

Cook County - Countywide and Unincorporated

Hazard Mitigation Plan Point of Contact

Primary Point of Contact	Alternate Point of Contact
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Jurisdiction Profile

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

Date of Incorporation: January 15, 1831 ([Cook County Website](#)).

Current Townships:

North Cook County Region Townships	West Cook County Region Townships	South Cook County Region Townships
Barrington Township Elk Grove Township Hanover Township Maine Township New Trier Township Northfield Township Palatine Township Schaumburg Township Wheeling Township *The Townships of Evanston and Niles do not contain any unincorporated residents.	Leyden Township Lyons Township Norwood Park Township Proviso Township Riverside Township Stickney Township *The Townships of Cicero, Oak Park, and River Forest do not contain any unincorporated residents.	Bloom Township Bremen Township Lemont Township Orland Township Palos Township Rich Township Thornton Township Worth Township *The Township of Calumet does not contain any unincorporated residents.

Location and Description: Cook County is located in northeast Illinois on the western shore of Lake Michigan. It is the most populous of Illinois' 102 counties.

According to the [Cook County Government Website](#), the City of Chicago and the suburban municipalities account for approximately 85% of the County's 946 square miles, while unincorporated areas make up the remaining 15%. The unincorporated areas are under the jurisdiction of the Cook County Board of Commissioners, a 17-member board elected by district. ([Cook County Website](#)).

Brief History: The legislative act creating Cook County was passed by the General Assembly of Illinois and was approved on January 15th, 1831. The same act also designated Chicago as the county seat. The Cook County Board was organized the following March in 1831 when the first commissioners, Samuel Miller, Gholson, Kercheval, and James Walker, took the oath of office as the elected government officials of Cook County and held their first court in Chicago. During the same election, as directed by the General Assembly of Illinois, a sheriff and a coroner were also elected into public positions within the county. The first meeting of the Board of Commissioners occurred at Fort Dearborn over the course of two days and undertook the responsibilities for the poor, sick, prisoners, roads, courts, elections, and taxation within the county.

At its date of incorporation, Cook County had approximately 100 residents within the 2,464 square miles that covered what are now Lake, DuPage, Will, McHenry, and Cook Counties. By 1839, Cook County had lost over half of its territory and was partitioned into the current jurisdictional boundaries seen today. Despite the decrease in land within the county in the 1830s, the population growth continued to increase for almost 150 years. During the 1830s and 1840s, the land in Cook County was purchased by farmers and used for agriculture and to raise livestock. Without industrial infrastructure like railroads, some farmers took their crops to Chicago, while others went to smaller outlying settlements. This helped smaller settlements grow in population and industry to fulfill the needs of local farmers.

In 1878, the Illinois legislature voted in favor of allowing counties to adopt local townships, which would take on some of the County Government responsibilities, such as collecting taxes, running schools, and maintaining roads. Cook County was initially subdivided into 27 townships and would later incorporate many more as the population and size of the county grew. In the wake of the building and industrial boom of the 1920s, farmland within Cook County steadily disappeared. A second large housing and infrastructure development increase occurred after World War Two with the increase in loans insured by the Federal Housing Administration (FHA) and Department of Veterans Affairs (VA) for returning veterans. By the 1980's most of the remaining farmland within the county was bought and developed to accommodate the number of Cook County residents living outside of Chicago. A significant shift in the population disbursement was seen from the early years following the incorporation of Cook County to the most recent 25 year period. In 1889 almost 90% of the population of Cook County lived within Chicago. By 1990, 55% of the county population lived within Chicago, showing a more even disbursement throughout the jurisdiction.

Climate: The climate of Cook County has 4 distinct seasons with large variability seen in both temperature and precipitation throughout the year. The temperatures within the County range from the average daytime highs of 84 degrees Fahrenheit in July to the average nighttime lows of 18 degrees Fahrenheit in January. The precipitation in Cook County in the past 30 years ranges from a monthly average of 1.8 inches in February to a monthly average of 3.5 inches in June. Cook County can see large variations in the weather due to the lake effect from Lake Michigan and incoming weather systems. The highest recorded temperature in Cook County was 105 degrees Fahrenheit on July 24th, 1934 and the lowest recorded temperature was -27 degrees Fahrenheit on January 20th, 1985. Cook County has experienced a variety of extreme weather conditions, which historically include: floods, snowstorms, hail, ice storms, blizzards, high winds, and heatwaves.

Governing Body Format: The Cook County Board of Commissioners is the legislative body of government, with the President serving as the County Board's Chief Executive Officer. As the Chief Executive Officer, the President presides over the meetings of the County Board and supervises departments that are responsible for a variety of direct and support services. The President is elected to a four-year term by the voters of the entire county. The Cook County Board of Commissioners is comprised of seventeen Commissioners, each serving a four-year term and is elected from single-member districts. Each district represents approximately 300,000 residents. Eleven independently elected officials run the additional Cook County governmental offices that oversee many functions and services of county government. The County Board of Commissioners has no direct control over these offices, except in the passage of their budgets and approvals of their bond issues, contracts, and large expenditures. This body of government will assume the adoption and implementation of the Hazard Mitigation Plan.

