Complete
Responsible Agency	City of Osseo

3.3.35. CITY OF PLYMOUTH

Hennepin County - Plymouth

Plymouth is the seventh largest city in Minnesota. Located 15 miles northwest of Minneapolis, the city is the third largest suburb of Minneapolis. Interstate 494, U.S. Route 169, and Minnesota State Highway 55 are the main transportation routes of the city. The city of Medicine Lake is within the borders of Plymouth and is seen on the map with the red kidney bean shape.

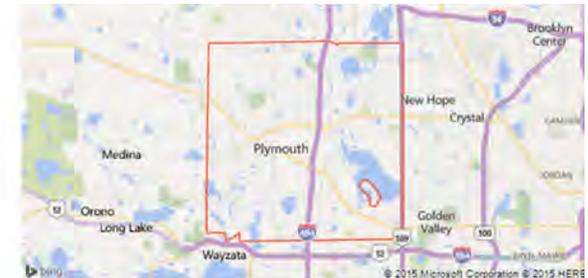
Population density: 2,425 people per square mile (low).

Tornado activity: Plymouth-area historical tornado activity is slightly above Minnesota state average. It is 28% greater than the overall U.S. average.

Earthquake activity: Plymouth-area historical earthquake activity is significantly above Minnesota state average. It is 54% smaller than the overall U.S. average.



<https://www.statsamerica.org/town/>



People & Housing	
Population Estimate (2022)	79,918
H.S. Diploma or More - % of Adults 25+ (2022)	98.0%
Bachelor's Deg. or More - % of Adults 25+ (2022)	64.6%
Households (2022)	32,727
Total Housing Units (2022)	33,890
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.9%

Latitude/Longitude: 45.022325, -93.461539
 Area: 35.28 sq. miles
 Area - Land only: 32.64 sq. miles (93%)
 Area - Water only: 2.64 sq. miles (7%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 1** Mitigation Priority 1 (1A1)
 - Update inundation map every 10 years (FEMW map panes)
- 1** Mitigation Priority 2 (1A2)
 - Review and compare existing flood control standards, zoning, and building requirements
- 1** Mitigation Priority 3 (1A3)
 - Review and update policies that discourage growth in flood prone areas

Vulnerability

- Bridges: 56
- Monticello NPP: 26 miles
- 12 HI Mobile Home Park: 300
- Functional Needs: 1007

Capability

- Law Enforcement
- Fire Department
- Parks and Recreation
- FCC Registered Amateur Radio Licenses: 258

Corporate/Employer

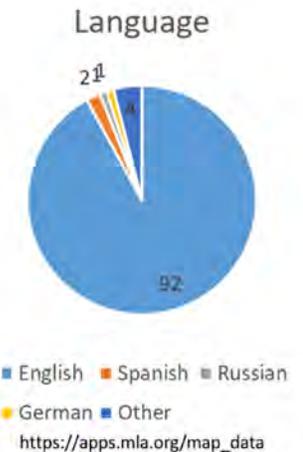
Prudential Financial	3,000
I.S.D. No. 284 (Wayzata)	2,025
Zayo Group	2,000
Medtronic	1,001
Aimia	1,000
TCF Bank	1,000

School District

- 284 Wayzata

Social Media: <https://www.facebook.com/plymouthmn>
https://twitter.com/PlymouthMN_gov
https://www.instagram.com/plymouthmn_gov/

<https://www.city-data.com/city/Plymouth-Minnesota.html>



2024 Plymouth Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Flooding/Dam Failure: develop a comprehensive approach to reducing the possibility of damage and losses due to flooding and dam failure.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Update inundation map every 10 years (FEMW map panes)	Engineering	Personnel Time	10 Years	Ongoing	1	1
1A2	Review and compare existing flood control standards, zoning, and building requirements	Engineering	Personnel Time	6 Months	Ongoing	2	1
1A3	Review and update policies that discourage growth in flood-prone areas	Engineering	Personnel Time	6 Months	Ongoing	3	1
1A4	Periodically exercise flood/dam failure response actions	Engineering	Personnel Time	8 Months	Ongoing	Low	1
1A5	Update flood prone area mitigation protocol	Engineering	Personnel Time	3 Months	Ongoing	Low	1
1A6	Implement capital improvement program projects intended to reduce/alienate flood potential	Engineering	Personnel Time	Ongoing	Ongoing	Low	1, 5
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Educate the public to increase awareness of hazards and opportunities for mitigation actions							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Publicize and encourage the adoption of appropriate hazard mitigation actions	Communications	Personnel Time	Ongoing	On Schedule	Low	1
2A2	Provide information to the public on the city website and through public education opportunities	Communications	Personnel Time	Ongoing	On Schedule	Low	1
Objective: 2B: Promote partnerships between the state, counties, local jurisdictions, and partner agencies to identify, prioritize and implement mitigation actions							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2B1	Participate as a member in local or regional hazard mitigation planning group	Emergency Management	Personnel Time	Ongoing	On Schedule	Low	1
2B2	Support or provide the public sector events, workshop, symposium, and continued education opportunities	Emergency Management	Personnel Time	Ongoing	Delayed	Low	1

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Objective 2C: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2C1	Increase awareness and knowledge of hazard mitigation principles and practices	Emergency Management	Personnel Time	Ongoing	On Schedule	Low	1
2C2	Encourage businesses to develop and implement hazard mitigation actions	Emergency Management	Personnel Time	Ongoing	On Schedule	Low	1
2C3	Support or provide the private sector events, workshop, symposium, and continued education opportunities	Emergency Management	Personnel Time	Ongoing	On Schedule	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Promote continued maintenance and management practices of water resources, green space							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Update and review City Park / Recreation and Community Development policies to ensure continued best practices	Engineering	Personnel Time	6 Months	On Schedule	Low	1
3A2	Maintain wetland and natural resource inventories	Water Resources	Personnel Time	Ongoing	On Schedule	Low	1
Objective: 3B: Promote maintenance and management of historic locations and buildings within the city							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3B1	Update and review any plans and budgetary resources to maintain and promote the identified historic locations of the city	Parks and Recreation	Personnel Time	Ongoing	On Schedule	Low	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: To assess specific geographical areas within the City that are predisposed to natural disasters and or man-made hazardous situations, both of which could be responsible for financial and/or personal impact or loss of life							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Annually review and update the City Risk / Threat Assessment document and distribute the new version to the City Manager all City Division Directors	Emergency Management	Personnel Time	3 Months	On Schedule	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Ensure effective partnerships with other public safety agencies							

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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Continue the promotion of partnerships with federal, state, and local entities to develop successful mitigation plans and operational strategies. Work towards a common comprehensive emergency operation plan that can be utilized on a larger regional platform.	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
5A2	Continue participation in multi-jurisdictional / multi-agency tabletop, drill, and full-scale exercises	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
5A3	Research and implement lessons learned from actual hazardous events from local, regional, and national jurisdictions to avoid probable mistakes from repeating themselves	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Reduce the risk factor of private business, family, and public structures in addition to at risk populations							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Use risk assessment modeling tools and resources / statistical information to determine the highest risk areas in order to avoid overpopulation or injection of at-risk groups like children or the elderly in pre-identified high risk hazardous locations	Parks and Recreation	Personnel Time	1 Year	On Schedule	Low	1
6A2	The Plymouth Community Development Department will continue to ensure that building permits and codes are current or exceed industry standards	Parks and Recreation	Personnel Time	Ongoing	Ongoing	Low	1
6A3	The Plymouth Park and Recreation Department will give concentrated consideration of not developing park areas near pre-identified high risk hazardous locations	Parks and Recreation	Personnel Time	Ongoing	Ongoing	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Develop community stakeholders in mitigation strategies by use of local resources							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Encourage and continue development of CERT Teams and Neighborhood Watch groups to assist in citizens to be self-reliant and responsible for their own safety measures lessening	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1

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	the burden on the local government so a more concentrated effort can be placed on the execution of COOP plans						
7A2	Continue to monitor and document the completion of mandatory NIMS training necessary for national compliance standards	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Plymouth 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Flooding/Dam Failure: develop a comprehensive approach to reducing the possibility of damage and losses due to flooding and dam failure	
Project Title/Action	1A1: Update inundation map every 10 years (FEMW map panes)
Project Status	On Schedule
Project Title/Action	1A2: Review and compare existing flood control standards, zoning, and building requirements
Project Status	On Schedule
Project Title/Action	1A3: Review and update policies that discourage growth in flood-prone areas
Project Status	On Schedule
Project Title/Action	1A4: Periodically exercise flood/dam failure response actions
Project Status	On Schedule
Project Title/Action	1A5: Update flood prone area mitigation protocol
Project Status	Complete
Project Title/Action	1A6: Implement capital improvement program projects intended to reduce/alienate flood potential
Project Status	Ongoing
Responsible Agency	Eng./Water Resource
OBJECTIVE: 1B: Wild land fire: Develop a comprehensive approach reducing the possibility of damage and losses due to wildfire	
Project Title/Action	1B1: Develop and publicize evacuation plans and routes in areas threatened by wild land fires, as resources are available
Project Status	Cancelled
Project Title/Action	1B2: Ensure defensible fire-fighting space is afforded adjacent to wild land and open space areas in new developments, as resources are available
Project Status	Cancelled
Responsible Agency	Fire
OBJECTIVE: 2A: Educate the public to increase awareness of hazards and opportunities for mitigation actions	
Project Title/Action	2A1: Publicize and encourage the adoption of appropriate hazard mitigation actions
Project Status	On Schedule
Project Title/Action	2A2: Provide information to the public on the city website and through public education opportunities
Project Status	On Schedule
Responsible Agency	Communications
OBJECTIVE: 2B: Promote partnerships between the state, counties, local jurisdictions, and partner agencies to identify, prioritize and implement mitigation actions	
Project Title/Action	2B1: Participate as a member in local or regional hazard mitigation planning group
Project Status	On Schedule
Summary of Project	Ongoing participation in Hennepin County- NSEMPG (North Suburban Emergency Management Planning Group)
Project Title/Action	2B2: Support or provide the public sector events, workshop, symposium, and continued education opportunities
Project Status	Delayed

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Responsible Agency	Emergency Management
OBJECTIVE: 2C: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community	
Project Title/Action	2C1: Increase awareness and knowledge of hazard mitigation principles and practices
Project Status	On Schedule
Project Title/Action	2C2: Encourage businesses to develop and implement hazard mitigation actions
Project Status	On Schedule
Project Title/Action	2C3: Support or provide the private sector events, workshop, symposium, and continued education opportunities
Project Status	On Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 3A: Promote continued maintenance and management practices of water resources, green space	
Project Title/Action	3A1: Update and review City Park / Recreation and Community Development policies to ensure continued best practices
Project Status	On Schedule
Project Title/Action	3A2: Maintain wetland and natural resource inventories
Project Status	On Schedule
Responsible Agency	Engineering and Water Resources
OBJECTIVE: 3B: Promote maintenance and management of historic locations and buildings within the city	
Project Title/Action	3B1: Update and review any plans and budgetary resources to maintain and promote the identified historic locations of the city
Project Status	On Schedule
Responsible Agency	Park and Recreation
OBJECTIVE: 4A: To assess specific geographical areas within the City that are predisposed to natural disasters and or man-made hazardous situations, both of which could be responsible for financial and/or personal impact or loss of life	
Project Title/Action	4A1: Annually review and update the City Risk / Threat Assessment document and distribute the new version to the City Manager all City Division Directors
Project Status	On Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 5A: Continue the promotion of partnerships with federal, state, and local entities to develop successful mitigation plans and operational strategies. Work towards a common comprehensive emergency operation plan that can be utilized on a larger regional platform.	
Project Title/Action	5A1: Continue affording the opportunity for Plymouth City Staff to attend or join emergency management associations like NSEMPG (North Suburban Emergency Management Planning Group), MEMA (Metropolitan Emergency Managers Association) and AMEM (Association of Minnesota Emergency Managers)
Project Status	Ongoing
Project Title/Action	5A2: Continue participation in multi-jurisdictional / multi-agency tabletop, drill, and full-scale exercises
Project Status	Ongoing

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Project Title/Action	5A3: Research and implement lessons learned from actual hazardous events from local, regional, and national jurisdictions to avoid probable mistakes from repeating themselves
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 6A: Reduce the risk factor of private business, family, and public structures in addition to at risk populations	
Project Title/Action	6A1: Use risk assessment modeling tools and resources / statistical information to determine the highest risk areas in order to avoid overpopulation or injection of at-risk groups like children or the elderly in pre-identified high risk hazardous locations
Project Status	On Schedule
Project Title/Action	6A2: The Plymouth Community Development Department will continue to ensure that building permits and codes are current or exceed industry standards
Project Status	Ongoing
Project Title/Action	6A3: The Plymouth Park and Recreation Department will give concentrated consideration of not developing park areas near pre-identified high risk hazardous locations
Project Status	Ongoing
Responsible Agency	Parks and Recreation
OBJECTIVE: 7A: Develop community stakeholders in mitigation strategies by use of local resources	
Project Title/Action	7A1: Encourage and continue development of CERT Teams and Neighborhood Watch groups to assist in citizens to be self-reliant and responsible for their own safety measures lessening the burden on the local government so a more concentrated effort can be placed on the execution of COOP plans
Project Status	Ongoing
Project Title/Action	7A2: Continue to monitor and document the completion of mandatory NIMS training necessary for national compliance standards
Project Status	Ongoing
Responsible Agency	Emergency Management

3.3.36. CITY OF RICHFIELD

Hennepin County - Richfield

Long before suburban homes were built here, Richfield was characterized by its abundance of rich farmland (hence the name) as the Minneapolis and St. Paul area was beginning to grow. In 1908, Richfield officially became a city by adopting a President/Trustee form of government. However, residents of Richfield held town meetings dating back to May 11, 1858—the date on which Congress admitted Minnesota into the Union. Richfield is an inner-ring suburb and is bordered by Minneapolis to the north, Minneapolis/St. Paul International Airport to the east, Bloomington to the south, and Edina to the west. Interstates 35W and 494 and Minnesota State Highways 62 and 77 are the four main arterial routes for the city.

Population density: 5,297 people per square mile (average).

Tornado activity: Richfield-area historical tornado activity is slightly above Minnesota state average. It is 32% greater than the overall U.S. average.

Earthquake activity: Richfield-area historical earthquake activity is significantly above Minnesota state average. It is 55% smaller than the overall U.S. average.

City Website: <https://www.richfieldmn.gov>



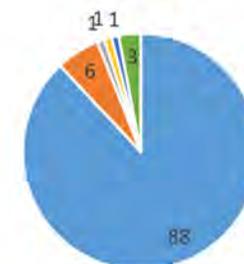
<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	36,609
H.S. Diploma or More - % of Adults 25+ (2022)	91.5%
Bachelor's Deg or More - % of Adults 25+ (2022)	44.2%
Households (2022)	15,900
Total Housing Units (2022)	16,331
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.7%



Latitude/Longitude: 44.8762525, -93.282074
 Area: 6.99 sq. miles
 Area - Land only: 6.85 sq. miles (98%)
 Area - Water only: 0.14 sq. miles (2%)

Language



English Spanish
 Vietnamese German
 Laotian Others

https://apps.mla.org/map_data

Hazard Mitigation Project Goal Priority Ranking Aid

1 Mitigation P1- (1B3)
 • Working with our diverse community through community outreach groups on educational material regarding vaccinations and illnesses.

2 Mitigation P2- (2A1)
 • Publicize and encourage the adoption of appropriate hazard mitigation actions.

2 Mitigation P3- (2B2)
 • Support or provide the public sector events, workshop, symposium, and continued education opportunities.

School District

- 280 Richfield

Vulnerability

- Bridges 39
- Functional Needs 347
- Airport to East
- Monticello NPP: 38 Miles

Corporate/ Employer

- Best Buy HQ 4500
- US Bank 2400
- Richfield public schools 682
- Target 394

Capability

- Fire Department
- Police Department
- Streets and Highways
- Parks and Recreation
- Public Safety
- Water Supply
- FCC Registered Amateur Radio Licenses: 123

Infrastructure:

- Streets 142 mi.
- Sidewalks 40 mi.
- Water System 122 mi.
- Sanitary Sewer 120 mi.

https://www.richfieldmn.gov/departments/public_safety/emergency_preparedness/index.php
<https://www.city-data.com/city/Richfield-Minnesota.html>

2024 Richfield Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Assess and upgrade the City/County warning system							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Creating a schedule to replace warning siren systems within next 7 years	Police	100K	Long	Complete		
1A2	Update our evacuation and sheltering plans for Municipal buildings in 1 year	EM / Fire / Police / Exec.	500	Long	Complete		
1A3	Update our Emergency Operations Center (EOC) concerning technology in 1 year. Tabletop exercise and activation of EOC within 1 year.	EM / All Depts.	1K	Short	Complete		
1A4	Perform exercises to test the various components of the EOC within 1 year	EM/All Depts.	1K	Short	Complete		
1A5	Develop more information to warn/mitigate disasters on our social media in 6 months	Police/Exe	200	Short	Complete		
1A6	Use of our EVERBRIDGE system to warn residents of hazardous weather or man-made hazards	Police	300	Long	Complete		
Objective 1B: Maintain Links to other sources of reliable information about infectious disease response, including quarantine							
1B1	Maintain Contracts with Bloomington Public Health for ongoing services	BPH / Police / City Gov.	200	Short	Ongoing	Low	1
1B2	Provide educational material along with the location of vaccination clinics to employees and the public.	EM / Police / BPH	1K	Medium	Ongoing	Low	1
1B3	Working with our diverse community through community outreach groups on educational material regarding vaccinations and illnesses.	EM / Police / Fire / JCCP	1.5K	Short	Ongoing	1	1
1B4	Review and Update Emergency Response Pandemic Plan Protocols.	All depts./BPH	1K	Short	Complete		
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Objective 2A: Educate the public to increase awareness of hazards and opportunities for mitigation actions.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Publicize and encourage the adoption of appropriate hazard mitigation actions.	EM / Police / Fire	500	Short	Ongoing	2	1
2A2	Provide information to the public on the city website and through public education opportunities	EM / Police	500	Short	Ongoing	Low	1
Objective 2B: Promote partnerships between the state, counties, local jurisdictions, and partner agencies to identify, prioritize, and implement mitigation actions.							
2B1	Participate as a member in local or regional hazard mitigation planning group	Police/Fire	500	Short	Complete		
2B2	Support or provide the public sector events, workshop, symposium, and continued education opportunities.	EM / Police / Fire	1.5K	Long	Complete	3	1
Objective 2C: Work with Chamber of Commerce, businesses and other local agencies to promote hazard mitigation in local community.							
2C1	Increase awareness and knowledge of hazard mitigation principles and practices	EM / Police / Fire	2K	Medium	Ongoing	Low	1
2C2	Encourage businesses to develop and implement hazard mitigation actions	EM / Police / Fire	1K	Medium	Ongoing	Low	1
2C3	Ensure that Police and Fire have the latest edition of the Emergency Response Guidebook	EM / Police / Fire	500	Long	Complete		
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
3A1	Work with the Park and Recreation and Public Works on maintenance of parks and other natural resources	Police/ParkRec/PW	25K	Long	Ongoing	Low	1
3A2	Ensure that DNR requirements are being met with improvements to Natural wetlands and DNR regulations	Police/ParkRec/PW	5K	Long	Ongoing	Low	1, 2
3A3	Meet with the Richfield Historical Society to mitigate Historical and Cultural assets within the community from natural disasters	EM/ParkRec/Richfield Historical Society	2K	Long	Ongoing	Low	1, 5

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 Volume 3 – Community Mitigation Strategies

Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Create a strategy to work with private industry and businesses to identify locations of hazardous materials							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Meet with Hazardous material producers to review state and federal guidelines	EM / Police / Fire / Bus	1.2K	Medium	Complete		
4A2	Receive updated emergency operations plans for private industry on their protocols responding to Hazardous material incidents	EM / Police / Fire / Bus	500	Short	Ongoing	Low	1
4A3	Receive updated locations of where Hazardous materials are stored on site.	EM / Police / Fire / Bus	800	Short	Complete		
Objective 4B: Share SARA information with other city departments through ACTIVE 911 App.							
4B1	Have access through the Fire Department to other ACTIVE 911 User to receive the SARA information overlay for other departments specifically police.	Police/Fire	500	Short	Complete		
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Increase coordination with the State Duty Officer for Highway spills							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Work with the Fire Department and Public works on spill protocols	EM / Police / Fire	700	Medium	Complete		
5A2	Update information with State Duty Officer	EM / Police / Fire	500	Short	Complete		
Objective 5B: Maintain and Update plan to contact Utility Companies							
5B1	Provide contact information for City personnel to Utility Companies	EM / Police / Fire	500	Medium	Ongoing	Low	1
Objective 5C: Active Shooter situation. Coordination and Training with all local, county, and state agencies							
5C1	Continue to develop “Play Book” for active shooter incidents.	EM / Police / Fire	1.5K	Medium	Complete		

