

Exhibit A

Volume 1 of the 2024 County HMP

[see attached Executive Summary]

The entirety of Volume 1 can be located on the internet at:

<https://www.cookcountyhomelandsecurity.org/2024-volume-1>

The “Countywide Mitigation Actions” portion of Volume 2 of the 2024 County HMP

This document can be located on the internet at:

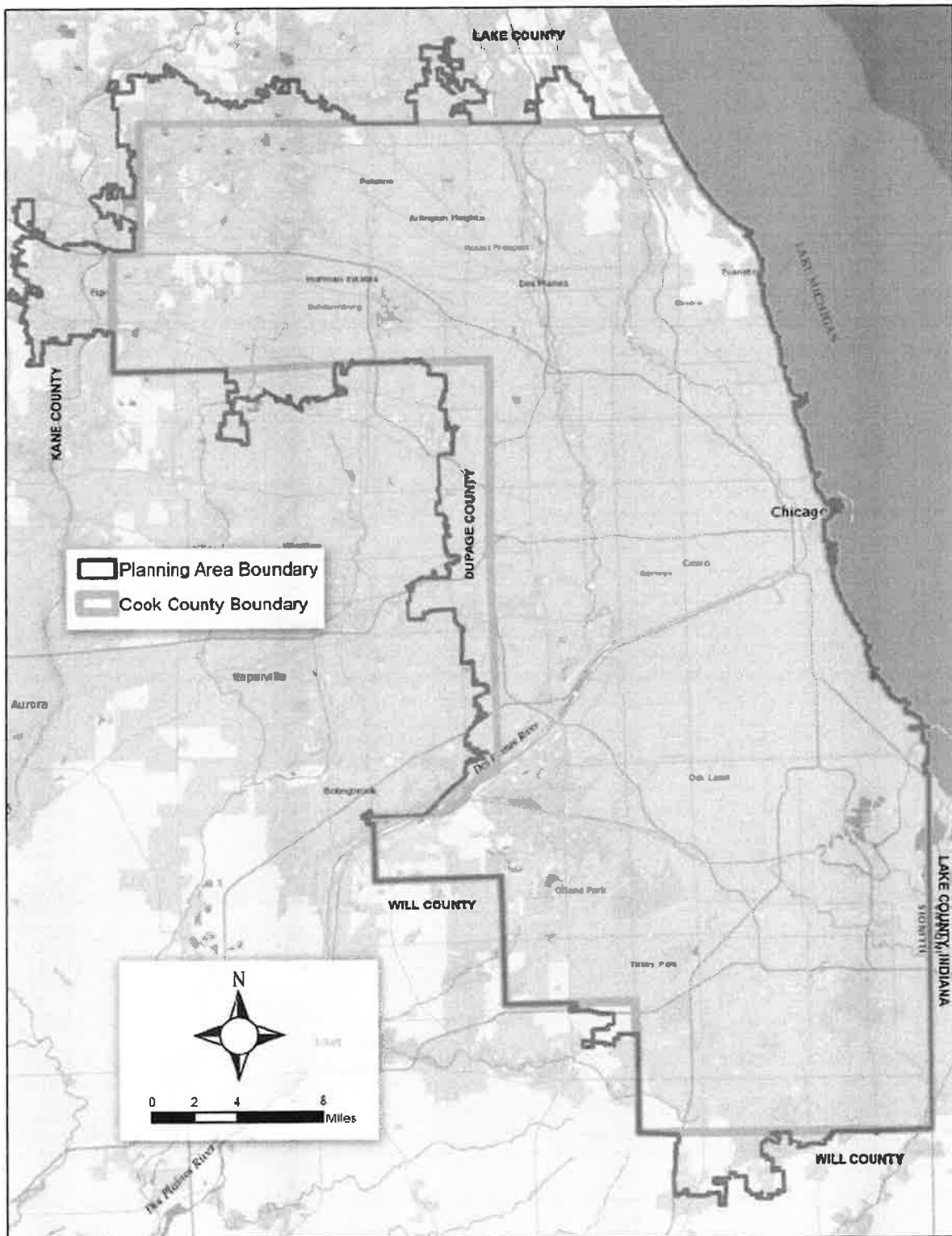
<https://www.cookcountyhomelandsecurity.org/2024-volume-2-annexes>

EXECUTIVE SUMMARY

Hazard mitigation is the use of long-term and short-term policies, programs, projects, and other activities to alleviate the death, injury, and property damage that can result from a disaster. Cook County and a coalition of 125 municipal planning partners prepared and updated the **2024 Cook County Multi-Jurisdictional Hazard Mitigation Plan (MJ-HMP)** in order to identify the risks posed by hazards and find ways to reduce their impacts. The plan reduces risk for those who live in, work in, and visit the County.