Development Trends: Cook County is the second largest County in the Country. The 135 municipalities that comprise Cook County – including the City of Chicago – each govern development within their borders. A significant unincorporated land area and population also exist, and the County government oversees development activity in the unincorporated areas. In total, there are 1,500 taxing districts within the County.

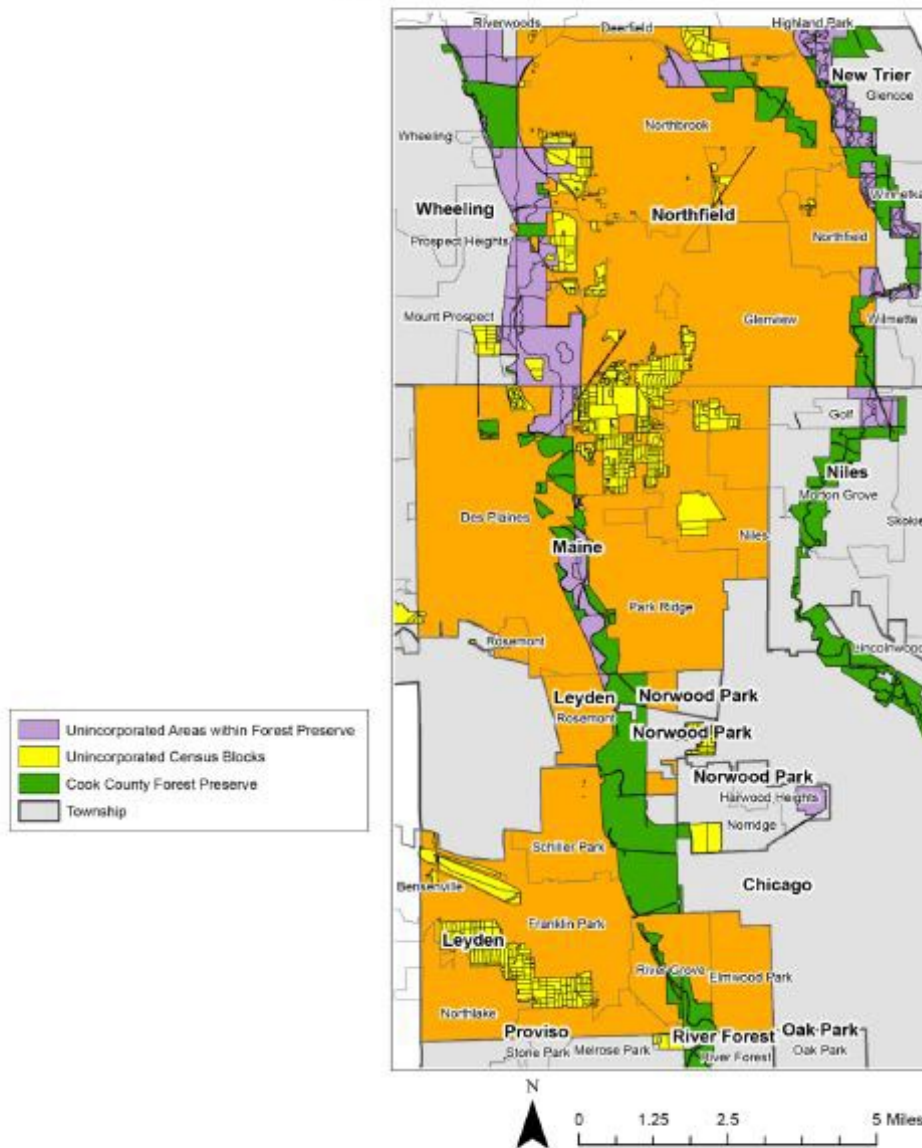
Revitalizing older industrial inner suburbs: One overall development trend impacting the County is the challenge facing older industrial inner suburbs. Significant business and job losses have left high unemployment and considerable vacant property in some suburbs. A considerable portion of the vacant properties have issues that pose public health or safety concerns. Despite growing vacancies, jurisdictions are working to maintain their services and infrastructure. The lack of taxes collected on vacant property shifts a higher tax burden on residents and existing businesses. The older industrial suburban areas have a significant potential for residential, commercial, and industrial redevelopment due to their location efficiency to the region's transportation assets. There have been several initiatives which seek to address hurdles to redevelopment.

Foreclosure crisis: The County formed the Cook County Land Bank Authority to acquire vacant and neglected property and make it into productive use.