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5C2	Continue to train with Fire Department and other agencies in response protocols and procedures.	EM / Police / Fire	1.5K	Long	Ongoing	Low	1
5C3	Apply and receive grant funding to train on a more regional basis.	EM / Police / Fire	1.5K	Long	Ongoing	Low	1
5C4	Continue to work with the Business and School Communities in response protocols and procedures, review actions, and build plans	Community/EM/Fire/Police	1.5K	Medium	Ongoing	Low	1
Objective 5D: CERT Training and Regional Asset sharing of resources							
5D1	Continue to recruit and train CERT volunteers	EM / Police / Fire	3K	Short	Ongoing	Low	1
5D2	Work with local jurisdictions on exercises and events.	EM / Police / Fire	2K	Long	Ongoing	Low	1
5D3	Apply and receive grant funding to offset the cost of the CERT Program.	EM, CERT Admin, Regional Partners	5K	Long	Ongoing	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Work in Partnership with Community Development on education contractors and new developers on Hazard Mitigation							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Review and implement, if possible, changes in city ordinances	EM / Police / Fire	5K	Long	Ongoing	Low	1
6A2	Conduct Study Sessions with City Council on new development possibilities and include Hazard Mitigation/Disaster protocols	Attorney / CD / City Counsel	5K	Long	Ongoing	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Training for Police, Fire, and Public Works personnel in response protocols to hazards							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Update training protocols and plans for all City departments on hazard response including evacuation.	EM / Police / Fire / City	1.5K	Long	Ongoing	Low	1
Objective 7B: Continue with Business CERT and TEEN CERT models in the community							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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7B1	Train more businesses in the CERT Model and solicit more volunteers.	EM / Police / Fire / CERT / Admin / Businesses / Park and Rec	1.5K	Long	Ongoing	Low	1
7B2	Continue to train TEEN CERT volunteers in our community.	EM / Police / Fire / CERT / Admin / Businesses / Park and Rec	1.5K	Long	Ongoing	Low	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A: Identify and Mitigate Public Health and City Services for the community							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Continue to focus on direct service (WIC, vaccines, breastfeeding education and support, maternal-child health, infectious disease, health promotion) this work will build resilience in the underserved populations in the city of Richfield through Bloomington Public Health	Community/City/BPH	\$100K	Long	Ongoing	4	1
8A2	Our community health improvement partnership work is addressing complex health issues and aims to reverse health and racial inequities. It does this by partnering communities, public health agencies, health systems, and clinics, housing developers providers, spiritual, faith and cultural communities, schools, and human service organizations.	Community/City/BPH	\$100K	Long	Ongoing	Low	1
8A3	Working on Language barriers within our diverse population. Translating all city in languages spoken in Richfield and increasing our staff to mirror the diverse population we serve	City Government	\$500K	Long	Ongoing	Low	1
8A4	Working with Planners and developers on affordable housing and programs to help our diverse community find housing.	Community Development	\$500K	Long	Ongoing	5	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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8A5	Work with community organizations that support and provide resources to our disability community	City Government/Community	\$100K	Long	Ongoing	Low	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A: Follow the established City Climate Control Plan							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Develop and Promote Energy Efficiency Efforts-Understand City’s energy usage and how to reduce it while helping the environment.	City Government/Community	\$750K	Long	Ongoing	Low	1
9A2	Promote Renewable Energy Installation and Purchasing-Reduce reliance on fossil fuel derived energy and educate residents and businesses on installation incentives	City Government	\$750K	Long	Ongoing	Low	1
9A3	Encourage Sustainable Design and Building Practices- ensure design and construction plans integrate environmental best practices and amenities, making the buildings life cycle more environmentally efficient.	City Government/Community	\$500K	Long	Ongoing	Low	1
9A4	Strengthen and Expand Natural Resource Management-Inventory various natural resources and include the public in restoration and maintenance of trees, parks, and bodies of water	City Government/Community	\$750K	Long	Ongoing	Low	1
9A5	Reduce Waste Generated and Promote Responsible Disposal- Understand how to responsibly dispose of many different goods and materials while promoting a circular, low waste economy.	City Government/Community	\$500K	Long	Ongoing	Low	1
9A6	Improve Access to Local Healthy Food-Increase convenient purchasing	City Government/Community	\$500K	Long	Ongoing	Low	1

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 Volume 3 – Community Mitigation Strategies

	opportunities and create more gardening and food population opportunities.						
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A: Multiple Hazards as it relates to critical infrastructure and the community							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Assess Community Risk-Developing and maintaining a database to track community vulnerability (i.e., exposure to known hazard areas.)	City Government/Community	\$30K	Medium	Ongoing	Low	1
10A2	Map Community Risk-Obtaining hazard data and using GIS to map various hazards	Public Works/Community Development/EM/Community	\$30K	Medium	Ongoing	Low	1
10A3	Prevent Development in Hazard Areas-Purchasing land and title in the name of local government to remove structures and enforce permanent restrictions on development.	Community Development	\$50K	Medium	Ongoing	Low	1
10A4	Adopt Development Regulations in Hazard Areas-Evaluating the use of performance/impact zoning to set risk-based standards for land development.	Community Development.	\$30K	Long	Ongoing	Low	1
10A5	Limit Density in Hazard Areas-Ensuring the zoning ordinance encourages higher densities only outside of known hazards.	Community Development	\$30K	Long	Ongoing	Low	1
10A6	Create Local Funding Mechanisms for Hazard Mitigation-Establish a local reserve fund for public mitigation measures.	City Government/Community Development	\$750K	Long	Ongoing	Low	1
10A7	Monitor Mitigation Plan Implementation-Preparing a plan implementation monitoring schedule and outlining roles for those responsible for monitoring (i.e. local departments, agencies, and committees.)	City Government/Community Development	\$100K	Long	Ongoing	6	1

Richfield 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Assess and upgrade the City/County warning system	
Project Title/Action	1A1: Creating a schedule to replace warning siren systems within next 7 years
Project Status	Complete
Responsible Agency	Richfield Police
Project Title/Action	1A2: Update our evacuation and sheltering plans for Municipal buildings in 1 year
Project Status	Complete
Responsible Agency	EM/Fire/Police/Exec
Project Title/Action	1A3: Update our Emergency Operations Center (EOC) concerning technology in 1 year. Tabletop exercise and activation of EOC within 1 year
Project Status	Complete
Responsible Agency	EM/All Depts
Project Title/Action	1A4: Perform exercises to test the various components of the EOC within 1 year
Project Status	Complete
Responsible Agency	EM/All Depts
Project Title/Action	1A5: Develop more information to warn/mitigate disasters on our social media in 6 months
Project Status	Complete
Responsible Agency	Police/Exe
Project Title/Action	1A6: Use of our EVERBRIDGE system to warn residents of hazardous weather or man-made hazards
Project Status	Complete
Responsible Agency	Police
OBJECTIVE: 1B: Maintain Links to other sources of reliable information about infectious disease response, including quarantine	
Project Title/Action	1B1: Maintain Contracts with Bloomington Public Health for ongoing services
Project Status	Complete
Responsible Agency	BPH/Police/City Gov
Project Title/Action	1B2: Provide educational material along with the location of vaccination clinics to employees and the public
Project Status	Complete
Responsible Agency	EM/Police/BPH
Project Title/Action	1B3: Working with our diverse community through community outreach groups on educational material regarding vaccinations and illnesses
Project Status	Ongoing
Responsible Agency	Update
Project Title/Action	1B4: Review and Update EBOLA Response Plan Protocols
Project Status	Complete
Responsible Agency	All Depts./BPH

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OBJECTIVE: 2A: Educate the public to increase awareness of hazards and opportunities for mitigation actions	
Project Title/Action	2A1: Publicize and encourage the adoption of appropriate hazard mitigation actions
Project Status	Delayed
Responsible Agency	EM/Police/Fire
Project Title/Action	2A2: Provide information to the public on the city website and through public education opportunities
Project Status	On-Schedule
Responsible Agency	EM/Police
OBJECTIVE: 2B: Promote partnerships between the state, counties, local jurisdictions, and partner agencies to identify, prioritize, and implement mitigation actions	
Project Title/Action	2B1: Participate as a member in local or regional hazard mitigation planning group
Project Status	Complete
Responsible Agency	Police/Fire
Project Title/Action	2B2: Support or provide the public sector events, workshop, symposium, and continued education opportunities
Project Status	Complete
Responsible Agency	EM/Police/Fire
OBJECTIVE: 2C: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community	
Project Title/Action	2C1: Increase awareness and knowledge of hazard mitigation principles and practices
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire
Project Title/Action	2C2: Encourage businesses to develop and implement hazard mitigation actions
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire
Project Title/Action	2C3: Ensure that Police and Fire have the latest edition of the Emergency Response Guidebook
Project Status	Complete
Responsible Agency	EM/Police/Fire
OBJECTIVE: 4A: Create a strategy to work with private industry and businesses to identify locations of hazardous materials	
Project Title/Action	4A1: Meet with Hazardous material producers to review state and federal guidelines
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire/Bus
Project Title/Action	4A2: Receive updated emergency operations plans for private industry on their protocols responding to Hazardous material incidents
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire/Bus
Project Title/Action	4A3: Receive updated locations of where Hazardous materials are stored on site
Project Status	Complete

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Responsible Agency	EM/Police/Fire/Bus
OBJECTIVE: 4B: Share SARA information with other city departments through ACTIVE 911 App	
Project Title/Action	4B1: Have access through the Fire Department to other ACTIVE 911 User to receive the SARA information overlay for other departments specifically police
Project Status	On-Schedule
Responsible Agency	Police/Fire
OBJECTIVE: 5A: Increase coordination with the State Duty Officer for Highway spills	
Project Title/Action	5A1: Work with the Fire Department and Public Works on spill protocols
Project Status	Ongoing
Responsible Agency	EM/Police/Fire
Project Title/Action	5A2: Update information with State Duty Officer
Project Status	Complete
Responsible Agency	EM/Police/Fire
OBJECTIVE: 5B: Maintain and Update plan to contact Utility Companies	
Project Title/Action	5B1: Provide contact information for City personnel to Utility Companies
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire
OBJECTIVE: 5C: Active Shooter situation. Coordination and Training with all local, county, and state agencies	
Project Title/Action	5C1: Continue to develop “Play Book” for active shooter incidents
Project Status	Complete
Responsible Agency	EM/Police/Fire
Project Title/Action	5C2: Continue to train with Fire Department and other agencies in response protocols and procedures
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire
Project Title/Action	5C3: Apply and receive grant funding to train on a more regional basis
Project Status	Complete
Responsible Agency	EM/Police/Fire
OBJECTIVE: 5D: CERT Training and Regional Asset sharing of resources	
Project Title/Action	5D1: Continue to recruit and train CERT volunteers
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire
Project Title/Action	5D2: Work with local jurisdictions on exercises and events
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire
Project Title/Action	5D3: Apply and receive grant funding to offset the cost of the CERT Program
Project Status	On-Schedule
Responsible Agency	Emergency Management
OBJECTIVE: 6A: Work in Partnership with Community Development on education contractors and new developers on Hazard Mitigation	
Project Title/Action	6A1: Review and implement, if possible, changes in city ordinances
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Project Title/Action	6A2: Conduct Study Sessions with City Council on new development possibilities and include Hazard Mitigation/Disaster protocols
Project Status	On-Schedule
Responsible Agency	Attorney/CD/City Counsel
OBJECTIVE: 7A: Training for Police, Fire, and Public Works personnel in response to hazards	
Project Title/Action	7A1: Update training protocols and plans for all City departments on hazard response including evacuation
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire/City
OBJECTIVE: 7B: Continue with Business CERT and TEEN CERT models in the community	
Project Title/Action	7B1: Train more businesses in the CERT Model and solicit more volunteers
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire/CERT Admin/Businesses/ Park and Rec
Project Title/Action	7B2: Continue to train TEEN CERT volunteers in our community
Project Status	On-Schedule
Responsible Agency	EM/Police/Fire/CERT Admin/Businesses/ Park and Rec

3.3.37. CITY OF ROBBINSDALE

Hennepin County - Robbinsdale

Once property of the Village of Crystal, Robbinsdale became a village on April 19, 1893, after a special election was held to dissolve the Village of Crystal. The geographical area of Robbinsdale has remained at 2.9 square miles since that time. Robbinsdale was also the first suburb of Minneapolis and was named for Andrew Robbins, an entrepreneur who purchased 90 acres of land for the purpose of making the area a suburban town. Robbinsdale is home to North Memorial Medical Center, which is one of the state's Level 1 Trauma Center and operates "Air Care", an air medical transport service. Minnesota State Highway 100 and County Road 81 are the two main transportation route of the city.

City Website: <https://www.robbinsdalemn.com/>



<https://www.statsamerica.org/town/>



Population density: 5,120 people per square mile (average).

Tornado activity: Robbinsdale-area historical tornado activity is slightly above Minnesota state average. It is 28% greater than the overall U.S. average.

Earthquake activity: Robbinsdale-area historical earthquake activity is significantly above Minnesota state average. It is 55% smaller than the overall U.S. average.

People & Housing	
Population Estimate (2022)	14,452
H.S. Diploma or More - % of Adults 25+ (2022)	94.4%
Bachelor's Deg. or More - % of Adults 25+ (2022)	40.7%
Households (2022)	6,480
Total Housing Units (2022)	6,591
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%

Latitude/Longitude: 45.024446, -93.337332
 Area: 2.98 sq. miles
 Area - Land only: 2.79 sq. miles (94%)
 Area - Water only: 0.19 sq. miles (6%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 1** Mitigation Priority 1 (1C1)
 - Upgrade Emergency Operations Center Technology and identify and create a backup Emergency Operations Center
- 10** Mitigation Priority 2 (10A1)
 - Continue with installation of fiber optics throughout the city to establish an updated technology and ensure redundancy.
- 7** Mitigation Priority 3 (7A1)
 - Work within the community and Xcel Energy to identify all power lines which could be buried to reduce significant power failures throughout the community.

- ### Vulnerability
- Monticello NPP: 29 Miles
 - Functional Needs: 511
 - Bridges: 29
 - Broadway Court Senior Apartments: 57 Units
 - Clare House: 150 individuals
 - Copperfield Hill Assisted Living

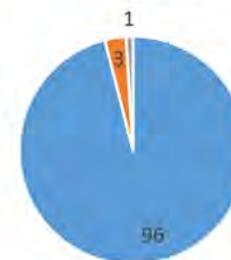
- ### Capability
- Law Enforcement
 - Fire Department
 - North Memorial Hospital (Trauma level 1)
 - 8 helicopters
 - 120 Ambulances
 - FCC Registered Amateur Radio Licenses: 39

- ### Corporate/Employer
- North Memorial Hospital: 725

- ### School District
- 281 Robbinsdale

Social Media: Facebook - <https://www.facebook.com/CityOfRobbinsdale/>

Language



■ English ■ Spanish ■ Vietnamese

https://apps.mla.org/map_data

<https://www.city-data.com/city/Robbinsdale-Minnesota.html>

2024 Robbinsdale Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Retrofit/Upgrade/Repair water main from Minneapolis to Crystal							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Inspect main to ensure its durability	City of Crystal	\$300,000	Short	Complete		
Objective 1B: Provide a Mobile Command Post for use during critical incidents.							
1B1	Conduct meetings with Police and Fire personnel to determine vehicle needs and capabilities	City of Robbinsdale	\$500	Short	Ongoing	Low	1
1B2	Purchase a multi-use Command Post Vehicle for use by Police and Fire units	City of Robbinsdale	\$400,000	Medium	Ongoing	Low	1
Objective 1C: Update EOC							
1C1	Review current technology and make upgrades as necessary	City of Robbinsdale	\$30,000	Short	Ongoing	1	1
1C2	Provide ongoing training for EOC users	City of Robbinsdale	\$20,000	Long	Ongoing	Low	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Put information on city website providing up-to-date disaster awareness information							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Create a page and/or links on the city website related to disaster awareness and preparedness	City of Robbinsdale	\$5,000	Short	In Progress	Low	1
2A2	Assign personnel to periodically update the website to ensure accurate and up-to-date information is available to citizens	City of Robbinsdale	\$5,000	Long	Ongoing	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Reducing Phosphorus in Crystal Lake							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Ensure newly installed Flocculation Plant is fully operational and reducing Phosphorus according to plan and maintain a safe level	City of Robbinsdale	\$5,000	Short	Ongoing	Low	1
3A2	Continue testing throughout year and tracking data	City of Robbinsdale	\$10,000	Long	Ongoing	Low	1

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Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Monitor Burlington Northern Railway Blue Line Construction Project							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Attend meetings and engage Engineers and Designers of new system throughout the construction process	City of Robbinsdale	\$2,000	Short	Cancelled	Low	1
Objective 4B: Partner with Burlington Northern to understand what Hazmat controls and response would be needed once construction completed							
4B1	With chemicals being transported through the city. Create an “emergency action plan” with Burlington Northern using hazardous material release scenario	City of Robbinsdale	\$25,000	Medium	Cancelled	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Maintaining City Staff/Elected Officials that are aware of Emergency Management plans and procedures							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Require that all applicable city personnel receive training in current Emergency Management and FEMA practices	City of Robbinsdale	\$5,000	Short	Ongoing	Low	1
5A2	Ensure that Disaster Plans are maintained and applicable city personnel are familiar with them	City of Robbinsdale	\$5,000	Short	Ongoing	Low	1
5A3	Provide information and instructions on how they can access or enroll in classes toward state certification	City of Robbinsdale	\$500	Short	Ongoing	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Maintain City Building Codes to ensure to most up-to-date and disaster resistant designs are used for future construction and renovations							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Require that applicable city engineers and inspectors receive adequate training in current building designs and renovation processes that provide enhanced disaster resistance	City of Robbinsdale	\$5,000	Short	Ongoing	Low	1
6A2	Assist Elected Officials/Department Heads in reviewing and implementing building codes that promote enhanced safety and integrity of structures	City of Robbinsdale	\$1,000	Short	Ongoing	Low	1
Goal 7: Support local communities’ capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury All Overhead Power lines							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work within the community and Xcel Energy to identify all power lines which could be buried to reduce significant power failures throughout the community.	City of Robbinsdale	\$3,000,000	Long	Ongoing	3	1, 4, 5
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	The City of Robbinsdale is striving to connect with these communities and ensure basic needs are met and find ways to thrive to include; Embedded Social Workers, Joint Community Police and Partnership Programs, and a Multicultural Advisory Committee.	City of Robbinsdale	\$75,000 / year	Short	Ongoing	Low	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Become a host city for MN GreenCorps interns to aid the city in reducing environmental impacts in the community through education, policy changes, and participating in Green Programs.	City of Robbinsdale		Short	Ongoing	Low	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Continue with installation of fiber optics throughout the city to establish an updated technology and ensure redundancy.	City of Robbinsdale	\$5,000,000	Long	Ongoing	2	1

Robbinsdale 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Retrofit/Upgrade/Repair water main from Minneapolis to Crystal	
Project Title/Action	1A1: Inspect main to ensure its durability
Project Status	Complete
Responsible Agency	City of Robbinsdale
OBJECTIVE: 1B: Provide a Mobile Command Post for use during critical incidents	
Project Title/Action	1B1: Conduct meetings with Police and Fire personnel to determine vehicle needs and capabilities
Project Status	Project Ongoing
Project Title/Action	1B2: Purchase a multi-use Command Post Vehicle for use by Police and Fire units
Project Status	Delayed
Responsible Agency	City of Robbinsdale
OBJECTIVE: 1C: Update EOC	
Project Title/Action	1C1: Review current technology and make upgrades as necessary
Project Status	Anticipated completion date: March 2024
Project Title/Action	1C2: Provide ongoing training for EOC users
Project Status	Project Ongoing
Responsible Agency	City of Robbinsdale
OBJECTIVE: 2A: Put information on city website providing up-to-date disaster awareness information	
Project Title/Action	2A1: Create a page and/or links on the city website related to disaster awareness and preparedness
Project Status	On-Schedule
Project Title/Action	2A2: Assign personnel to periodically update the website to ensure accurate and up-to-date information is available to citizens
Project Status	On-Schedule
Responsible Agency	City of Robbinsdale
OBJECTIVE: 3A: Reducing Phosphorus in Crystal Lake	
Project Title/Action	3A1: Ensure newly installed Flocculation Plant is fully operational and reducing Phosphorus according to plan and maintain a safe level
Project Status	Project Ongoing
Project Title/Action	3A2: Continue testing throughout year and tracking data
Project Status	Project Ongoing
Responsible Agency	City of Robbinsdale
OBJECTIVE: 4A: Monitor Burlington Northern Railway Blue Line Construction Project	
Project Title/Action	4A1: Attend meetings and engage Engineers and Designers of new system throughout the construction process
Project Status	Canceled
Responsible Agency	City of Robbinsdale
OBJECTIVE: 4B: Partner with Burlington Northern to understand what Hazmat controls and response would be needed once construction completed	
Project Title/Action	4B1: With chemicals being transported through the city. Create an “emergency action plan” with Burlington Northern using hazardous material release scenario
Project Status	Canceled
Responsible Agency	City of Robbinsdale

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OBJECTIVE: 5A: Maintaining City Staff/Elected Officials that are aware of Emergency Management plans and procedures	
Project Title/Action	5A1: Require that all applicable city personnel receive training in current Emergency Management and FEMA practices
Project Status	Project Ongoing
Project Title/Action	5A2: Ensure that Disaster Plans are maintained, and applicable city personnel are familiar with them
Project Status	Project Ongoing
Project Title/Action	5A3: Provide information and instructions on how they can access or enroll in classes toward state certification
Project Status	Project Ongoing
Responsible Agency	City of Robbinsdale
OBJECTIVE: 6A: Maintain City Building Codes to ensure the most up-to-date and disaster resistant designs are used for future construction and renovations	
Project Title/Action	6A1: Require that applicable city engineers and inspectors receive adequate training in current building designs and renovation processes that provide enhanced disaster resistance
Project Status	On-Schedule
Project Title/Action	6A2: Assist Elected Officials/Department Heads in reviewing and implementing building codes that promote enhanced safety and integrity of structures
Project Status	On-Schedule
Responsible Agency	City of Robbinsdale
OBJECTIVE: 7A: Bury All Overhead Power Lines	
Project Title/Action	7A1: Work within the community and Xcel Energy to identify all power lines which could be buried to reduce significant power failures throughout the community
Project Status	On-Schedule
Responsible Agency	City of Robbinsdale

3.3.38. CITY OF ROCKFORD

Hennepin County - Rockford

Nestled along the banks of the Crow River on the edge of both Hennepin and Wright Counties, the City of Rockford offers some of the best of small-town living found in Minnesota. Located along Highway 55, just 30 miles west of Minneapolis, Rockford is home to over 4,500 residents and 467 businesses.. Wright County provides emergency services to Rockford with Hennepin County supporting Wright County.