Participating Partners and the Planning Area

The responsibility for hazard mitigation lies with many, including private property owners, business and industry, and local, state, and federal government. Through multi-jurisdictional partnerships, local jurisdictions within an area with uniform risk exposure can pool resources and eliminate redundant planning activities. Cook County opened this planning effort to all municipalities within the County. *Table: Planning Partners* lists the partners that participated in the planning process and are covered under this plan. The planning area was defined as all incorporated and unincorporated areas of Cook County and the incorporated areas of cities that cross county boundaries. The planning area boundary is shown in the figure below (*Figure: Planning Area*).



The jurisdictions not participating in the 2024 MJ-HMP are border jurisdictions and are part of other county mitigation plans.

TABLE: PLANNING PARTNERS PLANNING PARTNERS COVERED BY THIS HAZARD MITIGATION PLAN		
Arlington Heights	Bellwood	Alsip
Barrington	Berkeley	Bedford Park
Buffalo Grove	Berwyn	Blue Island
Des Plaines	Broadview	Bridgeview
Elgin	Brookfield	Burbank
Elk Grove Village	City of Chicago	Burnham
Evanston	Cicero	Calumet City
Glencoe	Countryside	Calumet Park
Glenview	Elmwood Park	Chicago Heights
Golf	Forest Park	Chicago Ridge
Hanover Park	Forest View	Country Club Hills
Hoffman Estates	Franklin Park	Crestwood
Inverness	Harwood Heights	Dixmoor
Kenilworth	Hillside	Dolton
Lincolnwood	Hodgkins	East Hazel Crest
Morton Grove	Indian Head Park	Evergreen Park
Mount Prospect	LaGrange	Flossmoor
Niles	LaGrange Park	Ford Heights
Northbrook	Lyons	Glenwood
Northfield	Maywood	Harvey
Palatine	McCook	Hazel Crest
Park Ridge	Melrose Park	Hickory Hills
Prospect Heights	Norridge	Hometown
Rolling Meadows	Northlake	Homewood
Schaumburg	North Riverside	Justice
Skokie	Oak Park	Lansing
South Barrington	River Forest	Lemont
Streamwood	River Grove	Lynwood
Wheeling	Riverside	Markham
Wilmette	Rosemont	Matteson
Winnetka	Schiller Park	Merrionette Park
Barrington Hills <i>(Not Participating in 2024 Cook County MJ-HMP)</i>	Stickney	Midlothian
Bartlett <i>(Not Participating in 2024 Cook County MJ-HMP)</i>	Stone Park	Oak Forest
Deerfield <i>(Not Participating in 2024 Cook County MJ-HMP)</i>	Summit	Oak Lawn

Deer Park <i>(Not Participating in 2024 Cook County MJ-HMP)</i>	Westchester	Olympia Fields
East Dundee <i>(Not Participating in 2024 Cook County MJ-HMP)</i>	Western Springs	Orland Hills
Roselle <i>(Not Participating in 2024 Cook County MJ-HMP)</i>	Bensenville <i>(Not Participating in 2024 Cook County MJ-HMP)</i>	Orland Park
	Burr Ridge <i>(Not Participating in 2024 Cook County MJ-HMP)</i>	Palos Heights
	Elmhurst <i>(Not Participating in 2024 Cook County MJ-HMP)</i>	Palos Hills
	Hinsdale <i>(Not Participating in 2024 Cook County MJ-HMP)</i>	Palos Park
	Oak Brook <i>(Not Participating in 2024 Cook County MJ-HMP)</i>	Park Forest
		Phoenix
		Posen
		Richton Park
		Riverdale
		Robbins
		Sauk Village
		South Chicago Heights
		South Holland
		Steger
		Thornton
		Tinley Park
		University Park
		Willow Springs
		Worth
		Frankfort <i>(Not Participating in 2024 Cook County MJ-HMP)</i>
		Woodridge <i>(Not Participating in 2024 Cook County MJ-HMP)</i>