Brownfields: The Millennium Reserve Calumet Area seeks to clean up 140,000 acres of brownfields and transform a 220 square mile region that includes numerous neighborhoods on Chicago's south side, the southeast lakefront, and 35 south suburban municipalities. The Brownfield Remediation and Intermodal Promotion Act grant fund initiative aimed to remediate and reuse brownfields to create intermodal, warehousing and light manufacturing jobs on over 1,500 industrial acres in a designated zone of freight-rich southern Cook County.

Flood remediation: The U.S. Army Corps of Engineers, Chicago District released a plan in September 2013, that outlines a variety of potential flood risk management and ecosystem restoration projects that could be implemented along the Upper Des Plaines River area. This area includes portions of Cook County that have chronic flooding issues. The plan seeks to reduce flood risk in communities across the watershed while increasing forest habitats that could be used for recreational trails.

Unincorporated Areas and Forest Preserves in Cook County



Source: Cook County Department of Geographic Information Systems Unincorporated Zoning data, 2014.

Map: *Unincorporated Areas and Forest Preserves in Cook County*

Source: [Civic Federation - Unincorporated Cook County](#)

TABLE: LEGAL AND REGULATORY CAPABILITY					
	Local Authority	State or Federal Prohibitions	Other Jurisdictional Authority	State Mandated	Comments
Codes, Ordinances & Requirements					
Building Code	Yes	Yes	Yes	No	Cook County Building Code Amended May 29, 2014; Cook County Department of Building and Zoning Land Development Ordinances Part II, Land Development Ordinances Chapter 106 (Unincorporated County); Reference Municipal Annexes.
Zonings	Yes	No	No	Yes	Ord. No. 01-O-30, as adopted by the County Board on November 6, 2001
Subdivisions	Yes	No	No	No	Cook County Department of Building and Zoning Land Development Ordinances Part II Storm Water
Stormwater Management	No	No	Yes	Yes	Cook County Watershed Management Ordinance adopted October 3, 2013 by the Metropolitan Water Reclamation District (MWRD)
Post Disaster Recovery	No	No	No	No	

Real Estate Disclosure	No	No	Yes	Yes	(765 ILCS 77/) Residential Real Property Disclosure Act.
Growth Management	No	No	No	No	
Site Plan Review	Yes	No	No	No	Cook County Department of Building and Zoning
Public Health and Safety	Yes	No	No	No	Cook County Department of Public Health
Environmental Protection	Yes	Yes	Yes	Yes	Cook County Department of Environmental Control, Illinois EPA, Illinois Department of National Resources, and U.S. EP
Planning Documents					
General or Comprehensive Plan	Yes	Yes	Yes	Yes	CCED: Five-year consolidated plan under revision; annual updates submitted to HUDD; includes housing, community development, and economic development.
<i>Is the plan equipped to provide integration to this mitigation plan?</i>					Yes
Floodplain or Basin Plan	No	No	No	No	
Stormwater Plan	Yes	No	Yes	Yes	Cook County Storm Water Management Plan adopted February 15, 2007; Cook County Watershed Management Ordinance adopted October 3, 2013; 55 ILCS 5/5-1062

Capital Improvement Plan	Yes	No	No	Yes	Cook County 2014 Budget, Capital Improvement Program.
<i>What types of capital facilities does the plan address?</i>					Cook County facilities, hospitals, roads, etc.
<i>How often is the plan revised/updated?</i>					Annually, as a function of budget.
Habitat Conservation Plan	Yes	Yes	No	No	Illinois Department of Natural Resources; and Cook County Forest Preserve District Natural and Cultural Resources Master Plan by December 2014
Economic Development Plan	Yes	Yes	No	No	Cook County Department of Planning and Development: Required by Federal Economic Development Administration, 2015 Cook County Economic Development Strategy Plan under revision; Cook County Council of Economic Advisors CC Partnering for Prosperity.
Shoreline Management Plan	No	No	No	No	
Community Wildfire Protection Plan	No	Yes	No	No	Cook County Forest Preserve District Plan updated annually.

Response/Recovery Planning					
Comprehensive Emergency Management Plan	Yes	Yes	No	Yes	Cook County Emergency Operations Plan – under update for 2014 completion. IEMA Plan and FEMA Plan.
Threat and Hazard Identification and Risk Assessment	Yes	Yes	No	Yes	THIRA completed in 2013 and updated annually.
Terrorism Plan	Yes	Yes	No	Yes	
Post-Disaster Recovery Plan	No	No	No	No	
Continuity of Operations Plan	Yes	Yes	No	Yes	Currently in development and addressed in the Appendix to Cook County Emergency Operations Plan
Public Health Plans	Yes	Yes	No	Yes	U.S. Department of Health and Human Services; Illinois Department of Public Health; Cook County Department of Public Health

TABLE: FISCAL CAPABILITY	
Financial Resources	Accessible or Eligible to Use?
Community Development Block Grants	Yes
Capital Improvements Project Funding	Yes
Authority to Levy Taxes for Specific Purposes	Yes
User Fees for Water, Sewer, Gas or Electric Service	No
Incur Debt through General Obligation Bonds	No
Incur Debt through Special Tax Bonds	No
Incur Debt through Private Activity Bonds	No
Withhold Public Expenditures in Hazard-Prone Areas	Yes
State Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	No
Other	