City Website: <https://www.cityofrockford.org/about>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	4,638
H.S. Diploma or More - % of Adults 25+ (2022)	94.8%
Bachelor's Deg. or More - % of Adults 25+ (2022)	40.5%
Households (2022)	1,810
Total Housing Units (2022)	1,810
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%

Latitude/Longitude: 45.0939095, -93.7469775
 Area: 2.67 sq. miles
 Area - Land only: 2.61 sq. miles (98%)
 Area - Water only: 0.06 sq. miles (2%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 2** Mitigation Priority 1
 - Partner with local agencies to enhance resident understanding of local hazards.
- 4** Mitigation Priority 2
 - Assess flood related hazards within the community.
- 5** Mitigation Priority 3
 - Coordinate with regional water districts to assess flood vulnerability.

Vulnerability

- Monticello NPP: 15 Miles
- Bridges: 3

Corporate/Employer

- Tractor Supply
- Rockford Public Schools

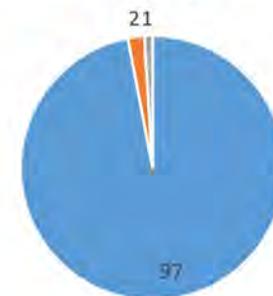
Capability

- Rockford Fire Department
- Public Works
- Wright County Sheriff
- Hennepin County Sheriff
- Parks and Recreation
- FCC Registered Amateur Radio Licenses: 6

School District

- 883 Rockford

Language



English Spanish German

https://apps.mla.org/map_data

2024 Rockford Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Enhance resident awareness.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Partner with local agencies to enhance resident understanding of local hazards.	Emergency Management	Personnel Time	Ongoing	Ongoing	1	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Assess flood related hazards within the community.	Emergency Management	Personnel Time	Ongoing	Ongoing	2	1, 6
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Coordinate with water districts.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Coordinate with regional water districts to assess flood vulnerability.	Emergency Management	Personnel Time	Ongoing	Ongoing	3	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Ensure building code compliance and inspections are conducted on new construction projects.							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Rockford 2018 – 2024 Mitigation Strategies Progress Report
No Prior Projects.

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3.3.39. CITY OF ROGERS

Hennepin County - Rogers

The City of Rogers is a vibrant and growing city on the edge of the Twin Cities Metropolitan area. Situated as a key gateway between the metro and Greater Minnesota, Rogers delivers the best combination of “big-city” access and amenities along with small-town character and wide-open spaces. Residents and visitors enjoy a unique mix of urban and rural residential neighborhoods, commercial shopping opportunities, and an important industrial employment center. Interstate 94 and Minnesota State Highway 101 are the main transportation routes for Rogers. The fire department is responsible for emergency management operations and functions within the community.

Population density: 2,670 people per square mile (average).

Tornado activity: Rogers-area historical tornado activity is slightly above Minnesota state average. It is 21% greater than the overall U.S. average.

Earthquake activity: Rogers-area historical earthquake activity is significantly above Minnesota state average. It is 53% smaller than the overall U.S. average.

Hazard Mitigation Project Goal Priority Ranking Aid

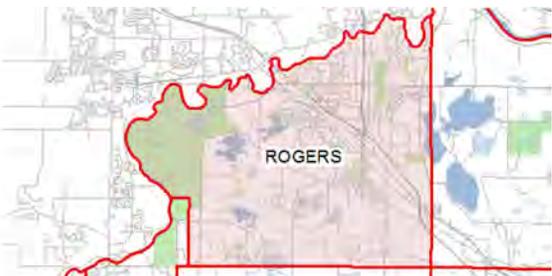
- 1** Mitigation Priority 1
 - Fill station for fire apparatus.
- 1** Mitigation Priority 2
 - Reduce travel time to fill fire apparatus in our non-hydrant areas.
- 4** Mitigation Priority 3
 - Conduct annual fire inspections – Tier 2 Facilities.

City Website: <https://www.rogersmn.gov/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	13,283
H.S. Diploma or More - % of Adults 25+ (2022)	97.3%
Bachelor's Deg. or More - % of Adults 25+ (2022)	52.3%
Households (2022)	4,406
Total Housing Units (2022)	4,647
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%



Latitude/Longitude: 45.192536, -93.590128
 Area: 26.34 sq. miles
 Area - Land only: 25.49 sq. miles (97%)
 Area - Water only: 0.85 sq. miles (3%)

- Vulnerability**
- Monticello NPP: 14 Miles
 - Functional Needs: 106
 - Wellstead Senior Living
 - Country Acres Mobile Home Park

- Capability**
- Law Enforcement
 - Fire Department
 - Public Works
 - Parks and Recreation
 - FCC Registered Amateur Radio Licenses: 33

- Corporate/Employer**
- Graco
 - Bobcat
 - Cabellas
 - Medline

- School District**
- 278 Elk River

Disaster History
 16Sept06- F2 Tornado damaged 300 homes with 7 injuries/1 casualty over 10 Million in damages



■ English ■ Spanish ■ German
https://apps.mla.org/map_data

Social Media: <https://www.facebook.com/cityofrogers/>
<https://www.city-data.com/city/Rogers-Minnesota.html>

2024 Rogers Mitigation Goals/Objectives/Actions/Status Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Storm Shelter							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Construct a shelter in a Senior Development Area	EM/PW	75K	5	Cancelled	Low	1, 5
1A2	Construct a shelter in the New South Community Park	EM/PW	75K	5	On going	Low	1, 5
1A3	Provide shelters for severe weather	EM/Fire/Police /PW	Staff Time	10	Ongoing	Low	1, 5
1A4	Approve construction documents	EM/PW	15K	1	Cancelled	Low	1
1A5	Construct storm shelters in existing parks and school field areas	EM/PW	400K	10	On Going	Low	1, 5
Objective 1B: Water Fill Station in the SW Quadrant of our City (Non-Hydrant area)							
1B1	Fill station for fire apparatus	EM/Fire/PW	100K	4	On going	1	1
1B2	Reduce travel time to fill fire apparatus in our non-hydrant areas	EM/Fire/PW	Staff Time	Continuously	On Going	2	1
1B3	Purchase land	EM/PW	15K	3	Cancelled	Low	1
1B4	Engineering study for well site	EM/PW	25K	1	Cancelled	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Become a Storm Ready Community	EM	5K	2	On-going	Low	1
2A2	Provide flood insurance education to community through various platforms	EM/Fire	1K	Continuous	On-going	Low	1, 5
2A3	Spread emergency management and preparedness messages across all community social media pages	EM/FIRE/PD/City	1K	Continuous	On-going	Low	1
2A4	Become Fire Wise community	EM/Fire	1K	5	On-going	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Identify historic and culturally impactful properties and areas within the community.	EM/PW	5K	5	On-Going	Low	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Create a strategy to work with private industry and businesses to identify locations of hazardous materials							
Action	Description	Agency	Estimated	Estimated	Status	Priority	Funding

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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		Responsible	Cost	Timeline			Sources
4A1	Conduct annual fire inspections – Tier 2 Facilities	Fire	15K	Yearly	On-going	3	1
4A2	Conduct fire inspections and pre-plans of commercial and industrial occupancies at 1, 3, and 5 year benchmarks	Fire	15K	Yearly	On-going	Low	1
4A3	Implement hazardous materials operational permits	Fire	10K	Yearly	On-going	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Bi-Directional Amplifiers (BDA) Equipment							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Improve radio coverage in large buildings	EM	100K	5	Cancelled	Low	1
5A2	Improve radio coverage at the Rogers High School for REP	EM	20K	2	Cancelled	Low	1
5A3	Improve radio coverage in underground parking ramps and tunnels between buildings	EM	60K	3	Cancelled	Low	1
5A4	Meet with building owners on installing a BDA system	EM/Fire/Police	Staff Time	Ongoing	Cancelled	Low	1
5A5	BDA Engineer	EM	10K	1	Cancelled	Low	1
5A6	Meet with Hennepin County Dispatch on existing	EM/Fire/Police	Staff Time	Ongoing	Cancelled	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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	radio coverage						
5A7	Improve radio coverage and reliability throughout the community	EM/Fire/Police	Varies	Continuously	On-going	Low	1
Objective 5B: Mass Emergency Notification System							
5B1	Distribute emergency messages via telephone	EM	9.5K	2	Cancelled	Low	1
5B2	Deliver pre-recorded messages from the National Weather Service	EM	3.5K	2	Cancelled	Low	1
5B3	Smart phone Code Red app	EM	\$1/Year	Ongoing	Cancelled	Low	1
5B4	Promote the use of NOAA Weather Radios	EM	Staff Time	Ongoing	Cancelled	Low	1
5B5	Code Red Sales Engineer	EM/Fire/PD/PW	Staff Time	1	Cancelled	Low	1
5B6	Source and implement a mass emergency notification system through the Rogers Community	EM/Fire/PD/PW	7K	1	On-going	Low	1
Objective 5C: Severe Weather Siren Maintenance and Installation							
5C1	Install storm sirens to develop redundancy and coverage throughout the remainder of the community	EM	200K	10	On-going	Low	1
5C2	Update aging storm sirens to more modern technology and siren style	EM	125K	5	On-going	Low	1
5C3	Strengthen current siren maintenance by bird proofing poles and conducting annual	EM	75K	Continuously	On-going	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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	inspections and maintenance						
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Ordinance development							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Work to develop shoreland ordinance	CED	Staff time	2	On-going	Low	1
6A2	Consider and evaluate flood management plan	EM/CED/PW	Staff time	2	On-going	Low	1
Goal 7: Support local communities’ capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Plan development							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Develop economic development plan	EM/CED	Staff Time	5	On-going	Low	1
7A2	Develop post disaster recovery plan	EM/CED/PW	Staff Time	5	On-going	Low	1
7A3	Develop CERT program	EM/Fire	35K	10	On-going	Low	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Develop emergency management cache	EM	Staff time	Continuous	On-going	Low	1

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8A2	Develop sheltering plan and identify additional sheltering locations	EM	Staff time	Continuous	On-going	Low	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Assess wildfire risk of park district land	EM/Fire	Staff time	Continuous	On-going	Low	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Develop continuity of operation plan	EM/City	Staff Time	5	On-going	Low	1

Rogers 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Storm Shelter	
Project Title/Action	1A1: Construct a shelter in a Senior Development Area
Project Status	Cancelled
Responsible Agency	EM/PW
Project Title/Action	1A2: Construct a shelter in the New South Community Park
Project Status	Ongoing
Responsible Agency	EM/PW
Project Title/Action	1A3: Provide shelters for severe weather
Project Status	Ongoing
Responsible Agency	EM/Fire/Police/PW
Project Title/Action	1A4: Approve construction documents
Project Status	Cancelled
Responsible Agency	EM/PW
Project Title/Action	1A5: Construct storm shelters in existing parks and school field areas
Project Status	Ongoing
Responsible Agency	EM/PW
OBJECTIVE: 1B: Water Fill Station in the SW Quadrant of our City (Non-Hydrant area)	
Project Title/Action	1B1: Fill Station for fire apparatus
Project Status	Ongoing
Responsible Agency	EM/Fire/PW
Project Title/Action	1B2: Reduce travel time to fill fire apparatus in our non-hydrant areas
Project Status	Ongoing
Responsible Agency	EM/Fire/PW
Project Title/Action	1B3: Purchase Land
Project Status	Cancelled
Responsible Agency	EM/PW
Project Title/Action	1B4: Engineering Study for well site
Project Status	Cancelled
Responsible Agency	EM/PW
OBJECTIVE: 5A: Bi-Directional Amplifiers (BDA) Equipment	
Project Title/Action	5A1: Improve radio coverage in large buildings
Project Status	Cancelled
Summary of Project	Large Buildings
Responsible Agency	EM
Project Title/Action	5A2: Improve radio coverage at the Rogers High School for REP
Project Status	Cancelled
Summary of Project	HS radio coverage
Responsible Agency	EM
Project Title/Action	5A3: Improve radio coverage in underground parking ramps and tunnels between buildings
Project Status	Cancelled
Summary of Project	Parking and Tunnels
Responsible Agency	EM
Project Title/Action	5A4: Meet with building owners on installing a BDA system
Project Status	Cancelled

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Summary of Project	Building Owners
Responsible Agency	EM/Fire/Police
Project Title/Action	5A5: BDA Engineer
Project Status	Cancelled
Summary of Project	Engineer study
Responsible Agency	EM
Project Title/Action	5A6: Meet with Hennepin County Dispatch on existing radio coverage
Project Status	Cancelled
Summary of Project	Meet/Time with HCSO
Responsible Agency	EM/Fire/Police
OBJECTIVE: 5B: Code Red Emergency Notification System	
Project Title/Action	5B1: Distribute emergency messages via telephone
Project Status	Cancelled
Summary of Project	Alert Messages
Responsible Agency	EM
Project Title/Action	5B2: Deliver Pre-recorded messages from the National Weather Service
Project Status	Cancelled
Summary of Project	NWS Messages
Responsible Agency	EM
Project Title/Action	5B3: Smart phone Code Red app
Project Status	Cancelled
Summary of Project	Code Red Application renewal
Responsible Agency	EM
Project Title/Action	5B4: Promote the use of NOAA Weather Radios
Project Status	Cancelled
Summary of Project	NOAA radios
Responsible Agency	EM
Project Title/Action	5B5: Code Red Sales Engineer
Project Status	Cancelled
Summary of Project	Sales Engineer
Responsible Agency	EM/Fire/PD/PW

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3.3.40. CITY OF SAINT ANTHONY

Hennepin County - St. Anthony

St. Anthony shares a boundary between both Ramsey (39.4% land) and Hennepin (60.6% land) counties. The City is a “first-ring” suburb of Minneapolis and as such is part of the metropolitan area. It is located 5 miles northeast of downtown Minneapolis and eight miles northwest of downtown St. Paul. St. Anthony was also the name of the older twin city of Minneapolis, located across from downtown Minneapolis on the east bank of the Mississippi River. Minneapolis and St. Anthony merged in 1872. St. Anthony has a total area of 2.4 square miles and is easily accessible via I-35W, I-694, and Minnesota State Highway 10.

Population density: 3,950 people per square mile (average).

Tornado activity: St. Anthony-area historical tornado activity is slightly above Minnesota state average. It is 28% greater than the overall U.S. average.

Earthquake activity: St. Anthony-area historical earthquake activity is significantly above Minnesota state average. It is 56% smaller than the overall U.S. average.

Hazard Mitigation Project Goal Priority Ranking Aid

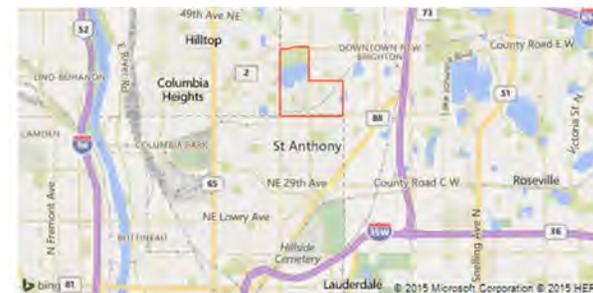
7	Mitigation Priority 1 (7A1) <ul style="list-style-type: none"> Replacement of undersized storm sewer piping; this action allows the city to increase the amount of rainwater removed that may cause flooding and aids in prevention of structural damage
10	Mitigation Priority 2 (10A1) <ul style="list-style-type: none"> Expand 800 MHz Communication Capabilities of PW and Admin to ensure lines of communications in an emergency
1	Mitigation Priority 3 (1G1) <ul style="list-style-type: none"> Install battery backup systems at all signalized intersections

City Website: <https://www.savmn.com/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	9,332
H.S. Diploma or More - % of Adults 25+ (2022)	97.3%
Bachelor's Deg or More - % of Adults 25+ (2022)	59.0%
Households (2022)	4,022
Total Housing Units (2022)	4,205
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.9%



Latitude/Longitude: 45.03 N, 93.22 W
 Area: 2.37 sq. miles
 Area - Land only: 2.25 sq. miles
 Area - Water only: 0.12 sq. miles

Vulnerability

- Monticello NPP: 34 Miles
- Functional Needs: 314
- Bridges: 2

Capability

- Fire Department
- Law Enforcement
- Parks and Recreation
- Ramsey County shares portion of city
- FCC Registered Amateur Radio Licenses: 4

Corporate/Employer

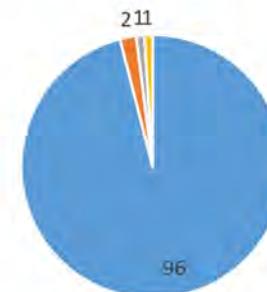
School District

- 282 St. Anthony-New Brighton

Social Media:
<https://www.facebook.com/CityofSAV>
<https://www.facebook.com/StAnthonyPolice>
<https://www.facebook.com/StAnthonyVillageFireDepartment>
<https://twitter.com/CityofStAnthony>
<https://twitter.com/StAnthonyPolice>

<https://www.city-data.com/city/St.-Anthony-Minnesota.html>

Language



■ English ■ Spanish ■ Ukrainian ■ Chinese

https://apps.mla.org/map_data

2024 Saint Anthony Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Connect all city facilities to City Hall along with security system cameras and access key cards: develop the ability to provide a secure environment both from an entry access and visual standpoint of all city facilities from a central location. Facilities include water treatment plant, well houses, city hall, fire station, public works, park shelters/warming houses and storage garage.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Complete Fiber Optic Connections to all city facilities and infrastructure	ENG/PW	\$150,000	Medium	In Progress	4	1
1A2	Expand card system able to be controlled through one central secure location	ENG/PW	\$120,000	Long	In Progress	4	1
1A3	Expand camera system able to be controlled through one central location	ENG/PW	\$180,000	Long	In Progress	4	1
Objective 1B: Provide traffic control upon signal failure: Obtain 50 temporary, portable stop signs							
1B1	Place reflective roll-up temporary stop signs with portable sign bases at all intersections with traffic signals as needed during a power outage	PW	\$12,000	Medium	In Progress	Low	1
1B2	Provide neighboring municipalities with temporary stop signs by request during a power outage	PW	Staff Time	Medium	In Progress	Low	1
Objective 1C: Severe Weather/Tornado Occurrence: Develop safe policies, procedures, and facilities to reduce injuries and losses resulting from severe weather							
1C1	Annually review severe weather protocols and procedures with students, faculty, and staff	EM/ISD 282	Staff Time 10 hours	Short	In Progress	Low	1
1C2	Publish and publicize procedures and plans for orderly and safe shelter of the community as a distribution center and resource	EM/ISD 282	Staff Time 4 Hours	Medium	In Progress	Low	1
1C3	Develop facilities to serve community for emergency access for both summer and winter protection	EM/ISD 282	Staff Time 40 Hours	Long	Delayed	Low	1
Objective 1D: Dangerous Intruder Entry: Develop safe policies, procedures, and facilities to protect students, faculty, and staff in situations with dangerous intruders that have entered the campus							
1D1	Annually review emergency evacuation and protection protocols with faculty, staff, and emergency responders	EM/ISD 282	Staff Time 10 Hours	Short	In Progress	Low	1
1D2	Identify safe gathering and retreat locations protected as against intruders and unwanted campus entry	EM/ISD 282	Staff Time 10 Hours	Medium	In Progress	Low	1