Plan Development and Organization

The 2024 Cook County MJ-HMP was updated by a planning team of Cook County Department of Emergency Management and Regional Security staff and expert consultants, with guidance from a steering committee representing the planning partners and other local stakeholders. The key steps in updating the plan were as follows:

1. Determine the Planning Area and Resources
2. Build and Reconvene the Planning Team
3. Outreach Strategy
4. Review and Update Community Capabilities
5. Update and Conduct the Risk Assessment
6. Update the Mitigation Strategy
7. Keep the Plan Current

8. Review and Adopt the Plan
9. Create a Safe and Resilient Community

The final plan consists of two volumes. Volume 1 includes all federally required elements of a disaster mitigation plan that apply to the entire planning area. Volume 2 consists of all federally required jurisdiction-specific elements in individual annexes for each participating jurisdiction.

Mission Goals and Objectives

The defined mission for the 2024 Cook County MJ-HMP is to “Identify risks and sustainable, cost-effective actions to mitigate the impact of natural hazards to protect the life, health, safety, welfare, and economy of the communities of Cook County.” Mitigation **goals** were established as follows:

1. Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects.
2. Protect the lives, health, safety, and property of Cook County residents from natural hazards.
3. Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events and potential damage from such activities.
4. Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards.
5. Develop, promote, and integrate mitigation action plans.
6. Promote public understanding of and support for hazard mitigation.

Thirteen **objectives** were established for the plan to meet multiple goals and serve as stand-alone measurements of the effectiveness of the mitigation action. Proposed mitigation actions were evaluated in part based on how many goals and objectives they would help to fulfill.

1. Eliminate or minimize disruption of local government operations caused by natural hazards through all phases of emergency management.
2. Increase the resilience of (or protect and maintain) infrastructure and critical facilities.
3. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change.
4. Integrate hazard mitigation policies into land use plans in the planning area.
5. Develop, improve, and protect systems that provide early warnings, emergency response communications, and evacuation procedures.
6. Use the best available data, science and technologies to educate the public and to improve understanding of the location and potential impacts of natural hazards, the vulnerability of building types and community development patterns, and the measures needed to protect life safety.
7. Retrofit, purchase, or relocate structures in high-hazard areas, including those known to be repetitively damaged.
8. Establish partnerships among all levels of local government, the private sector, and/or nongovernmental organizations to improve and implement methods to protect people, including underserved and underrepresented groups, and property.
9. Provide or improve flood protection on a watershed basis with flood control structures and drainage maintenance plans.
10. Strengthen codes and land use planning and their enforcement so that new construction or redevelopment can avoid or withstand the impacts of natural hazards.

11. Encourage mitigation through incentive-based programs like the Community Rating System and StormReady programs.
12. Reduce natural hazard-related risks and vulnerability to potentially isolated and underserved populations within the planning area and ensure mitigation strategies result in equitable outcomes.
13. Encourage hazard mitigation measures that have the least adverse effect on the natural environment and use natural processes.

Detailed risk assessments were performed for each of these hazards of concern. Also, a brief qualitative review was conducted of technological and human-caused hazards of interest. Climate Change was addressed for each hazard, as applicable.

Risk Assessment Methodology

The risk assessments of the identified hazards of concern describe the risks associated with each hazard. The following steps were used to define the risk of each hazard:

- Profile and update each hazard, describing the geographic area it affects, its frequency and severity, and the warning time provided before a hazard event occurs.
- Use maps of hazard impact areas, as appropriate, to determine and update the number of structures, facilities, and systems exposed to each hazard.
- Assess the vulnerability of exposed structures and infrastructure based on exposure and the probability of occurrence of a hazard event. Tools such as the Federal Emergency Management Agency's (FEMA's) hazard-modeling program HAZUS-MH were used to perform an assessment for flood and earthquake.

Profiles of Cook County Natural Hazards

The following natural hazards are addressed in the 2024 Cook County MJ-HMP. For a more detailed analysis of each hazard, please refer to Part 2. Risk Assessment.

- Dam/levee failure
 - Dam Failure
 - Levee Failure
- Drought
- Earthquake
- Flood
 - Riverine Flooding
 - Urban Flooding
 - Coastal Flooding
 - Seiche
 - Coastal Erosion
- Severe Summer Storms
 - Extreme Heat
 - Lightning
 - Hail
 - Fog

- High Winds
- Severe Winter Storms
 - Snow
 - Blizzards
 - Ice Storms
 - Extreme Cold and Wind Chill
- Tornado
- Wildfire