TABLE: ADMINISTRATIVE AND TECHNICAL CAPABILITY		
Staff/Personnel Resources	Available?	Department/Agency/Position

Planners or engineers with knowledge of land development and land management practices	Yes	Cook County Departments of: Transportation and Highways, Planning and Development, Environmental Control, and the Metropolitan Water Reclamation District
Engineers or professionals trained in building or infrastructure construction practices	Yes	Cook County Department of Building and Zoning, Office of Capital Planning and Policy, and the Department of Transportation and Highways
Planners or engineers with an understanding of natural hazards	Yes	Cook County Departments of: Transportation and Highways, Environmental Control, Homeland Security and Emergency Management and the Metropolitan Water Reclamation District
Staff with training in benefit/cost analysis	Yes	Cook County Departments of: Planning and Development, Budget and Management Services and Bureau of Finance
Surveyors	Yes	Cook County Department of Transportation and Highways, Office of Capital Planning and Policy, and the Metropolitan Water Reclamation District.
Personnel skilled or trained in GIS applications	Yes	Multiple individuals throughout the County Departments
Scientist familiar with natural hazards in local area	Yes	Cook County Forest Preserve District
Emergency manager	Yes	Cook County Department of Homeland Security and Emergency Management
Grant writers	Yes	Multiple individuals throughout various County Departments

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Department of Building and Zoning
Who is your jurisdiction's floodplain administrator? (department/position)	This position is not currently staffed
Are any certified floodplain managers on staff in your jurisdiction?	Yes
What is the date of adoption of your flood damage prevention ordinance?	August 2008
When was the most recent Community Assistance Visit or Community Assistance Contact?	August 2011
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, please state what they are.	Yes, 2 minor violations
Do your flood hazard maps adequately address the flood risk within your jurisdiction? (If no, please state why)	No – the County currently needs urban, storm sewer, and riverine (stream gauge) data.
Does your floodplain management staff need any assistance or training to support its floodplain management program? If so, what type of assistance/training is needed?	Yes – Training is needed covering current practices.

<p>Does your jurisdiction participate in the Community Rating System (CRS)? If so, is your jurisdiction seeking to improve its CRS Classification? If not, is your jurisdiction interested in joining the CRS program?</p>	<p>No Yes – Cook County is interested in joining the CRS Program.</p>
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Substantial Improvement Rule and the Substantial Damage Rule

The IDNR/OWR has developed a model ordinance for floodplain management, which has been adopted by most communities in Illinois. The ordinance includes the minimum requirements an NFIP participating jurisdiction must adopt and enforce, as well as additional higher regulatory requirements. The optional, higher regulatory standards include a minimum one foot of freeboard above the base flood elevation and cumulative tracking of damage repairs and improvements to establish substantial damage and substantial improvement compliance. Some jurisdictions have chosen to exceed the requirements of the model ordinance and have adopted more restrictive ordinances. This is most common in the communities in northeastern Illinois.

Existing Municipal Code:

Sec. 106-2 Definitions

Structure means the results of a manmade change to the land constructed on or below the ground, including the construction, reconstruction or placement of a building or any addition to a building; installing a manufactured home on a site; preparing a site for a manufactured home or installing a travel trailer on a site for more than 180 days unless they are fully licensed and ready for highway use.

Substantial damage. A building is considered substantially damaged when it sustains damage from any cause (fire, flood, earthquake, etc.), whereby the cost of fully restoring the structure would equal or exceed 50 percent of the pre-damage market value of the structure, regardless of the actual repair work performed.

Substantial improvement means any repair, reconstruction or improvement of a structure, where the cost of the improvements equals or exceeds 50 percent of the market value of the structure or increases the floor area by at least 20 percent, with the calculation of initial value or measurement of initial floor area to be taken at the latest point in time prior to the repair, reconstruction or improvement.

(1) For the purposes of this definition substantial improvement is considered to occur when the first alteration of any wall, ceiling, floor, or other structural part of the building commences, whether or not that alteration affects the external dimensions of the structure.

(2) The term "substantial improvement" does not include any project for improvement of a structure to comply with existing State or local health, sanitary, or safety code specifications which are solely necessary to assure safe living conditions or any alteration of a historic structure, provided that the alteration will not preclude the structure's continued designation as a historic structure.

Sec. 102-105 Administration and Enforcement

(1) *The Building Department.* There is hereby created the Building Department of the County of Cook, vested with the administration of the Code and consisting of the Building Commissioner, Deputy Building Commissioner, and such other officers and employees as are herein designated and such as the county board of Commissioners may provide for in its annual appropriation ordinance.

Said Building Department shall include the office of the Commissioner, administrative services, engineering services, and inspection services.