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1D3	Develop facilities to serve as retreat locations for safety and security of students, faculty and staff.	EM/ISD 282	Staff Time 40 Hours	Long	Delayed	Low	1
Objective 1E: Destruction of primary emergency infrastructure and facilities: Develop contingency plans to ensure secure remote command center for local emergency responders in case of destruction or incapacity of primary facilities or infrastructure							
1E1	Annually review protocols and responsibility shifting if critical infrastructure fails with local stakeholders at school, city, county, state, and federal levels as necessary	EM/ISD 282	Staff Time 16 Hours	Short	In Progress	2	1
1E2	Identify and construct contingency facilities capable of serving and supporting critical infrastructure upon failure of primary facilities	EM/ISD 282	Staff Time	Long	Delayed	2	1
Objective 1F: Prevent inflow and infiltration into sanitary sewer, prevent sanitary sewer system backups							
1F1	Replace sanitary sewer pipe, manholes, and service pipe. This allows the city to provide sanitary sewer capability and reduce the risk of sewer backups	ENG	\$185,000/ YR	4 Years	In Progress	Low	1, 4
Objective 1G: Provide safe intersections for motorists and pedestrians							
1G1	Install battery backup systems at all signalized intersections	ENG/PW	\$90,000	3 Years	Delayed	3	1
Objective 1H: Increase fire flow capacity of water main, provide sufficient water to the public							
1H1	Replacement of water main pipe, hydrants, and service pipe	ENG	\$90,000	Annually	Ongoing	5	1, 4
1H2	Complete utility interconnect at Roseville Water Connection	ENG	\$125,000	Short	Delayed	5	1, 4
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Protect the City's municipal water supply from contamination							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Continue implementation of wellhead protection plan document, public education, and outreach, and implement projects identified in wellhead protection plan	ENG/PW	\$25,000	4 years	In Progress	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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3A1	Continue implementation of stormwater BMP's to protect watershed in the area.	PW	Undetermined	Short	Ongoing	Low	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: School Campus: Identify ongoing concerns and risks facing facilities and spaces and identify critical infrastructure							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Annually review procedures with interested persons including police, fire, medical regarding enhanced risks and concerns	ISD 282	Staff hours: 10 hours annually	4 Months	Delayed	Low	1
4A2	Promulgate plans and contingencies to protect and support critical infrastructure and facilities	ISD 282	Staff hours: 10 hours annually	1 Month	Delayed	Low	1
4A3	Identify and develop backup and support facilities and infrastructure in case of failure or emergency use	ISD 282	Staff hours: 40 hours annually	1 Month	Delayed	Low	1
Objective 4B: Community Parks: Identify risks and issues preserving safety and security to users in parks and associated facilities shared by school district and city (LGUs)							
4B1	Annually review emergency protocols with emergency responders and critical school stakeholders.	ISD/EM/LE/ Fire	Staff hours: 10 hours annually	Annually	Ongoing	Low	1
4B2	Identify and develop safe gathering and retreat locations protected as against hazards including natural disaster or man-made emergencies	ISD/EM/LE/ Fire	Staff hours: 40 hours annually	Annually	Ongoing	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Coordinate resources in shared environments: Review and discuss coordination of responses in shared facilities and spaces							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
 Volume 3 – Community Mitigation Strategies

5A1	Determine line-of-command discussions and needs to alert protocol	ISD 282	Staff hours: 10 hours annually	Annually, short term	Delayed	Low	1
5A2	Develop and enhance facilities to serve multiple jurisdictional needs and uses	ISD 282	Staff hours: 40 hours annually	Annually, short term	Delayed	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Identify disaster-resistant components to new construction: In a fully developed community, determine design guidelines and facility needs required for inclusion in construction and remodeling of existing facilities							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Identify best practices and procedures with police, fire, medical, and other interested parties for access, safety, and protection	ISD 282	Staff hours: 10 hours annually	Annually, short term	In Progress	Low	1
6A2	Determine novel multi-use facilities capable to serve multiple jurisdictional needs and priorities	ISD 282	Staff hours: 10 hours annually	Medium	Delayed	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Increase the amounts of storm water removed from surface grade during rain events							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Replacement of undersized storm sewer piping; this action allows the city to increase the amount of rainwater removed that may cause flooding and aids in prevention of structural damage	ENG/PW	\$200,000	Ongoing	In Progress	1	1, 4, 5
Objective 7B: Provide for emergency functions at City Hall and neighboring municipalities							
7B1	Purchase a portable trailer mounted 300k Generator	PW	\$150,000	Long	Complete	Low	1, 5
7B2	Configure separate circuit(s) for emergency functions	PW	\$35,000	Long	Complete	Low	1, 4, 5
7B3	Provide neighboring municipalities the ability to use the portable trailer mounted generator during power outage	PW	Staff Time	Long	Complete	Low	1

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
 Volume 3 – Community Mitigation Strategies

Objective 7C: Locate and create facilities capable of providing protection against likely hazards: Identify and construct optimal safe structures to protect against probable hazards							
7C1	Identify and prioritize hazards likely to occur with police, fire, medical, and other interested parties for access, safety, and protection	ISD 282	Staff hours: 10 hours annually	Short	In Progress	Low	1
7C2	Construct a shared, multi-season, multiple-use shelter to maximize safety from and resulting after severe weather, unwanted intruders, or other emergency situations affecting the community and school facilities, that will serve multiple-jurisdictional needs and be available and accessible for use by local cities and the general public community in case of emergency situations occurring either inside or outside Central Park including as a remote operations center for emergency services in case of failure of primary critical infrastructure.	ISD 282	\$1 million	1 Year	Delayed	Low	1, 5
Objective 7D: Prevent failure of control systems for water treatment facilities and municipal wells 3,4, & 5							
7D1	Upgrade SCADA System	ENG/PW	\$100,000	2 years	Complete	Low	1
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
8A1	Expand city communications capabilities to include multiple languages	EM/Communications	Nominal; use of existing capabilities Staff hours: 10 hours annually	Short	Delayed	Low	1
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
 Volume 3 – Community Mitigation Strategies

Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
9A1	Enhance Groundwater and well monitoring capabilities to ensure safe and adequate drinking water Levels	PW/ENG	\$50,000	Short	In Progress	Low	1
9A2	Work with Hennepin County EM to expand MESONET to a monitoring site located in the city of St Anthony	EM	Staff Time	Short/Me dium	In Progress	Low	1
9A3	Begin Climate Action Study and potential subsequent Climate Action Plan	Admin	Staff Time	Short	In Progress	Low	1
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
10A1	Expand 800 mhz Communication Capabilities of PW and Admin to ensure lines of communications in an emergency	EM/PW	\$250,000	Short	Delayed	2	1

Saint Anthony 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Connect all city facilities to City Hall along with security system cameras and access key cards: develop the ability to provide a secure environment both from an entry access and visual standpoint of all city facilities from a central location. Facilities include water treatment plant, well houses, city hall, fire station, public works, park shelters/warming houses and storage garage.	
Project Title/Action	1A1: Complete Fiber Optic Connections to all city facilities
Project Status	Anticipated completion date: 2026
Project Title/Action	1A2: Expand card system able to be controlled through one central secure location
Project Status	Anticipated completion date: 2026
Project Title/Action	1A3: Expand camera system able to be controlled through one central location
Project Status	Anticipated completion date: 2026
Responsible Agency	Eng./PW
OBJECTIVE: 1B: Provide traffic control upon signal failure: Obtain 50 temporary, portable stop signs	
Project Title/Action	1B1: Place reflective roll-up temporary stop signs with portable sign bases at all intersections with traffic signals as needed during a power outage
Project Status	Anticipated completion date: 2025
Project Title/Action	1C2: Provide neighboring municipalities with temporary stop signs by request during a power outage
Project Status	Anticipated completion date: 2025
Responsible Agency	PW
OBJECTIVE: 1C: Severe Weather/Tornado Occurrence: Develop safe policies, procedures, and facilities to reduce injuries and losses resulting from severe weather	
Project Title/Action	1C1: Annually review severe weather protocols and procedures with students, faculty, and staff
Project Status	Delayed
Project Title/Action	1C2: Publish and publicize procedures and plans for orderly and safe shelter of the community as a distribution center and resource
Project Status	Delayed
Project Title/Action	1C3: Develop facilities to serve community for emergency access for both summer and winter protection
Project Status	Delayed
Responsible Agency	ISD
OBJECTIVE: 1D: Dangerous Intruder Entry: Develop safe policies, procedures, and facilities to protect students, faculty, and staff in situations with dangerous intruders that have entered the campus	
Project Title/Action	1D1: Annually review emergency evacuation and protection protocols with faculty, staff, and emergency responders
Project Status	Anticipated completion date: 2025
Project Title/Action	1D2: Identify safe gathering and retreat locations protected as against intruders and unwanted campus entry
Project Status	Delayed
Project Title/Action	1D3: Develop facilities to serve as retreat locations for safety and security of students, faculty, and staff
Project Status	Delayed
Responsible Agency	EM/ISD 282

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OBJECTIVE: 1E: Destruction of primary emergency infrastructure and facilities: Develop contingency plans to ensure secure remote command center for local emergency responders in case of destruction or incapacity of primary facilities or infrastructure	
Project Title/Action	1E1: Annually review protocols and responsibility shifting if critical infrastructure fails with local stakeholders at school, city, county, state, and federal levels as necessary
Project Status	Delayed
Project Title/Action	1E2: Identify and construct contingency facilities capable of serving and supporting critical infrastructure upon failure of primary facilities
Project Status	Delayed
Responsible Agency	EM/ISD 282
OBJECTIVE: 1G: Prevent inflow and infiltration into sanitary sewer, prevent sanitary sewer system backups	
Project Title/Action	1G1: Replace sanitary sewer pipe, manholes, and service pipe. This allows the city to provide sanitary sewer capability and reduce the risk of sewer backups
Project Status	Anticipated completion date: 2037
Responsible Agency	Engineering
OBJECTIVE: 1H: Provide safe intersections for motorists and pedestrians	
Project Title/Action	1G1: Install battery backup systems at all signalized intersections
Project Status	Delayed
Responsible Agency	Eng./PW
OBJECTIVE: 1I: Increase fire flow capacity of water main, provide sufficient water to the public	
Project Title/Action	1H1: Replacement of water main pipe, hydrants, and service pipe
Project Status	Anticipated completion date: 2037
Project Title/Action	1H2: Complete utility interconnect at Roseville Water Connection
Project Status	Delayed
Responsible Agency	Engineering
OBJECTIVE: 2A: Protect the City's municipal water supply from contamination	
Project Title/Action	2A1: Continue implementation of wellhead protection plan document, public education, and outreach, and implement projects identified in wellhead protection plan
Project Status	On-Schedule
Responsible Agency	Eng./PW
OBJECTIVE: 4A: School Campus: Identify ongoing concerns and risks facing facilities and spaces and identify critical infrastructure	
Project Title/Action	4A1: Annually review procedures with interested persons including police, fire, medical regarding enhanced risks and concerns
Project Status	Delayed
Project Title/Action	4A2: Promulgate plans and contingencies to protect and support critical infrastructure and facilities
Project Status	Delayed
Project Title/Action	4A3: Identify and develop backup and support facilities and infrastructure in case of failure or emergency use
Project Status	Delayed
Responsible Agency	EM/ISD 282

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OBJECTIVE: 4B: Community Parks: Identify risks and issues preserving safety and security to users in parks and associated facilities shared by school district and city (LGUs)	
Project Title/Action	4B1: Annually review emergency protocols with emergency responders and critical school stakeholders.
Project Status	Anticipated completion date: 2026
Project Title/Action	4B2: identify and develop safe gathering and retreat locations protected as against hazards including natural disaster or man-made emergencies.
Project Status	Delayed
Responsible Agency	ISD/EM/LE/Fire
OBJECTIVE: 5A: Coordinate resources in shared environments: Review and discuss coordination of responses in shared facilities and spaces	
Project Title/Action	5A1: Determine line-of-command discussions and needs to alert protocol
Project Status	Delayed
Project Title/Action	5A2: Develop and enhance facilities to serve multiple jurisdictional needs and uses
Project Status	Delayed
Responsible Agency	EM/ISD 282
OBJECTIVE: 6A: Identify disaster-resistant components to new construction: In a fully developed community, determine design guidelines and facility needs required for Inclusion in construction and remodeling of existing facilities	
Project Title/Action	6A1: Identify best practices and procedures with police, fire, medical, and other interested parties for access, safety, and protection
Project Status	Delayed
Project Title/Action	6A2: Determine novel multi-use facilities capable to serve multiple jurisdictional needs and priorities
Project Status	Delayed
Responsible Agency	EM/ISD 282
OBJECTIVE: 7A: Increase the amounts of storm water removed from surface grade during rain events	
Project Title/Action	7A1: Replacement of undersized storm sewer piping; this action allows the city to increase the amount of rainwater removed that may cause flooding and aids in prevention of structural damage
Project Status	Delayed
Responsible Agency	Eng./PW
OBJECTIVE: 7B: Provide for emergency functions at City Hall and neighboring municipalities	
Project Title/Action	7B1: Purchase a portable trailer mounted 300k Generator
Project Status	Complete
Project Title/Action	7B2: Configure separate circuit(s) for emergency functions
Project Status	Complete
Project Title/Action	7B3: Provide neighboring municipalities the ability to use the portable trailer mounted generator during power outage
Project Status	Complete
Responsible Agency	PW

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OBJECTIVE: 7C: Locate and create facilities capable of providing protection against likely hazards: Identify and construct optimal safe structures to protect against probable hazards	
Project Title/Action	7C1: Identify and prioritize hazards likely to occur with police, fire, medical, and other interested parties for access, safety, and protection
Project Status	Anticipated completion date: 2026
Project Title/Action	7C2: Construct a shared, multi-season, multiple-use shelter to maximize safety from and resulting after severe weather, unwanted intruders, or other emergency situations affecting the community and school facilities, that will serve multiple-jurisdictional needs and be available and accessible for use by local cities and the general public community in case of emergency situations occurring either inside or outside Central Park including as a remote operations center for emergency services in case of failure of primary critical infrastructure.
Project Status	Delayed
Responsible Agency	ISD
OBJECTIVE: 7D: Prevent failure of control systems for water treatment facilities and municipal wells 3,4, & 5	
Project Title/Action	7D1: Upgrade SCADA System
Project Status	Complete
Summary of Project	Update; Redundant server is online, beginning in December 2023
Responsible Agency	Eng./PW

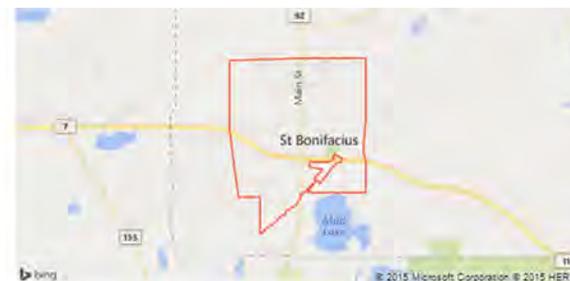
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3.3.41. CITY OF SAINT BONIFACIUS

Hennepin County - St. Bonifacius

The City of St. Bonifacius currently has its corporate boundaries surrounded by the City of Minnetrista. St. Bonifacius is close enough to Minneapolis and the first- and second-ring suburbs that many residents commute to jobs in those areas. The last five years have proven that infill development and redevelopment is a major source of real estate investment, and those opportunities are sure to benefit St. Bonifacius in the coming years assuming a continued strong economy. The City of St. Bonifacius is located 25 miles west of Minneapolis in the southwest corner of Hennepin County.

City Website: <https://ci.st-bonifacius.mn.us/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	1,956
H.S. Diploma or More - % of Adults 25+ (2022)	97.2%
Bachelor's Deg. or More - % of Adults 25+ (2022)	34.6%
Households (2022)	801
Total Housing Units (2022)	856
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	1.4%

Latitude/Longitude: 44.903539, -93.7477605
 Area: 1.06 sq. miles
 Area - Land only: 1.06 sq. miles (100%)
 Area - Water only: 0.00 sq. miles (0%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 7

Mitigation Priority 1 (7A1)

 - Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
- 2

Mitigation Priority 2 (2A1)

 - Increase awareness and knowledge of hazard mitigation principles and practices
- 3

Mitigation Priority 3 (3A1)

 - Work with the local watersheds to continue to protect our lakes and streams for future water quality

Vulnerability

- Monticello NPP: 28 Miles

Capability

- Law Enforcement Minnetrista
- Fire Department
- CERT Program
- Police Chaplains Group
- FCC Registered Amateur Radio Licenses: 1

Corporate/Employer

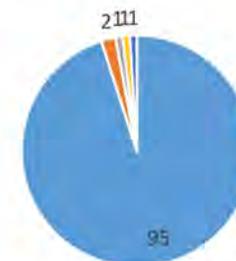
- Crown College

6MAY1965- A category F4 tornado (wind Speeds of 207-260 mph) touched down 4.6 miles from the city center killing 3 and injuring 175 people causing 5-50 million in damages

School District

- 110 Waconia

Language



English Spanish German
 Russian French

https://apps.mla.org/map_data

2024 Saint Bonifacius Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Review and update policies that discourage growth in flood-prone areas	City of St. Bonifacius	Staff Time	Ongoing	Ongoing	Low	1
1A2	Continue to participate in the National Flood Insurance Program	City of St. Bonifacius	Staff Time	Ongoing	Ongoing	Low	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Work with local agencies to promote hazard mitigation in local community							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Increase awareness and knowledge of hazard mitigation principles and practices	City of St. Bonifacius	Staff Time	Ongoing	Ongoing	2	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Establish Multi-Jurisdictional partnership to reduce runoff							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Work with the local watersheds to continue to protect our lakes and streams for future water quality	City of St. Bonifacius	Cost for construction of holding ponds Design Construction	Ongoing	Ongoing	3	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A							
Action	Action	Action	Action	Action	Action	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Wellhead Protection Plan							

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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Continue to meet the State and Federal regulations with the protection plan	City of St. Bonifacius	Staff Time	Ongoing	Ongoing	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A							
Action	Action	Action	Action	Action	Action	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury Power Lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas	City of St. Bonifacius	Plans Construction	Ongoing	Too Cost Prohibitive	1	1, 4, 5
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Saint Bonifacius 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding	
Project Title/Action	1A1: Review and update policies that discourage growth in flood-prone areas
Project Status	In-Progress
Responsible Agency	City of St. Bonifacius
Project Title/Action	1A2: Continue to participate in the National Flood Insurance Program
Project Status	Ongoing
Responsible Agency	City of St. Bonifacius
OBJECTIVE: 2A: Work with local agencies to promote hazard mitigation in local community	
Project Title/Action	2A1: Increase awareness and knowledge of hazard mitigation principles and practices
Project Status	Ongoing
Summary of Project	Administration, Police Department
Responsible Agency	City of St. Bonifacius
OBJECTIVE: 3A: Establish Multi-Jurisdictional partnership to reduce runoff	
Project Title/Action	3A1: Work with the local watersheds to continue to protect our lakes and streams for future water quality
Project Status	Ongoing
Summary of Project	Public Works Department, Watershed Districts
Responsible Agency	City of St. Bonifacius
OBJECTIVE: 5A: Wellhead Protection Plan	
Project Title/Action	5A1: Continue to meet the State and Federal regulations with the protection plan
Project Status	Ongoing
Summary of Project	Public Works, Planning Department
Responsible Agency	City of St. Bonifacius
OBJECTIVE: 7A: Bury Power Lines	
Project Title/Action	7A1: Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
Project Status	In-Progress
Responsible Agency	City of St. Bonifacius

3.3.42. CITY OF SAINT LOUIS PARK

Hennepin County - St. Louis Park

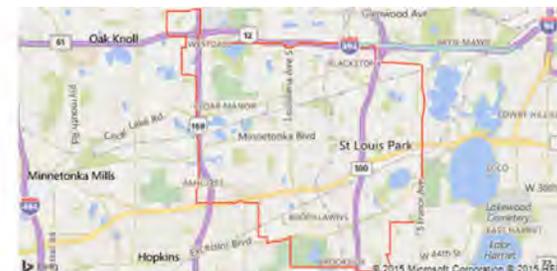
St. Louis Park is a “first-ring” city located immediately west of Minneapolis. The 1860s village that became St. Louis Park was originally known as Elmwood, which today is a neighborhood inside the city. St. Louis Park was incorporated into the Village of St. Louis Park on November 19, 1886. The name St. Louis Park was derived from the Minneapolis and St. Louis Railway that ran through the area. Interstate 394, U.S. Route 169, and State Highways 7 and 100 are the four main transportation routes in the city.