All officers and employees of said department shall be under the direction and supervision of the Building Commissioner, and shall perform such duties as may be required of them by said building commissioner and by provisions of this Ordinance.

(3) *Permits, Certificates and Plans.*

1. *Building Permits.*

a. *Permit Required.*

(1) It shall be unlawful to erect, construct, alter, relocate, or demolish, or to commence the erection, construction, alteration, relocation, or demolition of any building or any structure, including, but not limited to, decks, sheds, fences, roofs, driveways, and windows, install equipment for the operation of a building or structure, including, but not limited to, plumbing, electrical, heating, ventilation, and air conditioning (HVAC), and mechanical equipment, elevators, sprinklers, and similar equipment, and the installation of insulation requiring the cutting or removing of drywall, without first filing with the Building Commissioner an application in writing and obtaining a permit, make site improvements that change surface topography or affect storm water drainage, or install or modify stormwater infrastructure, except as provided in [paragraph] c., below.

(2) Permit shall also be required for all proposed construction, substantial improvements, or other development, including the placement of mobile homes within floodplain areas having special flood hazards.

(3) The building permit application will be reviewed to assure that any proposed construction within flood plain areas are:

(a) Designed and anchored to prevent flotation, collapse or lateral movement of the structure.

(b) Constructed with materials and utility equipment resistant to flood damage.

(c) Constructed by methods and practices that minimize flood damage.

(d) At the time of issuance and/or prior to complying such building permits, the following information shall be noted and recorded:

(i) Elevation of the lowest floor (including basement);

(ii) Where the elevation of the lowest floor is below grade, on one or more sides, the elevation of the floor immediately above;

(iii) Where a structure has been floodproofed; the elevation to which the structure was floodproofed.

(e) The Building Commissioner may, at his discretion, request additional drawings and documented sources of information to verify that construction location will be outside the floodplain or flood table areas.

(4) Such permits, or placard indicating the possession of same, shall be posted in a conspicuous place upon the exterior of the premises for which it is issued, and shall remain so posted at all times until the work is completed and approved.

b. Prior Approval of Other Authorities.

(3) No Building permit shall be issued for construction in a floodplain until Plan approval (when applicable) has been secured from the following agencies:

United States Corps of Engineers

Illinois Department of Transportation, Division of Water Resources

Illinois Environmental Protection Agency

Metropolitan Sanitary District of Greater Chicago

North Cook County Soil and Water Conservation District

Cook County Clerk's Office Map Department

Cook County Health Department

Cook County Highway Department

Cook County Zoning Board of Appeals

Sec. 106.4 Duties of the Enforcement Officials

The Department shall be responsible for the general administration and enforcement of this chapter, which shall include the following:

(1) Determining the floodplain designation.

a. Checking all proposed development sites to determine whether the site is in a special flood hazard area (SFHA) in unincorporated Cook County.

b. If the development site is in a special flood hazard area (SFHA), determining whether the site is located in a floodway, flood fringe or in a floodplain for which a detailed study has not been conducted and which drains more than one square mile.

c. Checking whether the development is potentially within an extended special flood hazard area (SFHA) (with a drainage area of less than one square mile), indicating that the development would have adverse impacts regarding storage, conveyance, or inundation which would be the basis for the applicant being required to delineate the floodplain and floodway and be subject to the provisions of the remaining sections of this chapter.

d. If the site is within a Coastal High Hazard Area, require that the minimum requirements of [Section 106-9](#) be met.

Sec. 106-9 Permitting Requirements Applicable to all Floodplain Areas

In addition to the requirements found in Sections [106-6](#)—106-8 for development in flood fringes, designated floodways, and special flood hazard areas (SFHAs) or floodplains where no floodways have been identified (Zones A, AO, AH, AE, A1-A30, A99, VO, V1-30, VE, V, M, E, D, or X), the following requirements shall be met

(3) *Protecting buildings.*

a. All buildings located within a 100-year floodplain also known as a special flood hazard area (SFHA), and all buildings located outside the 100-year floodplain but within the 500-year floodplain, shall be protected from flood damage below the flood protection elevation. This building protection criteria applies to the following situations:

1. Construction or placement of a new building;
2. Substantial improvement made to an existing building; If substantially improved, both the existing building and any addition must meet the flood protection standards of this section.
3. Installing a manufactured home on a new site or a new manufactured home on an existing site. This building protection requirements does not apply to returning a mobile home to the same site it lawfully occupied before it was removed to avoid flood damage; and
4. Installing a travel trailer on a site for more than 180 days.
5. A substantially damaged building under repair. Substantial damage shall be figured cumulatively subsequent to April 1, 1990. If substantially damaged, the entire building must meet the flood protection standards of this section

b. This building protection requirement may be met by one of the following methods:

1. A residential or nonresidential building, when allowed in zones A, AO, AH, and AE, may be constructed or substantially improved on permanent land fill in accordance with the following:

(i). The lowest floor (including basement) shall be at or above the flood protection elevation (FPE) as defined in [Section 106-1](#).