Population density: 4,593 people per square mile (average).

Tornado activity: St. Louis Park-area historical tornado activity is slightly above Minnesota state average. It is 30% greater than the overall U.S. average.

Earthquake activity: St. Louis Park-area historical earthquake activity is significantly above Minnesota state average. It is 55% smaller than the overall U.S. average.

City Website: <https://www.stlouisparkmn.gov/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	49,500
H.S. Diploma or More - % of Adults 25+ (2022)	97.4%
Bachelor's Deg. or More - % of Adults 25+ (2022)	82.8%
Households (2022)	24,098
Total Housing Units (2022)	25,117
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.1%

Latitude/Longitude: 44.9490655, -93.369591
 Area: 10.84 sq. miles
 Area - Land only: 10.62 sq. miles (98%)
 Area - Water only: 0.22 sq. miles (2%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 1** Mitigation Priority 1
 - Improve storm water management planning.
- 1** Mitigation Priority 2
 - Adopt policies to reduce storm water runoff
- 1** Mitigation Priority 3
 - Coordinate with Minnehaha Watershed

Social Media:

Facebook: <https://www.facebook.com/stlouispark>

Twitter: <https://twitter.com/stlouispark>

Vulnerability

- Monticello NPP: 32 Miles
- Functional Needs: 754
- Bridges: 69

Capability

- Law Enforcement
- Fire Department
- Parks and Recreation
- Public Works
- FCC Registered Amateur Radio Licenses: 5

Corporate/Employer

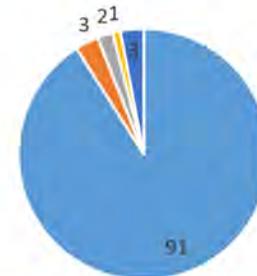
- Park Nicollet- 4500
- Japs Olson Printing- 600
- Travelers Express- 450
- Novartis- 400
- Benilde St. Margaret's School- 200

School District

- 283 St. Louis Park

6MAY1965- A category F4 tornado (max wind Speeds 207-260 mph) touched down 2.5 miles from the city center killing 6 and injuring 158 causing 5-50 million dollars in damage

Language



English Spanish Russian German Others

https://apps.mla.org/map_data

<https://www.city-data.com/city/St.-Louis-Park-Minnesota.html>

2024 Saint Louis Park Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Spring thaw and water bodies rising							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Improve storm water management planning	Emergency Management	Personnel Time	Complete	Complete	1	1
1A2	Adopt policies to reduce storm water runoff	Emergency Management	Personnel Time	Cancelled	Cancelled	2	1
1A3	Coordinate with Minnehaha Watershed	Emergency Management	Personnel Time	Ongoing	Ongoing	3	1
Objective 1B: Short term flooding from torrential rain							
1B1	Improve storm water management planning	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
1B2	Adopt policies to reduce storm water runoff	Emergency Management	Personnel Time	1 Year	Delayed	Low	1
1B3	Coordinate with Minnehaha Watershed	Emergency Management	Personnel Time	Complete	Complete	Low	1
Objective 1C: Unusual snow event							
1C1	Adopt and enforce building codes	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
1C2	Protect buildings and infrastructure	Emergency Management	Personnel Time	Complete	Complete	Low	1
1C3	Protect power lines	Emergency Management	Personnel Time	Complete	Complete	Low	1
1C4	Reduce impact to roadways	Emergency Management	Personnel Time	Complete	Complete	Low	1
Objective 1D: Wind/Tornados							
1D1	Encourage safe rooms	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
1D2	Require wind resistant building techniques	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
1D3	Protect power lines	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
Objective 1E: Evacuation routes rail or hazardous materials							
1E1	Assess community risk	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
Objective 1F: Vulnerable populations							
1F1	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
1F2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1

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1F3	Assist vulnerable populations	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
Objective 1G: Severe cold, closed schools, impact on infrastructure							
1G1	Reduce the effects of the urban heat island effect	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
1G2	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
1G3	Educate property owners on cold weather preparations	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
Objective 1H: Severe hot weather							
1H1	Reduce urban heat island effect	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
1H2	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
1H3	Manage cooling centers	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
Objective 1I: Lightning strikes							
1I1	Protect critical infrastructure	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
Objective 1J: Wild land urban interface							
1J1	Educate on the importance of maintaining debris and fuel loads close to structures	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
Objective 1K: Train derailment/crude oil, ethanol, or other hazardous materials							
1K1	Improve communications between rail companies and responders	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
1K2	Train for response and evacuation	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
1K3	Educate stakeholders in high-risk areas	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Public outreach – rail corridor							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
2A2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
2A3	Assist vulnerable populations	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1

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2A4	Integrate mitigation into local planning	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
Objective 2B: Evacuation routes rail and hazardous materials							
2B1	Protect infrastructure and critical facilities	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2B2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2B3	Improve household disaster preparedness	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
Objective 2C: Wind/Tornados							
2C1	Conduct tornado awareness activities	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2C2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
2C3	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
Objective 2D: Power grid down interruption: address heat and cold conditions							
2D1	Protect infrastructure and critical facilities	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2D2	Reduce urban heat island effect	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2D3	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2D4	Protect power lines	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2D5	Assess back-up generator capacity	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
2D6	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
Objective 2E: Vulnerable populations, lack of resiliency							
2E1	Improve household disaster preparedness	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
2E2	Increase hazard education and awareness	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
2E3	Assist vulnerable populations	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
2E4	Assess vulnerable populations	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
Objective 2F: Warning notifications							
2F1	Assess community risk	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1

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2F2	Assist vulnerable populations	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
2F3	Increase education and risk awareness	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
Objective 2G: Severe cold, close school, impact on infrastructure							
2G1	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2G2	Increase hazard education	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
Objective 2H: Severe hot weather							
2H1	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2H2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2H3	Improve household disaster preparedness	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2H4	Assess cooling centers	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
Objective 2I: Lightning strikes							
2I1	Conduct lightning awareness programs	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2I2	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2I3	Improve household disaster preparedness	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
Objective 2J: Unusual snow event							
2J1	Conduct winter weather risk awareness activities	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2J2	Increase awareness of extreme temperature risk and safety	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2J3	Increase hazard education and risk awareness	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
2J4	Improve household disaster preparedness	Emergency Management	Personnel Time	Cancelled	Cancelled	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

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None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Security of water supply							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Protect infrastructure and critical facilities	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
Objective 4B: Power grid down/interruption; address heat and cold issues							
4B1	-		Personnel Time	Ongoing	Ongoing	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Evacuation routes rail-hazardous materials							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Assess community risk	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
5A2	Map community risk	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
5A3	Adopt development regulations in hazard areas	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
5A4	Limit density in hazard areas	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
5A5	Protect structures	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
5A6	Protect infrastructure and critical facilities	Emergency Management	Personnel Time	Ongoing	Ongoing	Low	1
Objective 5B: Major city events and their impact on planning							
5B1	Assess community risk	Emergency Management	Personnel Time	Complete	Complete	Low	1
5B2	Map community risk	Emergency Management	Personnel Time	Complete	Complete	Low	1
5B3	Protect infrastructure and critical facilities	Emergency Management	Personnel Time	Complete	Complete	Low	1
Objective 5C: Civil disturbance							
5C1	Assess community risk	Emergency Management	Personnel Time	Complete	Complete	Low	1
5C2	Map community risk	Emergency Management	Personnel Time	Complete	Complete	Low	1
5C3	Protect critical infrastructure and critical facilities	Emergency Management	Personnel Time	Complete	Complete	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							

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Objective 6A: Require fire sprinklers in all new construction							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Increase education and risk awareness	Emergency Management	Personnel Time	Complete	Complete	Low	1
6A2	Improve household disaster preparedness	Emergency Management	Personnel Time	Complete	Complete	Low	1
6A3	Assess community risk	Emergency Management	Personnel Time	Complete	Complete	Low	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Saint Louis Park 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Spring thaw and water bodies rising	
Project Title/Action	1A1: Improve storm water management planning
Project Status	Complete
Project Title/Action	1A2: Adopt policies to reduce storm water runoff
Project Status	Cancelled
Project Title/Action	1A3: Coordinate with Minnehaha Watershed
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 1B: Short term flooding from torrential rains	
Project Title/Action	1B1: Improve storm water management planning
Project Status	Ongoing
Project Title/Action	1B2: Adopt policies to reduce storm water runoff
Project Status	Delayed
Project Title/Action	1B3: Coordinate with Minnehaha Watershed
Project Status	Complete
Responsible Agency	Emergency Management
OBJECTIVE: 1C: Unusual snow event	
Project Title/Action	1C1: Adopt and enforce building codes
Project Status	Cancelled
Project Title/Action	1C2: Protect buildings and infrastructure
Project Status	Complete
Project Title/Action	1C3: Protect power lines
Project Status	Complete
Project Title/Action	1C4: Reduce impacts to roadways
Project Status	Complete
Responsible Agency	Emergency Management
OBJECTIVE: 1D: Wind/Tornados	
Project Title/Action	1D1: Encourage safe rooms
Project Status	Cancelled
Project Title/Action	1D2: Require wind resistant building techniques
Project Status	Cancelled
Project Title/Action	1D3: Protect power lines
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 1E: Evacuation routes rail or hazardous materials	
Project Title/Action	1E1: Assess community risk
Project Status	Cancelled
Responsible Agency	Emergency Management
OBJECTIVE: 1F: Vulnerable Populations	
Project Title/Action	1F1: Improve household disaster preparedness
Project Status	Ongoing
Project Title/Action	1F2: Increase hazard education and risk awareness
Project Status	Ongoing
Project Title/Action	1F3: Assist vulnerable populations
Project Status	Ongoing

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Responsible Agency	Emergency Management
OBJECTIVE: 1G: Severe cold, close schools, impact on infrastructure	
Project Title/Action	1G1: Reduce the effects of the urban heat island effect
Project Status	Cancelled
Project Title/Action	1G2: Increase awareness of extreme temperature risk and safety
Project Status	Cancelled
Project Title/Action	1G3: Educate property owners on cold weather preparations
Project Status	Cancelled
Responsible Agency	Emergency Management
OBJECTIVE: 1H: Severe hot weather	
Project Title/Action	1H1: Reduce urban heat island effect
Project Status	Cancelled
Project Title/Action	1H2: Increase awareness of extreme temperature risk and safety
Project Status	Ongoing
Project Title/Action	1H3: Manage cooling centers
Project Status	Cancelled
Responsible Agency	Emergency Management
OBJECTIVE: 1I: Lightning Strikes	
Project Title/Action	1I1: Protect critical infrastructure
Project Status	Cancelled
Responsible Agency	Emergency Management
OBJECTIVE: 1J: Wild land urban interface	
Project Title/Action	1J1: Educate on the importance of maintaining debris and fuel loads close to structures
Project Status	Cancelled
Responsible Agency	Emergency Management
OBJECTIVE: 1K: Train derailment/crude oil, ethanol, or other hazardous materials	
Project Title/Action	1K1: Improve communications between rail companies and responders
Project Status	Cancelled
Project Title/Action	1K2: Train for response and evacuation
Project Status	Ongoing
Project Title/Action	1K3: Educate stakeholders in high-risk areas
Project Status	Cancelled
Responsible Agency	Emergency Management
OBJECTIVE: 2A: Public outreach -rail corridor	
Project Title/Action	2A1: Improve household disaster preparedness
Project Status	Ongoing
Project Title/Action	2A2: Increase hazard education and risk awareness
Project Status	Ongoing
Project Title/Action	2A3: Assist vulnerable populations
Project Status	Ongoing
Project Title/Action	2A4: Integrate mitigation into local planning
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 2B: Evacuation routes rail and Hazardous materials	
Project Title/Action	2B1: Protect infrastructure and critical facilities

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Project Status	Cancelled
Project Title/Action	2B2: Increase hazard education and risk awareness
Project Status	Cancelled
Project Title/Action	2B3: Improve household disaster preparedness
Project Status	Cancelled
Responsible Agency	Emergency Management
OBJECTIVE: 2C: Wind/Tornado	
Project Title/Action	2C1: Conduct tornado awareness activities
Project Status	Cancelled
Project Title/Action	2C2: Increase hazard education and risk awareness
Project Status	Ongoing
Project Title/Action	2C3: Improve household disaster preparedness
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 2D: Power grid down interruption: address heat and cold conditions	
Project Title/Action	2D1: Protect infrastructure and critical facilities
Project Status	Cancelled
Project Title/Action	2D2: Reduce urban heat island effect
Project Status	Cancelled
Project Title/Action	2D3: Increase awareness of extreme temperature risk and safety
Project Status	Cancelled
Project Title/Action	2D4: Protect power lines
Project Status	Cancelled
Project Title/Action	2D5: Assess back-up generator capacity
Project Status	Complete
Project Title/Action	2D6: Improve household disaster preparedness
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 2E: Vulnerable populations, lack of resiliency	
Project Title/Action	2E1: Improve household disaster preparedness
Project Status	Ongoing
Project Title/Action	2E2: Increase hazard education and awareness
Project Status	Ongoing
Project Title/Action	2E3: Assist vulnerable populations
Project Status	Ongoing
Project Title/Action	2E4: Assess vulnerable populations
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 2F: Warning notifications	
Project Title/Action	2F1: Assess community risk
Project Status	Ongoing
Project Title/Action	2F2: Assist vulnerable populations
Project Status	Ongoing
Project Title/Action	2F3: Increase education and risk awareness
Project Status	Ongoing
Responsible Agency	Emergency Management

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OBJECTIVE: 2G: Severe cold; close schools, impact on infrastructure	
Project Title/Action	2G1: Increase awareness of extreme Temperature risk and safety
Project Status	Cancelled
Project Title/Action	2G2: Increase hazard education
Project Status	Cancelled
Responsible Agency	Emergency Management
OBJECTIVE: 2H: Severe hot weather	
Project Title/Action	2H1: Increase awareness of extreme temperature risk and safety
Project Status	Cancelled
Project Title/Action	2H2: Increase hazard education and risk awareness
Project Status	Cancelled
Project Title/Action	2H3: Improve household disaster preparedness
Project Status	Cancelled
Project Title/Action	2H4: Assess cooling centers
Project Status	Cancelled
Responsible Agency	Emergency Management
OBJECTIVE: 2I: Lightning strikes	
Project Title/Action	2I1: Conduct lighting awareness programs
Project Status	Cancelled
Project Title/Action	2I2: Increase hazard education and risk awareness
Project Status	Cancelled
Project Title/Action	2I3: Improve household disaster preparedness
Project Status	Cancelled
Responsible Agency	Emergency Management
OBJECTIVE: 2J: Unusual snow event	
Project Title/Action	2J1: Conduct winter weather risk awareness activities
Project Status	Cancelled
Project Title/Action	2J2: Increase awareness of extreme temperature risk and safety
Project Status	Cancelled
Project Title/Action	2J3: Increase hazard education and risk awareness
Project Status	Cancelled
Project Title/Action	2J4: Improve household disaster preparedness
Project Status	Cancelled
Responsible Agency	Emergency Management
OBJECTIVE: 4A: Security of water supply	
Project Title/Action	4A1: Protect infrastructure and critical facilities
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 4B: Power grid down/interruption; address heat and cold issues	
Project Title/Action	4B1:
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 5A: Evacuation routes rail-hazardous materials	
Project Title/Action	5A1: Assess community risk
Project Status	Ongoing
Project Title/Action	5A2: Map community risk

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Project Status	Ongoing
Project Title/Action	5A3: Adopt development regulations in hazard areas
Project Status	Ongoing
Project Title/Action	5A4: Limit density in hazard areas
Project Status	Ongoing
Project Title/Action	5A5: Protect structures
Project Status	Ongoing
Project Title/Action	5A6: Protect infrastructure and critical facilities
Project Status	Ongoing
Responsible Agency	Emergency Management
OBJECTIVE: 5B: Major city events and their impact on planning	
Project Title/Action	5B1: Assess community risk
Project Status	Complete
Project Title/Action	5B2: Map community risk
Project Status	Complete
Project Title/Action	5B3: Protect infrastructure and critical facilities
Project Status	Complete
Responsible Agency	Emergency Management
OBJECTIVE: 5C: Civil disturbance	
Project Title/Action	5C1: Assess community risk
Project Status	Complete
Project Title/Action	5C2: Map community risk
Project Status	Complete
Project Title/Action	5C3: Protect critical infrastructure and critical facilities
Project Status	Complete
Responsible Agency	Emergency Management
OBJECTIVE: 6A: Require fire sprinklers in all new construction	
Project Title/Action	6A1: Increase education and risk awareness
Project Status	Complete
Project Title/Action	6A2: Improve household disaster preparedness
Project Status	Complete
Project Title/Action	6A3: Assess community risk
Project Status	Complete
Responsible Agency	Emergency Management

3.3.43. CITY OF SHOREWOOD

Hennepin County - Shorewood

The City of Shorewood, once a part of Excelsior Township, was organized as a Village in 1956 and became a statutory city in 1974. The City sits on the shores of Lake Minnetonka and also somewhat surrounds the city of Excelsior. Minnesota State Highway 7 serves as the main transportation route to the city. Three islands—Enchanted, Shady and Spray—are included as part of Shorewood. Due to their access, these islands receive postal service, fire protection and educational services from the Mound area. Shorewood remains primarily residential, although there are now several businesses scattered throughout its boundaries.

Population density: 1,455 people per square mile (low).

Tornado activity: Shorewood-area historical tornado activity is slightly above Minnesota state average. It is 30% greater than the overall U.S. average.

Earthquake activity: Shorewood-area historical earthquake activity is significantly above Minnesota state average. It is 53% smaller than the overall U.S. average.

City Website: <https://ci.shorewood.mn.us/>



<https://www.statsamerica.org/town/>



People & Housing	
Population Estimate (2022)	7,722
H.S. Diploma or More - % of Adults 25+ (2022)	99.0%
Bachelor's Deg. or More - % of Adults 25+ (2022)	72.0%
Households (2022)	2,926
Total Housing Units (2022)	3,009
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	1.2%

Latitude/Longitude: 44.9302645, -93.573816
 Area: 13.33 sq. miles
 Area - Land only: 5.34 sq. miles (40%)
 Area - Water only: 7.99 sq. miles (60%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 6** Mitigation Priority 1 (6B1)
 - Include language in building code recommending buried power lines
- 2** Mitigation Priority 2 (2A1)
 - Achieve certification in the National Weather Service Storm Ready Program
- 2** Mitigation Priority 3 (2B1)
 - Host annual severe weather awareness courses

Vulnerability

- Monticello NPP: 30 Miles
- Functional Needs: 4
- Bridges: 1

Corporate/Employer

Capability

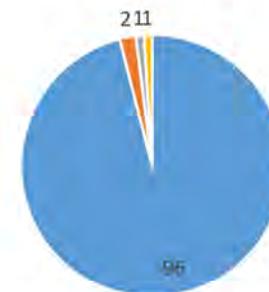
- Fire Department- Excelsior and Mound
- Law Enforcement- South Lake Minnetonka
- Police Chaplains Group
- Park and Recreation
- Family Support Services
- Facebook/Twitter
- FCC Registered Amateur Radio Licenses: 23

School District

- 276 Minnetonka

Social Media:
 Facebook
 X (Twitter)
 Nextdoor
 Instagram

Language



■ English ■ Spanish ■ German ■ French

<https://www.city-data.com/city/Shorewood-Minnesota.html>

2024 Shorewood Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Achieve certification in the National Weather Service Storm Ready Program							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Achieve certification in the National Weather Service Storm Ready Program	SLMPD	Staff Time	3 Years	Ongoing	2	1
Objective 2B: Improve citizens understanding of available communications for notification of severe weather warnings.							
2B1	Host annual severe weather awareness courses	SLMPD	Staff Time	Ongoing	Ongoing	3	1
2B2	Host annual Skywarn course for local citizens and first responders	SLMPD	Staff Time	Ongoing	Ongoing	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Monitor Burlington Northern Railway Blue Line Construction Project							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

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Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A: Ensure building code compliance and inspections are conducted on new construction projects							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
6A1	Design and implement checklists with timelines for all new projects	Inspections	Staff Time	Ongoing	Ongoing	Low	1
Objective 6B: Encourage new or existing power lines to be buried for the reduction of future power outages							
6B1	Include language in building code recommending buried power lines	Planning	Staff Time	Ongoing	Ongoing	1	1
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Shorewood 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 2A: Achieve certification in the National Weather Service Storm Ready Program	
Project Title/Action	2A1: Achieve certification in the National Weather Service Storm Ready Program
Project Status	Ongoing
Responsible Agency	SLMPD
OBJECTIVE: 2B: Improve citizens understanding of available communications for notification of severe weather warnings	
Project Title/Action	2B1: Host annual severe weather awareness courses
Project Status	Ongoing
Project Title/Action	2B2: Host annual Skywarn course for local citizens and first responders
Project Status	Ongoing
Responsible Agency	SLMPD
OBJECTIVE: 6A: Ensure building code compliance and inspections are conducted on new construction projects	
Project Title/Action	6A1: Design and implement checklists with timelines for all new projects
Project Status	Ongoing
Responsible Agency	Inspections
OBJECTIVE: 6B: Encourage new or existing power lines to be buried for the reduction of future power outages	
Project Title/Action	6B1: Include language in building code recommending buried power lines
Project Status	Ongoing
Responsible Agency	Planning

3.3.44. CITY OF SPRING PARK

Hennepin County - Spring Park

Spring Park is unique in that the two largest sides of the City are on Lake Minnetonka lake shore fronting Spring Park Bay, West Arm and Black Lake. There are approximately 22,900 feet of shoreline (4.34 miles) in Spring Park. There are two parks in the City. Wilkes Park is located on Channel Road and Thor Thompson is located on Sunset Drive.