(ii) Fill requirements.

A. The fill shall be placed in layers no greater than one foot deep before compaction and should extend at least ten feet beyond the foundation of the building before sloping below the flood protection elevation.

B. The top of the fill shall be above the flood protection elevation. However, the ten-foot minimum may be waived if an Illinois licensed structural engineer certifies an alternative method to protect the building from damages due to hydrostatic pressures.

C. The fill shall be protected against erosion and scour.

D. The fill shall not adversely affect the flow or surface drainage from or onto neighboring properties.

f. In a Coastal high hazard area (zone VE), the building protection requirements of this Section must be met according to the following criteria:

1. All New Construction and Substantial Improvements shall be elevated on pilings or columns so that the bottom of the lowest horizontal structural member of the Lowest Floor (excluding the pilings or columns) is elevated to or above the FPE, and the pile or column foundation and structure attached thereto is anchored to resist flotation, collapse, and lateral movement due to the effects of wind and water loads acting simultaneously on all building components.

(i) Water loading values used shall be those associated with the Base Flood.

(ii) Wind loading values shall be those defined according to American Society of Civil Engineers 7-16 Minimum design loads and associated criteria for buildings and other structures, or other equivalent standard.

2. A registered professional engineer or architect shall develop or review the structural design, specifications and plans for the construction, and shall certify that the design and methods of construction to be used are in accordance with accepted standards of practice for meeting the provisions of Subsection [106-9\(3\)f.1](#).

3. All New Construction and Substantial Improvements shall have the space below the Lowest Floor either free of obstruction or constructed with non-supporting Breakaway Walls, open wood lattice-work, or insect screening intended to collapse without causing collapse, displacement, or other structural damage to the elevated portion of the building or supporting foundation system.

(i) For the purpose of Subsection [106-9\(3\)](#), a Breakaway Wall shall have a design safe loading resistance of not less than ten and no more than 20 pounds per square foot.

(ii) Use of Breakaway Walls which exceed a design safe loading resistance of 20 pounds per square foot (either by design or where so required by local or state codes) may be permitted only if a registered professional engineer or architect certifies that the designs proposed meet all of the following conditions:

A. Breakaway Wall collapse shall result from a water load less than that which would occur during the base flood; and

B. The elevated portion of the Building and supporting foundation system shall not be subject to collapse, displacement, or other structural damage due to the effects of wind and water loads acting simultaneously on all building components (structural and non-structural). Water loading values shall be those associated with the base flood. Wind loading values shall be those defined according to American Society of Civil Engineers 7-16 Minimum design loads and associated criteria for buildings and other structures, or equivalent standard.

C. All space enclosed by Breakaway Walls, open wood lattice-work, or insect screening below the lowest floor shall be used solely for parking of vehicles, building access, or storage.

4. Placement or Substantial Improvement of Manufactured Homes must comply with Section 106.9.

5. Recreational Vehicles, including park models, must either be on site for fewer than 180 consecutive days; or be fully licensed and ready for highway use; or comply with Section 106.9.

	Participating?	Classification	Date Classified
Community Rating System	N/A	N/A	N/A
Building Code Effectiveness Grading Schedule	Yes	Unknown	Unknown
Public Protection/ISO	Yes	Unknown	Unknown
StormReady	Yes	Gold (Countywide)	2014
Tree City USA	No	N/A	N/A

Jurisdiction-Specific Natural Hazard Event History

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

The *Natural Hazard Events Table* lists all past occurrences of natural hazards within the jurisdiction. Repetitive flood loss records are as follows:

- Number of FEMA-Identified Repetitive Loss Properties: 101 (91 Single Family, 5 Two-Four Family Residence, 3 Other Residential, 2 Other - Nonresidential)
- Number of FEMA-Identified Severe Repetitive Loss Properties: 12 (11 Single Family, 1 Two-Four Family Residence)
- Number of Repetitive Flood Loss/Severe Repetitive Loss Properties That Have Been Mitigated: 1

Federal Disasters Declared

Disaster Declaration Number	Date Declared	Event
DR-227	4/25/1967	Tornado
DR-351	9/4/1972	Flood
DR-373	4/26/1973	Flood
DR-509	6/18/1976	Severe Storm(s)
DR-643	6/30/1981	Severe Storm(s)
DR-776	10/7/1986	Flood
DR-798	8/21/1987	Flood
DR-997	7/9/1993	Flood
DR-1129	7/25/1996	Severe Storm(s)
DR-1188	9/17/1997	Severe Storm(s)
DR-1729	9/25/2007	Severe Storm(s)
DR-1800	10/3/2008	Severe Storm(s)
DR-1935	8/19/2010	Severe Storm(s)
DR-1960	3/17/2011	Snow
EM-3068	1/16/1979	Snow
EM-3134	1/8/1999	Snow
EM-3161	1/17/2001	Snow
EM-3230	9/7/2005	Hurricane – Katrina Evacuation
EM-3435	3/13/2020	Biological

DR-4116	5/10/2013	Flood
DR-4489	3/26/2020	Biological
DR-4728	8/15/2023	Severe Storm(s)
DR-4749	11/20/2023	Flood

State Disaster Declarations

Date Declared	Event
7/26/2010	Severe Storms, High Winds, Torrential Rain
1/31/2011	Winter Weather
4/25/2011	High Wind, Tornadoes, Torrential Rain
5/25/2011	
4/18/2013	Severe Storms, Heavy Rainfall, Flooding, Straight-line Winds
4/20/2013	
4/21/2013	
4/25/2013	
4/30/2013	
1/6/2014	Heavy Snowfall, Frigid Temperatures
7/12/2017	Thunderstorms, Heavy Rainfall, Flooding
7/14/2017	
1/29/2019	Winter Storm
2/6/2020	Severe Storms
3/12/2020 – present (reissued monthly)	COVID-19
2/16/2021	Winter Storms
2/1/2022	Winter Storms
8/1/2022 (reissued monthly through 10/28/2022)	Monkeypox

Hazard Risk Ranking

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

Rank	Hazard Type
1	Severe Winter Weather
2	Severe Weather
3	Flood (including urban flooding)
4	Earthquake
5	Tornado
6	Drought
7	Dam Failure

New Mitigation Actions

The following are new mitigation actions created during the 2024 update.

CW – Countywide

CCU – Cook County Unincorporated

CW.47

Mitigation Action #47: Maintenance of Existing Green Infrastructure Projects					
Lead Agency/Department Organization: Cook County, Administration	Supporting Agencies/Organizations: City of Chicago	Estimated Cost: High	Potential Funding Source: Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC) Flood Mitigation Assistance (FMA) Program Community Development Block Grant (CDBG)	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flood (Riverine, Urban, Coastal/Shoreline) Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)
Year Initiated		2025			
Applicable Jurisdiction		Cook County			
Applicable Goal		1,2,3			
Applicable Objective		2,3,12,13			
Cost Analysis (Low, Medium, High)		High			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			

Action/Implementation Plan and Project Description:	Securing funding for maintenance of existing green infrastructure projects that are reducing flooding and/or reducing heat, such as tree canopy expansions, rain gardens, pocket gardens, etc.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	N

CW.48

Mitigation Action #48: Upgrade Infrastructure Investments					
Lead Agency/Department Organization: Cook County, Administration	Supporting Agencies/Organizations: City of Chicago	Estimated Cost: High	Potential Funding Source: Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC) Flood Mitigation Assistance (FMA) Program Community Development Block Grant (CDBG)	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flood (Riverine, Urban, Coastal/Shoreline) Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds) Severe Winter Weather (Ice Storm, Heavy Snow, Blizzards, Extreme Cold)
Year Initiated	2025				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3,4				
Applicable Objective	1,2,8,12,13				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	Medium				

VOLUME 2: MJ-HMP JURISDICTIONAL ANNEXES

Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	Take measures to upgrade infrastructure investments at community cooling and warming sites, such as libraries, schools, parks and other existing government-owned and operated resiliency sites
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	N

CW.49

Mitigation Action #49: Study and implement improvements to sewer/wastewater infrastructure to mitigate impacts from severe weather and flooding.					
Lead Agency/Department Organization: Build Up Cook	Supporting Agencies/Organizations: Underserved municipalities in Cook County that qualify	Estimated Cost: High	Potential Funding Source: Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC) Flood Mitigation Assistance (FMA) Program Community Development Block Grant (CDBG), In-Kind Labor	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flood (Riverine, Urban, Coastal/Shoreline) Severe Weather (Extreme Heat, Lightning, Hail, Fog, High Winds)
Year Initiated		2024			
Applicable Jurisdiction		Cook County			

Applicable Goal	1,2,3
Applicable Objective	2, 3, 12, 13
Cost Analysis (Low, Medium, High)	High
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	Build Up Cook works with Cook County's most under-resourced municipalities to build up their capacity for capital infrastructure. To have our municipalities be in compliance with the Clean Air Act, we are requesting assistance scoping multi jurisdictional investments to improve sewer infrastructure.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	N

CW.50

Mitigation Action #50: Study, assess, and identify mitigation alternatives to increase resilience of water infrastructure to reduce water main breaks.					
Lead Agency/Department Organization: Build Up Cook	Supporting Agencies/Organizations: Underserved municipalities that qualify	Estimated Cost: High	Potential Funding Source: Hazard Mitigation Grant Program (HMGP) Building Resilient Infrastructure and Communities (BRIC) Community Development Block Grant (CDBG) In-Kind Labor	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Severe Winter Storms (Snow, Blizzards, Ice Storms, Extreme Cold)

Year Initiated	2024
Applicable Jurisdiction	Cook County
Applicable Goal	1,2,3
Applicable Objective	2,3,12,13
Cost Analysis (Low, Medium, High)	High
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	Build Up Cook works with Cook County's most under-resourced municipalities to build up their capacity for capital infrastructure. Several of our municipalities are experiencing an increase in water main breaks as a result of the change in climate. The results lead to flooding, compromised drinking water, and incurred debt to resolve the issue. We are requesting assistance scoping out replacing water mains in our BUC municipalities.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	N

Ongoing Mitigation Actions

During the 2024 update, these "ongoing" mitigation actions and projects were modified and/or amended, as needed.