Presently, the City maintains 1.5 miles of City roads with the county maintaining 1.9 miles of road. Approximately 5.3 miles of water and sewer lines exist serving every parcel of land within the City.

The City employs three full-time employees and contracts most major services. The Orono Police Department and the Mound Fire Department service Spring Park. Also contracted are engineering, planning, public works, attorney, accounting, assessing, building inspection and snowplow services.

City Website: <https://www.ci.spring-park.mn.us/>



<https://www.statsamerica.org/town/>



People & Housing	
Population Estimate (2022)	1,919
H.S. Diploma or More - % of Adults 25+ (2022)	93.7%
Bachelor's Deg. or More - % of Adults 25+ (2022)	29.2%
Households (2022)	1,220
Total Housing Units (2022)	1,296
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	0.0%

Latitude/Longitude: 44.937347, -93.6304325
 Area: 0.61 sq. miles
 Area - Land only: 0.36 sq. miles (58%)
 Area - Water only: 0.26 sq. miles (42%)

Hazard Mitigation Project Goal Priority Ranking Aid

7 Mitigation P1- (7A1)
 • Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas

3 Mitigation P2- (3A1)
 • Work with the local watersheds to continue to protect our lakes and streams for future water quality

5 Mitigation P3- (5A1)
 • Continue to meet the State and Federal regulations with the protection plan

Vulnerability

- Bridges 3
- Functional Needs 373
- Monticello NPP: 27 miles

Corporate/Employer

Capability

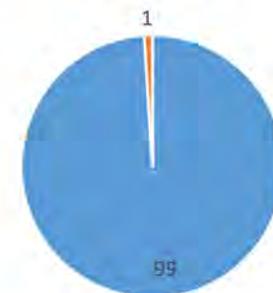
- Water Supply
- Law Enforcement- Orono
- Police Chaplains Group
- Fire
- Park and Recreation
- Solid Waste
- 1 FCC registered amateur radio license

School District

- 277 Westonka

Social Media: <https://www.facebook.com/SpringParkMN/>

Language



■ English ■ Spanish

https://apps.mla.org/map_data

2024 Spring Park Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding							
Action Item	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Review and update policies that discourage growth in flood-prone areas	City of Orono	Staff Time	2024-2028	Ongoing	5	1
1A2	Continue to participate in the National Flood Insurance Program	City of Orono	Staff Time	2024-2028	Ongoing	4	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community							
Action Item	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Increase awareness and knowledge of hazard mitigation principles and practices	City of Orono	Staff Time	2024-2028	Ongoing	6	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A: Establish Multi-jurisdictional partnership to reduce runoff							
Action Item	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
3A1	Work with the local watersheds to continue to protect our lakes and streams for future water quality	City of Orono	20K	2024-2028	Ongoing	2	1
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A:							
Action Item	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A: Wellhead Protection Plan							
Action Item	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Continue to meet the State and Federal regulations with the protection plan	City of Orono	Staff Time	2024-2028	Ongoing	3	1

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Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action Item	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury Power Lines							
Action Item	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas	City of Orono	100K	2024-2028	Ongoing	1	1, 4, 5
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action Item	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action Item	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action Item	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Spring Park 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Flooding: Develop a comprehensive approach to reducing the possibility of damage and losses due to flooding	
Project Title/Action	1A1: Review and update policies that discourage growth in flood-prone areas
Project Status	Ongoing
Project Title/Action	1A2: Continue to participate in the National Flood Insurance Program
Project Status	Ongoing
Responsible Agency	City of Orono
OBJECTIVE: 2A: Work with Chamber of Commerce, businesses, and other local agencies to promote hazard mitigation in local community	
Project Title/Action	2A1: Increase awareness and knowledge of hazard mitigation principles and practices
Project Status	Ongoing
Responsible Agency	City of Orono
OBJECTIVE: 3A: Establish Multi-Jurisdictional partnership to reduce runoff	
Project Title/Action	3A1: Work with the local watersheds to continue to protect our lakes and streams for future water quality
Project Status	Ongoing
Responsible Agency	City of Spring Park
OBJECTIVE: 5A: Wellhead Protection Plan	
Project Title/Action	5A1: Continue to meet the State and Federal regulations with the protection plan
Project Status	Ongoing
Responsible Agency	City of Spring Park
OBJECTIVE: 7A: Bury Power Lines	
Project Title/Action	7A1: Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
Project Status	Ongoing
Responsible Agency	City of Spring Park

3.3.45. CITY OF TONKA BAY

Hennepin County - Tonka Bay

Tonka Bay was incorporated as a village on September 11, 1901. The city, which has an area of about one square mile, is located between the upper and lower bodies of Lake Minnetonka. It has more Minnetonka shoreline than any other city of its size. Tonka Bay made history long before 1901. In 1853, Peter Gideon staked out a claim of 160 acres in what is now Tonka Bay and where Gideon's Bay still bears his name. Gideon successfully propagated his first apples, "The Wealthy," named for his wife, before he died in 1899. There are two capital improvement projects taking place in 2023- the Manitou Road Watermain Replacement Project and the Street and Utility Improvements Project

City Website: <https://www.cityoftonkabay.net/>



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	1,462
H.S. Diploma or More - % of Adults 25+ (2022)	99.3%
Bachelor's Deg. or More - % of Adults 25+ (2022)	60.3%
Households (2022)	613
Total Housing Units (2022)	655
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	1.2%



Latitude/Longitude: 44.9146405, -93.587792

Area: 0.99 sq. miles
Area - Land only: 0.93 sq. miles (94%)
Area - Water only: 0.06 sq. miles (6%)

Hazard Mitigation Project Goal Priority Ranking Aid

- 4** Mitigation Priority 1 (4A5)
 - Elevate Sunrise Avenue due to continual flooding
- 1** Mitigation Priority 2 (1A1)
 - Encourage new or existing power lines to be buried for the reduction of future power outages
- 4** Mitigation Priority 3 (4A6)
 - Elevate power supply/transformer above last known flood level along Woodpecker Ridge Road

Vulnerability

- Monticello NPP: 29 Miles

Corporate/Employer

- Tonka Bay Marina
- The Caribbean Marina
- Country Club Lanes

Capability

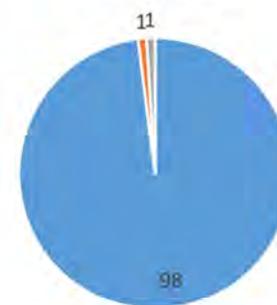
- Fire Department- Excelsior
- Law Enforcement- South Lake Minnetonka
- Police Chaplains Group
- FCC Registered Amateur Radio Licenses: 1
- Public Works

School District

- 276 Minnetonka

Social Media:
Facebook: <https://www.facebook.com/CityofTonkaBay/>

Language



■ English ■ Spanish ■ German
https://apps.mla.org/map_data

2024 Tonka Bay Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Reduce future losses to power lines due to severe storms							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Encourage new or existing power lines to be buried for the reduction of future power outages	PW	Staff Time	Ongoing	Ongoing	2	1
Objective 1B: Reduce future losses to Lift Stations during storms							
1B1	Repair /reline all of Lift Station #7's lines	PW	15,000	2-5 yrs.	Ongoing	Low	1, 4, 5
1B2	Reduce future flooding around Lift Station #9 by elevating the grade	PW	5,000	2-5 yrs.	Ongoing	Low	1, 4, 5
1B3	Elevate land around Lift Station #1 & #2 above last known flood level near Woodpecker Ridge Road.	PW	9,000	2-5 yrs.	Ongoing	Low	1, 4, 5
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Achieve certification in the National Weather Service Storm Ready Program							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Achieve certification in the National Weather Service Storm Ready Program	SLMPD	Staff Time	3 Years	Delayed	2	1
Objective 2B: Improve citizens understanding of available communications for notification of severe weather warnings							
2B1	Host annual severe weather awareness courses.	SLMPD	Staff Time	Ongoing	Ongoing	3	1
2B2	Host annual Skywarn course for local citizens and first responders	SLMPD	Staff Time	Ongoing	Ongoing	4	1
Objective 2C: Reduce the impact of flooding on private and public structures							
2C1	Encourage participation in the National Flood Insurance Program (NFIP)	PW	NA	Ongoing	Ongoing	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Reduce future losses due to flooding							

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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Extend Woodpecker Ridge Road on the south end to prevent flood water from getting into sewer manhole	PW	25,000	2-5 yrs.	Ongoing	Low	1, 4, 5
4A2	Elevate West Point Road & west Point Drive above last known flood level.	PW	55,000	2-5 yrs.	Ongoing	Low	1, 4, 5
4A3	Elevate crabapple Lane to the last known flood level	PW	15,000	2-5 yrs.	Ongoing	Low	1, 4, 5
4A4	Build a berm along Woodpecker Ridge Road due to continual flooding	PW	8,000	2-5 yrs.	Ongoing	Low	1, 4, 5
4A5	Elevate Sunrise Avenue due to continual flooding	PW	20,000	2-5 yrs.	Ongoing	1	1, 4, 5
4A6	Elevate power supply/transformer above last known flood level along Woodpecker Ridge Road	PW	5,000	2-5 yrs.	Ongoing	3	1, 4, 5
4A7	Identify and mitigate future sinkholes along Pleasant Park Road	PW	9,000	2-5 yrs.	Ongoing	Low	1
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources

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None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Tonka Bay 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Reduce future losses to power lines due to severe storms	
Project Title/Action	1A1: Encourage new or existing power lines to be buried for the reduction of future power outages
Project Status	Ongoing
Responsible Agency	PW
OBJECTIVE: 1B: Reduce future losses to Lift Station during storms	
Project Title/Action	1B1: Repair/reline all of Lift Station #7's lines
Project Status	Ongoing
Project Title/Action	1B2: Reduce future flooding around Lift Station #9 by elevating the grade
Project Status	Ongoing
Project Title/Action	1B3: Elevate land around Lift Station #1 & #2 above last known flood level near Woodpecker Ridge Road
Project Status	Ongoing
Responsible Agency	PW
OBJECTIVE: 2A: Achieve certification in the National Weather Service Storm Ready Program	
Project Title/Action	2A1: Achieve certification in the National Weather Service Storm Ready Program
Project Status	Delayed
Responsible Agency	SLMPD
OBJECTIVE: 2B: Improve citizens understanding of available communications for notification of severe weather warnings	
Project Title/Action	2B1: Host annual severe weather awareness courses
Project Status	Ongoing
Project Title/Action	2B2: Host annual Skywarn course for local citizens and first responders
Project Status	Ongoing
Responsible Agency	SLMPD
OBJECTIVE: 2C: Reduce the impact of flooding on private and public structures	
Project Title/Action	2C1: Encourage participation in the National Flood Insurance Program (NFIP)
Project Status	Ongoing
Responsible Agency	PW
OBJECTIVE: 4A: Reduce future losses due to flooding	
Project Title/Action	4A1: Extend Woodpecker Ridge Road on the south end to prevent flood water from getting into sewer manhole
Project Status	Ongoing
Project Title/Action	4A2: Elevate West Point Road & West Point Drive above last known flood level
Project Status	Ongoing
Project Title/Action	4A3: elevate Crabapple Lane to the last known flood level
Project Status	Ongoing
Project Title/Action	4A4: Build a berm along Woodpecker Ridge Road due to continual flooding
Project Status	Ongoing
Project Title/Action	4A5: Elevate Sunrise Avenue due to continual flooding
Project Status	Ongoing

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Project Title/Action	4A6: Elevate power supply/transformer above last known flood level along Woodpecker Ridge Road
Project Status	Ongoing
Project Title/Action	4A7: Identify and mitigate future sinkholes along Pleasant Park Road
Project Status	Ongoing
Responsible Agency	PW

3.3.46. CITY OF WAYZATA

Hennepin County - Wayzata

Wayzata is a small lakeside city in Hennepin County. The population was 4,434 at the 2020 census.[2] It is about 16 miles west of Minneapolis on the shores of Lake Minnetonka. Wayzata is known for its small-town character and quaint downtown area along the lake. A line of the BNSF Railway runs through town... U.S. Route 12 serves as the main transportation route of the city.

City Website: www.wayzata.org



<https://www.statsamerica.org/town/>



People & Housing	
Population Estimate (2022)	4,365
H.S. Diploma or More - % of Adults 25+ (2022)	97.7%
Bachelor's Deg. or More - % of Adults 25+ (2022)	67.6%
Households (2022)	2,169
Total Housing Units (2022)	2,557
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	7.7%

Latitude/Longitude: 44.966787, -93.512716
 Area: 3.16 sq. miles
 Area - Land only: 3.08 sq. miles (98%)
 Area - Water only: 0.08 sq. miles (2%)

Hazard Mitigation Project Goal Priority Ranking Aid

2 Mitigation Priority 1 (2A1)
 • Achieve certification in National Weather Service StormReady program

1 Mitigation Priority 2 (1A3)
 • Improve Community Notification Capabilities

2 Mitigation Priority 3 (2A2)
 • Prepare Community Presentation on severe weather awareness

Vulnerability

- Bridges 19
- Functional Needs 130
- Rail Miles 3
- Monticello NPP: 27 miles

Corporate/Employer

- TC Bank Corporation
- Wayzata Medical Center
- Cargill

Capability

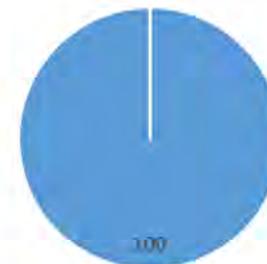
- Law Enforcement
- Police Chaplains Group
- Streets and Highways Department
- Park and Recreation Department
- Sewage
- Water Supply
- FCC Registered amateur radio licenses: 50

School District

- 284 Wayzata

Social Media:
 Facebook.com/CityofWayzata
 Facebook.com/WayzataPD

Language



English
https://apps.mla.org/map_data

2024 Wayzata Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A: Improve Community Notification Capabilities							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
1A1	Review available products and vendors offering notification systems	EM Director	Staff Time	2 years	On Schedule	Low	1
1A2	Implement “Next Door” program for neighborhood specific notifications.	EM Director	Staff Time	2 years	Cancelled	Low	1
1A3	Prepare Community Presentation on emergency response/notification	EM Director	Staff Time	2 years	Ongoing	2	1
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Achieve certification in National Weather Service StormReady program							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Meet requirements of the program	EM Director	Training time	2 years	Delayed	1	1
2A2	Prepare Community Presentation on severe weather awareness	EM Director	1K	2 years	Delayed	3	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A: Ensure water runoff choke points have adequate infrastructure to withstand flood							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
4A1	Inventory critical choke points and inspect and/or improve infrastructure	EM Director EM Coord	Unknown	2 years	On Schedule	4	1, 4, 6
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							
Objective 5A:							

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Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury power lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas	EM Director EM Coord	Staff Time	Ongoing	On Schedule	5	1, 4, 5
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment.							
Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards.							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Wayzata 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 1A: Improve Community Notification Capabilities	
Project Title/Action	1A1: Review available products and vendors offering notification systems
Project Status	Anticipated completion date: 2026
Project Title/Action	1A2: Implement “Next Door” program for neighborhood specific notifications
Project Status	Complete
Project Title/Action	1A3: Prepare Community Presentation on emergency response/notification
Project Status	Anticipated completion date: 2025
Responsible Agency	Wayzata Police Department
OBJECTIVE: 2A: Achieve certification in National Weather Service StormReady program	
Project Title/Action	2A1: Meet requirements of the program
Project Status	Anticipated completion date: 2025
Project Title/Action	2A2: Prepare Community Presentation on severe weather awareness
Project Status	Anticipated completion date: 2025
Responsible Agency	EM Director
OBJECTIVE: 4A: Ensure water runoff choke points have adequate infrastructure to withstand flood	
Project Title/Action	4A1: Inventory critical choke points and inspect and/or improve infrastructure
Project Status	Anticipated completion date: 2026
Responsible Agency	EM Director EM Coord
OBJECTIVE: 7A: Bury Power Lines	
Project Title/Action	7A1: Work with the community to identify power lines that could be buried to reduce power failures in heavily populated areas
Project Status	Ongoing
Responsible Agency	EM Director EM Coord

3.3.47. CITY OF WOODLAND

Hennepin County - Woodland

Woodland is a community in Hennepin County with lake shore property on Lake Minnetonka. With fewer than 600 residents, Woodland is a Statutory City, with an elected Mayor and four City Council Members. The City is administered from the Deephaven City Hall by an appointed Clerk. Woodland contracts with the Deephaven Police and Wayzata Fire.

City Website: woodlandmn.org



<https://www.statsamerica.org/town/>

People & Housing	
Population Estimate (2022)	562
H.S. Diploma or More - % of Adults 25+ (2022)	99.6%
Bachelor's Deg. or More - % of Adults 25+ (2022)	81.3%
Households (2022)	223
Total Housing Units (2022)	254
Percent of Total Units Vacant for Seasonal or Recreational Use (2022)	11.8%

Latitude/Longitude: 44.95018, -93.51618
 Area: 0.57 sq. miles
 Area - Land only: 0.53 sq. miles (93.5%)
 Area - Water only: 0.04 sq. miles (6.5%)

Hazard Mitigation Project Goal Priority Ranking Aid

5

Mitigation Priority 1 (5A1)

- Continue affording the opportunity for City Staff to attend or join emergency management associations like Lakes Area Emergency Management Planning Group, MEMA (Metropolitan Emergency Managers Association) and AMEM (Association of Minnesota Emergency Managers)

2

Mitigation Priority 2 (2A2)

- Provide information to the public on the city website and through public education opportunities

7

Mitigation Priority 3 (7A1)

- Work with the community to identify power lines which could be buried to reduce power failures.

- Vulnerability

 - Bridges 19
 - Functional Needs 130
 - Rail Miles 3
 - Monticello NPP: 28 miles

- Capability

 - Law Enforcement
 - Streets and Highways Dept
 - Park and Recreation Dept
 - Sewage
 - Water Supply

Corporate/Employer

School District

- 284 Wayzata

Language



■ English ■ German

https://apps.mla.org/map_data

2024 Woodland Mitigation Goals, Objectives, and Actions Update							
Goal 1: Minimize loss of life, injury, and damage to property, the economy, and the environment from natural hazards							
Objective 1A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 2: Increase education opportunities and outreach, and improve resident awareness of natural hazards and hazard mitigation							
Objective 2A: Educate the public to increase awareness of hazards and opportunities for mitigation actions							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
2A1	Publicize and encourage the adoption of appropriate hazard mitigation actions	LE, City Staff	5K	Medium	In Progress	4	1
2A2	Provide information to the public on the city website and through public education opportunities	LE, City Staff	5K	Medium	In Progress	2	1
Objective 2B: Promote partnerships between the state, counties, local jurisdictions, and partner agencies to identify, prioritize, and implement mitigation actions							
2B1	Participate as a member in local or regional hazard mitigation planning group	EM	Undetermined	Ongoing	Ongoing	Low	1
2B2	Support or provide the public sector events, workshop, symposium, and continued education opportunities	EM	Undetermined	Ongoing	Ongoing	Low	1
Goal 3: Protect Natural, Cultural, and Historic resources from future losses due to natural disasters							
Objective 3A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 4: Identify areas with greatest impact, vulnerability, and risk from natural hazards							
Objective 4A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 5: Enhance and improve coordination and communication between local, state, and federal levels of government, as well as businesses, Non-Governmental Organizations, and other private sector entities.							

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Objective 5A: Continue the promotion of partnerships with federal, state, and local entities to develop successful mitigation plans and operational strategies. Work towards a common comprehensive emergency operations plan that can be utilized on a larger regional platform.							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
5A1	Continue affording the opportunity for City Staff to attend or join emergency management associations like Lakes Area Emergency Management Planning Group, MEMA (Metropolitan Emergency Managers Association) and AMEM (Association of Minnesota Emergency Managers)	LE, HCEM, State and Local Affiliates	20K	Long	Ongoing	1	1
5A2	Continue participation in multi-jurisdictional / multiagency tabletop, drill, and full-scale exercises	EM	Undetermined	Ongoing	Ongoing	Low	1
5A3	Research and implement lessons learned from actual hazardous events from local, regional, and national jurisdictions to avoid probable mistakes from repeating themselves	EM	Undetermined	Ongoing	Ongoing	Low	1
Goal 6: Promote disaster-resistant future development throughout the county by reconsidering future development in high-risk areas.							
Objective 6A:							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 7: Support local communities' capacity and ability to mitigate against natural disasters in becoming more resilient and sustainable.							
Objective 7A: Bury Power Lines							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
7A1	Work with the community to identify power lines which could be buried to reduce power failures	LE, City Staff, City Council, Zoning, Xcel Energy	500K	Long	Ongoing	3	1, 4, 5
Goal 8: Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.							
Objective 8A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 9: Mitigate against the potential impacts of climate change on local communities, the economy, and the environment							

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Objective 9A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							
Goal 10: Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards							
Objective 10A							
Action	Description	Agency Responsible	Estimated Cost	Estimated Timeline	Status	Priority	Funding Sources
None							

Woodland 2018 – 2024 Mitigation Strategies Progress Report	
OBJECTIVE: 2A: Educate the public to increase awareness of hazards and opportunities for mitigation actions	
Project Title/Action	2A1: Publicize and encourage the adoption of appropriate hazard mitigation actions
Project Status	On-Schedule
Project Title/Action	2A2: Provide information to the public on the city website and through public education opportunities
Project Status	On-Schedule
Responsible Agency	LE, City Staff
OBJECTIVE: 2B: Promote partnerships between the state, counties, local jurisdictions, and partner agencies to identify, prioritize, and implement mitigation actions	
Project Title/Action	2B1: Participate as a member in local or regional hazard mitigation planning group
Project Status	On-Schedule
Project Title/Action	2B2: Support or provide the public sector events, workshop, symposium, and continued education opportunities
Project Status	On-Schedule
Responsible Agency	LE, City Staff
OBJECTIVE: 5A: Continue the promotion of partnerships with federal, state, and local entities to develop successful mitigation plans and operational strategies. Work towards a common comprehensive emergency operations plan that can be utilized on a larger regional platform	
Project Title/Action	5A1: Continue affording the opportunity for City Staff to attend or join emergency management associations like Lakes Area Emergency Planning Group, MEMA, and AMEM
Project Status	On-Schedule
Project Title/Action	5A2: Continue participation in multi-jurisdictional / multi-agency tabletop, drill, and full-scale exercises
Project Status	On-Schedule
Project Title/Action	5A3: Research and implement lessons learned from actual hazardous events from local, regional, and national jurisdictions to avoid probable mistakes from repeating themselves
Project Status	On-Schedule
Responsible Agency	LE, HCEM, State and Local Affiliates.
OBJECTIVE: 7A: Bury Power Lines	
Project Title/Action	7A1: Work with the community to identify power lines which could be buried to reduce power failures
Project Status	On-Schedule
Responsible Agency	LE, City Staff, City Council, Zoning, Xcel Energy

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3.3.48. HENNEPIN COUNTY EMERGENCY MANAGEMENT

A. Hennepin County Objectives and Actions

Goal 1	Minimize loss of life, injury, and damage to property, the economy, and the environment from natural and man-made hazards.	
OBJECTIVES		ACTIONS
1A: Improve or Install sensor systems	1A1: Implementing monitoring mechanisms/procedures (i.e., visual inspection and the installation of electronic monitoring systems).	
	1A2: Develop and maintain a countywide network of stream stage sensors designed to measure stream height and transmit data automatically.	
	1A3: Install a network of remote sensors, which provide highly accurate, near real-time measurements of weather, soil and water conditions to help emergency leaders make critical public warning and tactical decisions.	
	1A4: Install a countywide lightning detection system to warn populations participating in outdoor recreational activities such as parks, sports venues and outdoor special events.	
	1A5: Install a network of Wet Bulb Globe (WBGT) sensors in order to enhance public warning messaging as well as protect human life and property.	
	1A6: Install a network of freezing rain sensors that detect the presence of icing conditions so that appropriate actions can be taken to prevent damage to power and communication lines, transportation systems such as mass transit and to warn of road hazards.	
1B: Assess, survey and recommend mitigation actions	1B1: Conduct landslide hazard analysis and assessment.	
	1B2: Completing an inventory of locations where critical facilities, other buildings and infrastructure are vulnerable to landslides	
	1B3: Elevating roads and bridges above the base flood elevation to maintain dry access.	
1C: Improve conditions for At-Risk populations	1C1: Identifying specific at-risk populations that may be exceptionally vulnerable in the event of long-term power outages.	
1D: Improve flood resilience.	1D1: Using small construction projects such as walls and berms in areas that cannot be mitigated through non-structural activities. Additionally using materials on existing riverbanks for flood protection.	

Goal 2	Increase education, outreach, and awareness.	
OBJECTIVES		ACTIONS
2A: Improve public awareness and outreach	2A1: Developing and implementing a multi-hazard public awareness program.	
	2A2: Conduct outreach activities to increase awareness of natural and man-made hazards that pose a risk to Hennepin County.	

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
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	2A3: Promote the use of National Oceanic and Atmospheric Administration (NOAA) weather radios.
	2A4: Conduct tornado/severe weather table-top drills for school districts within Hennepin County.
	2A5: Conduct winter weather table-top drills for school districts within Hennepin County.
	2A6: Support Severe Weather Awareness Week.
	2A7: Establishing an interactive website for educating the public on hazard mitigation and preparedness measures.

Goal 3	Identify areas of greatest impact from hazards.	
	OBJECTIVES	ACTIONS
	3A: Develop partnerships, participate in programs and Identify various risks that need to be addressed not already documented	<p>3A1: Develop and maintain a County Community Wildfire Protection Plan.</p> <p>3A2: Participate in the NFPA’s Firewise Program.</p> <p>3A3: Develop a historic database of natural and man-made hazards that post a risk to Hennepin County.</p> <p>3A4: Identifying the most at-risk critical facilities and evaluating potential mitigation techniques.</p> <p>3A5: Develop and maintaining a database to track community vulnerability (i.e., exposure in known hazard areas).</p>
	3B: Improve Flood Risk Assessment	Specifically incorporating technology and procedure to better track high water marks, using GIS in conjunction with developed plans to aid in historical flood impact and analysis of future impact. Future mitigation projects may include reimplementation of a river gauge local to the confluence of the Minnesota and Mississippi rivers.

Goal 4	Build and support local capacity and commitment to become less vulnerable to hazards.	
	OBJECTIVES	ACTIONS
	4A: Build disaster Cache	4A1: Develop a countywide disaster caches to build local capacity in the immediate aftermath of an incident/disaster.
	4B: Improve Comprehensive Plans	4B1: Incorporating risk assessment and hazard mitigation principles into comprehensive planning efforts.
	4C: Improve Recovery Plan	4C1: Developing a recovery plan to facilitate decision making following a hazard event/disaster.
	4D: Map and Assess Vulnerability to Landslides	4D1: Based on data and recommendations from the 2020 Hennepin County Landslide Hazard Atlas, the Fort Snelling area along the Mississippi River gorge is vulnerable to sudden landslides that are difficult to predict (p. 21). Systems and tools to monitor land movement, as well as better systems to log and share information on landslide hazards are possible mitigation projects. Specific areas along the Mississippi River gorge are identified in the Landslide Hazard Atlas.

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	LS-3 Preventing Impacts to Roadways identifies implementing monitoring tools and stabilization measures along roadways to mitigate risk to landslides. The vulnerable areas along the Mississippi River Gorge in Hennepin County are predominantly traveled by trail, and areas can use these same mitigation measures along traveled routes
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Goal 5	Enhance hazard mitigation coordination and communication with federal, state and local governments.	
OBJECTIVES		ACTIONS
None		None

Goal 6	Promote disaster-resistant future development.	
OBJECTIVES		ACTIONS
None		None

Goal 7	Build and support local capacity and commitment to become less vulnerable to hazards.	
OBJECTIVES		ACTIONS
None		None

Goal 8	Identify mitigation strategies for underserved communities, vulnerable populations, and those with access and functional needs.	
OBJECTIVES		ACTIONS
None		None

Goal 9	Mitigate against the potential impacts of climate change on local communities, the economy, and the environment.	
OBJECTIVES		ACTIONS
None		None

Goal 10	Enhance and improve the capability, capacity, and reliability of community lifelines and critical infrastructure in becoming more resistant to failure and resilient to natural hazards.	
OBJECTIVES		ACTIONS
None		None

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Section 4	Minnesota Mitigation Crosswalk
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4.1 Minnesota Crosswalk – Local Hazard Mitigation Plan Review Tool

The Local Mitigation Plan Review Tool (PRT) demonstrates how the local mitigation plan meets the regulation in 44 CFR § 201.6 and offers states and FEMA Mitigation Planners an opportunity to provide feedback to the local governments, including special districts.

1. The Multi-Jurisdictional Summary Sheet is a worksheet that is used to document how each jurisdiction met the requirements of the plan elements (Planning Process; Risk Assessment; Mitigation Strategy; Plan Maintenance; Plan Update; and Plan Adoption).
2. The Plan Review Checklist summarizes FEMA’s evaluation of whether the plan has addressed all requirements.

Plan Information	
Jurisdiction(s)	Hennepin County
Title of Plan	Hennepin County Multi-Jurisdiction Mitigation Plan
New Plan or Update	Update
Single or Multi-Jurisdiction	Multi-Jurisdiction
Date of Plan	January 15, 2024
Local Point of Contact	
Title	Bruce Kelii, Deputy Director of Emergency Management
Agency	Hennepin County Hennepin County
Address	1600 Prairie Drive, Medina, MN
Phone Number	
Email	Bruce.Kelii@Hennepin.US
Additional Point of Contact	
Title	Dalton Herding, Senior Planner
Agency	Hennepin County Emergency Management
Address	1600 Prairie Drive, Medina, MN
Phone Number	
Email	Dalton.Herding@Hennepin.US
Review Information	
State Review	
State Reviewer(s) and Title	
State Review Date	
FEMA Review	
FEMA Reviewer(s) and Title	
Date Received in FEMA Region	
Plan Not Approved	
Plan Approvable Pending Adoption	
Plan Approved	

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4.1.1 REGULATION CHECKLIST

The Plan Review Checklist is completed by FEMA. States and local governments are encouraged, but not required, to use the PRT as a checklist to ensure all requirements have been met prior to submitting the plan for review and approval. The purpose of the checklist is to identify the location of relevant or applicable content in the plan by element/sub-element and to determine if each requirement has been “met” or “not met.” FEMA completes the “required revisions” summary at the bottom of each element to clearly explain the revisions that are required for plan approval. Required revisions must be explained for each plan sub-element that is “not met.” Sub-elements in each summary should be referenced using the appropriate numbers (A1, B3, etc.), where applicable. Requirements for each element and sub-element are described in detail in Section 4: Local Plan Requirements of this guide.

Plan updates must include information from the current planning process.

If some elements of the plan do not require an update, due to minimal or no changes between updates, the plan must document the reasons for that.

Multi-jurisdictional elements must cover information unique to all participating jurisdictions.

Element A: Planning Process

Element A Requirements	Location in Plan	Met / Not Met
A1. Does the plan document the planning process, including how it was prepared and who was involved in the process for each jurisdiction? (Requirement 44 CFR § 201.6(c)(1))		
A1-a. Does the plan document how the plan was prepared, including the schedule or time frame and activities that made up the plan’s development, as well as who was involved?	Volume 1, pages 15 - 25	
A1-b. Does the plan list the jurisdiction(s) participating in the plan that seek approval, and describe how they participated in the planning process?	Volume 1, pages 15 - 25	
A2. Does the plan document an opportunity for neighboring communities, local and regional agencies involved in hazard mitigation activities, and agencies that have the authority to regulate development as well as businesses, academia, and other private and non-profit interests to be involved in the planning process? (Requirement 44 CFR § 201.6(b)(2))		
A2-a. Does the plan identify all stakeholders involved or given an opportunity to be involved in the planning process, and how each stakeholder was presented with this opportunity?	Volume 1, page 21 - 22	
A3. Does the plan document how the public was involved in the planning process during the drafting stage and prior to plan approval? (Requirement 44 CFR § 201.6(b)(1))		
A3-a. Does the plan document how the public was given the opportunity to be involved in the planning process and how their feedback was included in the plan?	Volume 1, pages 31 - 32	
A4. Does the plan describe the review and incorporation of existing plans, studies, reports, and technical information? (Requirement 44 CFR § 201.6(b)(3))		

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A4-a. Does the plan document what existing plans, studies, reports, and technical information were reviewed for the development of the plan, as well as how they were incorporated into the document?	Volume 1, pages 26 – 27, 59	
ELEMENT A REQUIRED REVISIONS		
Required Revision:		

Element B: Risk Assessment

Element B Requirements	Location in Plan	Met / Not Met
B1. Does the plan include a description of the type, location, and extent of all natural hazards that can affect the jurisdiction? Does the plan also include information on previous occurrences of hazard events and on the probability of future hazard events? (Requirement 44 CFR § 201.6(c)(2)(i))		
B1-a. Does the plan describe all natural hazards that can affect the jurisdiction(s) in the planning area, and does it provide the rationale if omitting any natural hazards that are commonly recognized to affect the jurisdiction(s) in the planning area?	Volume 2, page 5 - 7	
B1-b. Does the plan include information on the location of each identified hazard?	Volume 1, pages 93, and 100 Volume 2, pages Volume 2, pages 212 – 228	
B1-c. Does the plan describe the extent for each identified hazard?	Volume 2, pages 15, 20, 24, 30, 34, 40, 56, 73 – 74, 85, 99, 112, 129, 132, 143, 153, 159, 171, 188, 204	
B1-d. Does the plan include the history of previous hazard events for each identified hazard?	Volume 2, pages 15, 20, 25, 30 – 31, 34, 40 – 41, 56 - 58, 75 – 77, 86 – 91, 113 – 114, 120 – 125, 133 - 135, 144 - 145, 154, 159, 170 – 175, 187 – 194, 204 - 207	
B1-e. Does the plan include the probability of future events for each identified hazard? Does the plan describe the effects of future conditions, including climate change (e.g., long-term weather patterns, average temperature and sea levels), on the type, location and range of anticipated intensities of identified hazards?	Volume 2, pages 16, 20, 25 - 26, 31, 35, 41, 57, 77, 91 – 92, 102, 114, 126, 133, 135 – 136, 145 - 146, 154, 162 - 163, 175 – 176, 194 - 195, 207	
B1-f. For participating jurisdictions in a multi-jurisdictional plan, does the plan describe any hazards that are unique to and/or vary from those affecting the overall planning area?	N/A	
B2. Does the plan include a summary of the jurisdiction’s vulnerability and the impacts on the community from the identified hazards? Does this summary also address NFIP insured structures that have been repetitively damaged by floods? (Requirement 44 CFR § 201.6(c)(2)(ii))		
B2-a. Does the plan provide an overall summary of each jurisdiction’s vulnerability to the identified hazards?	Volume 2, pages 13 - 209, 244 - 358	

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B2-b. For each participating jurisdiction, does the plan describe the potential impacts of each of the identified hazards on each participating jurisdiction?	Volume 2, pages 13 – 15, 19 – 20, 23 – 24, 29 – 30, 33 – 34, 39, 54 – 56, 71 – 72, 82 – 84, 97 – 98, 110 – 112, 118 – 119, 131 – 132, 143, 151 – 152, 158, 168 – 170, 182 – 184, 201 – 203	
.B2-c. Does the plan address NFIP-insured structures within each jurisdiction that have been repetitively damaged by floods?	Volume 1, page 53 - 54	
ELEMENT B REQUIRED REVISIONS		
Required Revision:		

Element C: Mitigation Strategy

Element C Requirements	Location in Plan	Met / Not Met
C1. Does the plan document each participant’s existing authorities, policies, programs and resources and its ability to expand on and improve these existing policies and programs? (Requirement 44 CFR § 201.6(c)(3))		
C1-a. Does the plan describe how the existing capabilities of each participant are available to support the mitigation strategy? Does this include a discussion of the existing building codes and land use and development ordinances or regulations?	Volume 1, pages 43 - 48	
C1-b. Does the plan describe each participant’s ability to expand and improve the identified capabilities to achieve mitigation?	Volume 1, page 43	
C2. Does the plan address each jurisdiction’s participation in the NFIP and continued compliance with NFIP requirements, as appropriate? (Requirement 44 CFR § 201.6(c)(3)(ii))		
C2-a. Does the plan contain a narrative description or a table/list of their participation activities?	Volume 1, pages 49 - 52	
C3. Does the plan include goals to reduce/avoid long-term vulnerabilities to the identified hazards? (Requirement 44 CFR § 201.6(c)(3)(i))		
C3-a. Does the plan include goals to reduce the risk from the hazards identified in the plan?	Volume 3, page 8	
C4. Does the plan identify and analyze a comprehensive range of specific mitigation actions and projects for each jurisdiction being considered to reduce the effects of hazards, with emphasis on new and existing buildings and infrastructure? (Requirement 44 CFR § 201.6(c)(3)(ii))		
C4-a. Does the plan include an analysis of a comprehensive range of actions/projects that each jurisdiction considered to reduce the impacts of hazards identified in the risk assessment?	Volume 3, pages 14 - 322	
C4-b. Does the plan include one or more action(s) per jurisdiction for each of the hazards as identified within the plan’s risk assessment?	Volume 3, pages 14 - 322	
C5. Does the plan contain an action plan that describes how the actions identified will be prioritized (including a cost benefit review), implemented, and administered by each jurisdiction? (Requirement 44 CFR § 201.6(c)(3)(iv)); (Requirement §201.6(c)(3)(iii))		

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C5-a. Does the plan describe the criteria used for prioritizing actions?	Volume 3, page 10	
C5-b. Does the plan provide the position, office, department or agency responsible for implementing/administrating the identified mitigation actions, as well as potential funding sources and expected time frame?	Volume 3, pages 12 - 322	
ELEMENT C REQUIRED REVISIONS		
Required Revision:		

Element D: Plan Maintenance

Element D Requirements	Location in Plan	Met / Not Met
D1. Is there discussion of how each community will continue public participation in the plan maintenance process? (Requirement 44 CFR § 201.6(c)(4)(iii))		
D1-a. Does the plan describe how communities will continue to seek future public participation after the plan has been approved?	Volume 1, pages 58 - 59	
D2. Is there a description of the method and schedule for keeping the plan current (monitoring, evaluating and updating the mitigation plan within a five-year cycle)? (Requirement 44 CFR § 201.6(c)(4)(i))		
D2-a. Does the plan describe the process that will be followed to track the progress/status of the mitigation actions identified within the Mitigation Strategy, along with when this process will occur and who will be responsible for the process?	Volume 1, page 56	
D2-b. Does the plan describe the process that will be followed to evaluate the plan for effectiveness? This process must identify the criteria that will be used to evaluate the information in the plan, along with when this process will occur and who will be responsible.	Volume 1, page 56 - 57	
D2-c. Does the plan describe the process that will be followed to update the plan, along with when this process will occur and who will be responsible for the process?	Volume 1, pages 57 - 58	
D3. Does the plan describe a process by which each community will integrate the requirements of the mitigation plan into other planning mechanisms, such as comprehensive or capital improvement plans, when appropriate? (Requirement 44 CFR § 201.6(c)(4)(ii))		
D3-a. Does the plan describe the process the community will follow to integrate the ideas, information, and strategy of the mitigation plan into other planning mechanisms?	Volume 1, page 59 – 61	
D3-b. Does the plan identify the planning mechanisms for each plan participant into which the ideas, information and strategy from the mitigation plan may be integrated?	Volume 1, page 59 - 61	

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D3-c. For multi-jurisdictional plans, does the plan describe each participant's individual process for integrating information from the mitigation strategy into their identified planning mechanisms?	Volume 1, page 59 - 61	
ELEMENT D REQUIRED REVISIONS		
Required Revision:		

Element E: Plan Update

Element E Requirements	Location in Plan	Met / Not Met
E1. Was the plan revised to reflect changes in development? (Requirement 44 CFR § 201.6(d)(3))		
E1-a. Does the plan describe the changes in development that have occurred in hazard-prone areas that have increased or decreased each community's vulnerability since the previous plan was approved?	Volume 1, page 41, 114 - 118	
E2. Was the plan revised to reflect changes in priorities and progress in local mitigation efforts? (Requirement 44 CFR § 201.6(d)(3))		
E2-a. Does the plan describe how it was revised due to changes in community priorities?	Volume 3, pages 10 - 323	
E2-b. Does the plan include a status update for all mitigation actions identified in the previous mitigation plan?	Volume 3, pages 14 - 323	
E2-c. Does the plan describe how jurisdictions integrated the mitigation plan, when appropriate, into other planning mechanisms?	Volume 1, page 59 - 61	
ELEMENT E REQUIRED REVISIONS		
Required Revision:		

Element F: Plan Adoption

Element E Requirements	Location in Plan	Met / Not Met
F1. For single-jurisdictional plans, has the governing body of the jurisdiction formally adopted the plan to be eligible for certain FEMA assistance? (Requirement 44 CFR § 201.6(c)(5))		
F1-a. Does the participant include documentation of adoption?	Volume 3, Appendices B and D Volume 1, Page 11	
F2. For multi-jurisdictional plans, has the governing body of each jurisdiction officially adopted the plan to be eligible for certain FEMA assistance? (Requirement 44 CFR § 201.6(c)(5))		
F2-a. Did each participant adopt the plan and provide documentation of that adoption?	Volume 3, Appendix D Volume 1, Page 11	
ELEMENT F REQUIRED REVISIONS		
Required Revision:		

Element G: High Hazard Potential Dams (Optional)

Element G Requirements	Location in Plan	Met / Not Met
No High Hazard Potential Dams Identified in Hennepin County		

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Element H: Additional State Requirements (Optional)

Element H Requirements	Location in Plan	Met / Not Met
No Additional State Requirements Identified		

4.1.2. MULTI-JURISDICTIONAL SUMMARY SHEET

INSTRUCTIONS: Complete the Multi-jurisdiction Summary Spreadsheet by listing each participating jurisdiction which required Elements for each jurisdiction were ‘Met’ or ‘Not Met’. Adoption resolutions may be tracked after the plan was reviewed by FEMA ‘pending local adoption’. This Summary Sheet does not imply that a mini-plan be developed for each jurisdiction; it should be used as an optional worksheet to ensure that each jurisdiction participating in the Plan has been documented and has met the requirements for those Elements (A through E).

#	Jurisdiction Name	Jurisdiction Type (county/city)	Requirements Met (Y/N)				
			A. Planning Process	B. Hazard Identification & Risk Assessment	C. Mitigation Strategy	D. Plan Review, Evaluation & Implementation	E. Plan Adoption
1	Bloomington	City	Y	Y	Y	Y	
2	Brooklyn Center	City	Y	Y	Y	Y	
3	Brooklyn Park	City	Y	Y	Y	Y	
4	Champlin	City	Y	Y	Y	Y	
5	Chanhassen	City	Y	Y	Y	Y	
6	Corcoran	City	Y	Y	Y	Y	
7	Crystal	City	Y	Y	Y	Y	
8	Dayton	City	Y	Y	Y	Y	
9	Deephaven	City	Y	Y	Y	Y	
10	Eden Prairie	City	Y	Y	Y	Y	
11	Edina	City	Y	Y	Y	Y	
12	Excelsior	City	Y	Y	Y	Y	
13	Fort Snelling	Unincorporated area	Y	Y	Y	Y	
14	Golden Valley	City	Y	Y	Y	Y	
15	Greenfield	City	Y	Y	Y	Y	
16	Greenwood	City	Y	Y	Y	Y	

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#	Jurisdiction Name	Jurisdiction Type (county/city)	Requirements Met (Y/N)				
			A. Planning Process	B. Hazard Identification & Risk Assessment	C. Mitigation Strategy	D. Plan Review, Evaluation & Implementation	E. Plan Adoption
17	Hanover	City	Y	Y	Y	Y	
18	Hopkins	City	Y	Y	Y	Y	
19	Independence	City	Y	Y	Y	Y	
20	Long Lake	City	Y	Y	Y	Y	
21	Loretto	City	Y	Y	Y	Y	
22	Maple Grove	City	Y	Y	Y	Y	
23	Maple Plain	City	Y	Y	Y	Y	
24	Medicine Lake	City	Y	Y	N	Y	
25	Medina	City	Y	Y	Y	Y	
26	Minneapolis	City	Y	Y	Y	Y	
27	Minnetonka Beach	City	Y	Y	Y	Y	
28	Minnetonka	City	Y	Y	Y	Y	
29	Minnetrista	City	Y	Y	Y	Y	
30	Mound	City	Y	Y	Y	Y	
31	New Hope	City	Y	Y	Y	Y	
32	Orono	City	Y	Y	Y	Y	
33	Osseo	City	Y	Y	Y	Y	
34	Plymouth	City	Y	Y	Y	Y	
35	Richfield	City	Y	Y	Y	Y	
36	Robbinsdale	City	Y	Y	Y	Y	

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#	Jurisdiction Name	Jurisdiction Type (county/city)	Requirements Met (Y/N)				
			A. Planning Process	B. Hazard Identification & Risk Assessment	C. Mitigation Strategy	D. Plan Review, Evaluation & Implementation	E. Plan Adoption
37	Rockford	City	Y	Y	Y	Y	
38	Rogers	City	Y	Y	Y	Y	
39	Shorewood	City	Y	Y	Y	Y	
40	Spring Park	City	Y	Y	Y	Y	
41	St. Anthony	City	Y	Y	Y	Y	
42	St. Bonifacius	City	Y	Y	Y	Y	
43	St. Louis Park	City	Y	Y	Y	Y	
44	Tonka Bay	City	Y	Y	Y	Y	
45	Wayzata	City	Y	Y	Y	Y	
46	Woodland	City	Y	Y	Y	Y	

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SECTION 5 **ACRONYMS AND ABBREVIATIONS**

5.1. Acronyms and Abbreviations

ADA	American Disabilities Act
ADT	Animal Disease Traceability
APHIS	Animal and Plant Health Inspection Service
CAPE	Convective Available Potential Energy
CDBG	Community Development Block Grant
CDC	Centers for Disease Control
CDFA	California Drug and Food Administration
CERT	Community Emergency Response Team
CFI	Critical Facilities Index
CFR	Code of Federal Regulation
COOP	Cooperative Observer Program
CPR	Cardiopulmonary Resuscitation
CRS	Community Rating Scheme
DMA	Disaster Mitigation Act of 2000
DPH	Department of Health
DNR	Department of Natural Resources
EDI	Emerging Disease Investigations
EF	Enhanced Fujita Scale
EID	Emerging Infectious Disease
EM	Emergency Manager
EML	Elevated Mixed Layer
EMRS	Emergency Management Response System
EOC	Emergency Operations Center
EPA	Environmental Protection Agency
FAD	Foreign Animal Disease
FBP	Forest Behavior Prediction
FEMA	Federal Emergency Management Administration
FMA	Flood Mitigation Assistance Program
FPI	Fire Potential Index
FWI	Fire Weather Index
GEOREF	Geographical Reference
GIS	Geographic Information System
GLS	Gray Leaf Spot
HACCP	Hazard Analysis Critical Control Point
HAZMAT	Hazardous Materials
HAZUS	Hazards United States
HAZUS-MH	Hazards United States- Multi Hazard
HCEM	Hennepin County Emergency Management
HEPA	High Efficiency Particulate Air
HMGP	Hazard Mitigation Grant Program
HSEM	Homeland Security Emergency Management- Minnesota
HWO	Hazardous Weather Outlook
ICS	Incident Command System
IFR	Interim Final Rule

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IPCC	Intergovernmental Panel on Climate Change
LAT-LONG	Latitude and Longitude
MAP	Mitigation Action Plan
MD	Mesoscale Discussion
MEDSS	Minnesota Electronic Disease Surveillance System
MGRS	Military Grid Reference System
MJHMP	Multi-Jurisdictional Hazard Mitigation Plan
MNICS	Minnesota Incident Command System
MPRB	Minneapolis Parks and Recreation Board
MSP	Minneapolis/St. Paul
NAHERC	National Animal Health Emergency Response Corp
NAHSS	National Animal Health Surveillance System
NASA	National Aeronautics Space Administration
NDRF	National Disaster Recovery Framework
NFDRS	National Fire Danger Rating System
NFIP	National Flood Insurance Program
NHL	National Historic Landmarks
NIDIS	National Integrated Drought Information System
NIFC	National Interagency Fire Center
NPIC	National Preparedness and Incident Coordination Center
NVAP	National Veterinary Accreditation Program
NWS	National Weather Service
PDM	Pre-Disaster Mitigation Program
PIC	Preparedness and Incident Coordination
POD	Point of Dispensing
PRI	Priority Risk Index
REMPRC	Regional Emergency Management Planning Reference Collection
RF	Radio Frequency
RH	Relative Humidity
SBA	Small Business Administration
SMS	Situation Monitoring Station
SOP	Standard Operating Procedure
SPC	Storm Prediction Center
SPRS	Surveillance, Preparedness and Response Services
UC-ANR	University of California Agriculture and Natural Resources
USDA	US Dept. of Agriculture
USFA	United States Fire Administration
USNG	United States National Grid
UTC	Coordinated Universal Time
UTM	Universal Transverse Mercator
VS	Veterinary Services
VSMS	Vital Situation Monitoring Station
WBGT	Wet Bulb Globe Temperature
WEA	Wireless Emergency Alerts
WFAS	Wildland Fire Assessment System
WFO	Weather Forecast Office

6.1. Terms

Multi-Jurisdictional Hazard Mitigation Plan- a countywide plan that identifies risks and ways to minimize damage by natural and manmade disasters. The plan is a comprehensive resource document that serves many purposes such as enhancing public awareness, creating a decision tool for management, promoting compliance with State and Federal program requirements, enhancing local policies for hazard mitigation capability, and providing inter-jurisdictional coordination.

Area Planning Group- One of four groups in Hennepin County divided by region that meet routinely to gather information, discuss issues, develop goals, prioritize goals, create approaches, prioritize approaches, and develop plans. Each step is necessary to the overall development and creation of the regional or jurisdictional plan.

Disaster Mitigation Act (DMA 2000)- is Public Law 106-390, also called DMA2K, is U.S. federal legislation passed in 2000 that amended provisions of the United States Code related to disaster relief. The amended provisions are named after Robert Stafford, who led the passage of the Stafford Disaster Relief and Emergency Assistance Act of 1988.

Hazard Mitigation Program Grant - to help communities implement hazard mitigation measures following a Presidential major disaster declaration. Hazard mitigation is any action taken to reduce or eliminate long term risk to people and property from natural hazards. The HMPG is authorized under Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act.

Incident Action Plan- a written plan that defines the incident objectives and reflects the tactics necessary to manage an incident during an operational period.

Operational Period- An operational period is the period of time scheduled for executing a given set of operational actions. The length of the operational period is typically 12 to 24 hours.

Planning Team- A team whose members usually belong to different groups, functions and are assigned to activities for the same project.

Public Law 106-390- to establish a national disaster hazard mitigation program— (1) to reduce the loss of life and property, human suffering, economic disruption, and disaster assistance costs resulting from natural disasters; and (2) to provide a source of pre-disaster hazard mitigation funding that will assist States and local governments (including Indian tribes) in implementing effective hazard mitigation measures that are designed to ensure the continued functionality of critical services and facilities after a natural disaster.

Risk Assessment- is the determination of quantitative or qualitative estimate of risk related to a well-defined situation and a recognized threat (also called hazard assessment).

Social Media- are computer-mediated tools that allow people or companies to create, share, or exchange information, career interests, ideas, and pictures/videos in virtual communities and networks.

Steering Committee- a committee that provides guidance, direction and control to a project within an organization.

Vulnerability Assessment- the process of identifying, quantifying, and prioritizing (or ranking) the vulnerabilities in a system.

Whole Community- an approach to emergency management that reinforces the fact that FEMA is only one part of our nation’s emergency management team; that we must leverage all the resources of our collective team in preparing for, protecting against, responding to, recovering from and mitigating against all hazards; and that collectively we must meet the needs of the entire community in each of these areas.

Working Group- is an *ad hoc* group of subject-matter experts working together to achieve specified goals.

Title 44 CFR Part 201- Identification name for Emergency Management and Assistance- specifically Mitigation Planning within the Code of Federal Regulation. (1)-The purpose of this part is to provide information on the policies and procedures for mitigation planning as required by the provisions of section 322 of the Stafford Act, 42 U.S.C. 5165. (2)-The purpose of mitigation planning is for State, local, and Indian tribal governments to identify the natural hazards that impact them, to identify actions and activities to reduce any losses from those hazards, and to establish a coordinated process to implement the plan, taking advantage of a wide range of resources.

SECTION 7	APPENDICES
APPENDIX A	APPLICABLE FEDERAL AND STATE REGULATIONS

- A. The Robert T. Stafford Disaster Relief and Emergency Assistance Act (Stafford Act), as amended by the Disaster Mitigation Act of 2000, provides the legal basis for state, tribal, and local governments to undertake risk-based approaches to reducing natural hazard risks through mitigation planning. Specifically, the Stafford Act requires state, tribal, and local governments to develop and adopt FEMA-approved hazard mitigation plans as a condition for receiving certain types of non-emergency disaster assistance.
- B. Another law relevant to hazard mitigation planning is the National Flood Insurance Act of 1968, as amended (42 U.S.C. § 4104c), which authorizes the Flood Mitigation Assistance (FMA) grant program with the goal of reducing or eliminating claims under the National Flood Insurance Program (NFIP). FMA provides funding to states, territories, federally recognized tribes, and local communities for flood hazard mitigation projects, plan development, and management costs.
- C. Title 44, Chapter 1, Part 201 (44 CFR Part 201) of the Code of Federal Regulations (CFR) contains requirements and procedures to implement the hazard mitigation planning provisions of the Stafford Act.
- D. FEMA policies are external, authoritative statements that articulate the Agency's intent and direction to guide decision-making and achieve rational outcomes for Agency activities. The following mitigation planning guidance documents constitute FEMA's official policy on and interpretation of the hazard mitigation planning requirements in 44 CFR Part 201.
 - State Mitigation Plan Review Guide
 - Local Mitigation Plan Review Guide (English)
 - Tribal Multi-Hazard Mitigation Planning Guidance

Additional mitigation planning policies include:

- State Mitigation Plan Review Guide Policy (FP 302-094-2, March 6, 2015)
- Mitigation Planning (MT-PL) Memorandum #15: Local Mitigation Plan Review Guide (September 30, 2011)
- Mitigation Planning Memorandum (MT-PL) #1A: Implementation Procedures for States, Territories and Indian Tribal Governments Without an Approved State Mitigation Plan - Follow-up Guidance (Attachment) (May 2, 2005)
- Mitigation Planning Memorandum (MT-PL) #1: Disaster Declaration Procedures After May 1, 2005, for States Without an Approved State Mitigation Plan (April 13, 2005)

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STATE OF MINNESOTA

COUNTY OF HENNEPIN

CLERK TO THE COUNTY BOARD

I, Sheri Selton, Deputy Clerk to the County Board of the above named County, do hereby certify that I have compared the papers writing, to which this certificate is attached, with the original

Resolution No. 24-0035 adopted by the Hennepin County Board of Commissioners on February 2, 2024 as the same appears of record and on file in the said Clerk to the Board's office, at the Government Center in said Hennepin County, and find the same to be true and correct copy thereof.

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seal of said County at the City of Minneapolis, this 22nd day of February A.D. 2024


Sheri Selton
Deputy Clerk to the County Board



HENNEPIN COUNTY
MINNESOTA

300 South Sixth Street
Minneapolis, MN
55487-0240

RESOLUTION

Board of Hennepin County Commissioners
RESOLUTION: 24-0035

At a meeting of the Board of Hennepin County Commissioners on 2/6/2024, a motion was made by Marion Greene, seconded by Kevin Anderson, that this Resolution be adopted. The motion passed.

WHEREAS, Hennepin County has participated in the hazard mitigation planning process as established under the federal Disaster Mitigation Act of 2000; and

WHEREAS, the Act establishes a framework for the development of a County Hazard Mitigation Plan; and

WHEREAS, the Act as requires public involvement and local coordination among neighboring local units of government and businesses in the assessment and planning process; and

WHEREAS, the Hennepin County Plan includes a risk assessment including county disaster history, an inventory of hazards that threaten the County, an estimate of infrastructure at risk, a general description of population, land use and development trends; and

WHEREAS, the Hennepin County Plan includes a mitigation strategy including goals and objectives and an action plan identifying specific mitigation projects and costs that will reduce disaster impacts; and

WHEREAS, the Hennepin County Plan includes a maintenance or implementation process including plan updates, integration of the plan into other planning documents and how Hennepin County will maintain public participation and coordination; and

WHEREAS, the Plan has been shared with the Minnesota Division of Homeland Security and Emergency Management and the Federal Emergency Management Agency for review and comment; and

WHEREAS, this Hennepin County All-Hazard Mitigation Plan is multi-jurisdictional in scope and that cities that participated in the planning process may choose to adopt the County Plan and be included in eligibility to apply for federal mitigation grants.

Resolution:

BE IT RESOLVED, that the Hennepin County Board of Commissioners adopts the 2024 Hennepin County All-Hazard Mitigation Plan.

RESOLUTION ADOPTED ON 2/6/2024

The question was on the adoption of the resolution with the votes as follows:

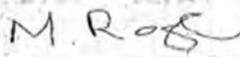
Aye: 4 Commissioner Greene, Commissioner Conley, Commissioner Goettel, and Commissioner Anderson

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
Volume 3 – Community Mitigation Strategies

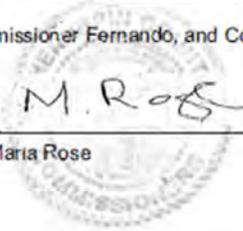
File Number: 24-0035

Absent: 2 Commissioner Fernando, and Commissioner Lunde

Maria Rose



Maria Rose



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U.S. Department of Homeland Security
FEMA Region 5
336 S. Clark St. 6th Floor
Chicago, IL 60605



FEMA

May 2, 2024

Ms. Kristen Dellwo
Homeland Security and Emergency Management
Minnesota Department of Public Safety
444 Cedar Street, Suite 223
Saint Paul, MN 55101

Dear Ms. Dellwo:

The 2024 Hennepin County Multi-Jurisdictional Hazard Mitigation Plan was reviewed based on the local plan criteria contained in 44 CFR Part 201, as authorized by the Disaster Mitigation Act of 2000. The 2024 Hennepin County Multi-Jurisdictional Hazard Mitigation Plan met the required criteria for a multi-jurisdictional hazard mitigation plan and the plan is now approved for Hennepin County.

The expiration date of the 2024 Hennepin County Multi-Jurisdictional Hazard Mitigation Plan is five years from the date of this letter.

An approved local mitigation plan, including adoption by the local government, is one of the conditions for applying for and/or receiving FEMA mitigation grants from the following programs:

- Hazard Mitigation Grant Program (HMGP)
- HMGP Post-Fire
- Building Resilient Infrastructure and Communities
- Flood Mitigation Assistance

Having an approved mitigation plan does not mean that mitigation grant funding will be awarded. Specific application and eligibility requirements for the programs listed above can be found in each FEMA grant program's respective policies and annual Notice of Funding Opportunities, as applicable.

To avoid a lapsed plan, the next plan update must be approved before the end of the approval period, including adoption by the participating jurisdiction(s). Before the end of the approval period, please allow sufficient time to secure funding for the update, including the review and approval process. Please include time for any revisions, if needed, and for your jurisdiction to formally adopt the plan after the review, if not adopted prior to submission. This will enable you to remain eligible to apply for and receive funding from FEMA's mitigation grant programs with a mitigation plan requirement. Local governments, including special districts, with a plan status of "Approvable Pending Adoption" are not eligible for FEMA's mitigation grant programs with a mitigation plan requirement.

www.fema.gov

2024 Hennepin County All-Jurisdiction Hazard Mitigation Plan
Volume 3 – Community Mitigation Strategies

We look forward to discussing options for implementing this mitigation plan. If there are any questions from either you or the communities, please contact Meghan Cuneo at (202) 615-5294 or email at Meghan.cuneo@fema.dhs.gov.

Sincerely,

JOHN A
WETHINGTON

Digitally signed by
JOHN A WETHINGTON
Date: 2024.05.02
18:48:24 -05'00'

John Wethington
Chief, Risk Analysis Branch
Mitigation Division

APPENDIX D	MUNICIPAL AND LOCAL AGENCY ADOPTIONS F1a, F2a
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