CW – Countywide

CCU – Cook County Unincorporated

Action CCU.2

Mitigation Action #CCU2: Review the existing debris management plan and update as necessary.					
Lead Agency/Department Organization: DOTH, EMRS	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund	Estimated Projected Completion Date:	Hazard(s) Mitigated: All

				Short-term, ongoing	
Year Initiated	2014				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3,5				
Applicable Objective	813				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I				

Action CCU.4

Mitigation Action #CCU4: Review current building codes, ordinances, and zoning guidelines and update as necessary.					
Lead Agency/Department Organization: DBZ, DOTH, MWRD	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3,5				
Applicable Objective	1, 2, 3,7,9,19				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority	O				

<p>Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>	
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Action CCU.9

Mitigation Action #CCU9: Continue our partnership with the National Oceanic and Atmospheric Administration (NOAA).					
Lead Agency/Department Organization: EMRS, BOT	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term, ongoing	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		Cook County			
Applicable Goal		1,2,3			
Applicable Objective		5, 6, 8, 12, 13			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:		Yearly weather update meetings are being held with County staff and partners.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action CCU.10

Mitigation Action #CCU10: Expand the Cook County EMRS training program to include: county-wide elected officials, emergency managers, and other key emergency response personnel.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source:	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All

			General Fund, SHSP, HSGP		
Year Initiated	2014				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3,4				
Applicable Objective	8, 12, 13				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:	Conducted nine (9) Leading Through Crisis Trainings in 2016. And will continue to be conducted throughout 2017.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O				

Action CCU.11

Mitigation Action #CCU.11—Integrate the Hazard Mitigation Plan (HMP) and Threat Hazard Identification Risk Assessment (THIRA) into other plans, programs, and initiatives that enhance or support all phases of emergency management.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium, DPD, MWRD	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term, ongoing	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3,4,5,6				
Applicable Objective	All				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:	Completed yearly through the THIRA/SPR				

Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CCU.12

Mitigation Action #CCU.12 - Support homeowner education on flood insurance programs.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium, DPD, MWRD	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term, ongoing	Hazard(s) Mitigated: Flooding
Year Initiated		2014			
Applicable Jurisdiction		Cook County			
Applicable Goal		1,2,3,4,5,6			
Applicable Objective		6,8			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Low			
Action/Implementation Plan and Project Description:		Provide NFIP updates and changes.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action CCU.13

Mitigation Action #CCU.13—Consider building code provisions to reduce earthquake damage risk.					
Lead Agency/Department Organization: DBZ, OCPP	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source:	Estimated Projected	Hazard(s) Mitigated: Earthquakes

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			General Fund	Completion Date: Long-term	
Year Initiated	2014				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3				
Applicable Objective	2,10				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I				

Action CCU.15

Mitigation Action #CCU.15—Develop a mass notification system for tornadoes					
Lead Agency/Department Organization:	Supporting Agencies/Organizations:	Estimated Cost:	Potential Funding Source:	Estimated Projected Completion Date:	Hazard(s) Mitigated:
EMRS		High	General Fund, BRIC, HMGP	Short-term	Tornado
Year Initiated	2014				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3,4,5,6				
Applicable Objective	2,5,8,12				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				
Action/Implementation Plan and Project Description:	Continue to maintain and improve the Everbridge system.				
Actual Completion Date or Ongoing Indefinite					

<p>Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>	<p>I Still in Development</p>
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Action CCU.16

Mitigation Action #CCU.16: Consider public education programs on tornado warning protocols and shelter facilities					
Lead Agency/Department Organization: EMRS	Supporting Agencies/Organizations:	Estimated Cost: High	Potential Funding Source: General Fund, BRIC, HMGP	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Tornado
Year Initiated		2014			
Applicable Jurisdiction		Cook County			
Applicable Goal		1,2,3,4,5,6			
Applicable Objective		2,5,8,12			
Cost Analysis (Low, Medium, High)		High			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:		Part of the mass notification system training.			
Actual Completion Date or Ongoing Indefinite					
<p>Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>	<p>X</p>				

Action CCU.17

Mitigation Action #CCU.17—Conduct regular analysis to identify vulnerabilities within Countywide communication systems					
Lead Agency/Department Organization: EMRS, BOT	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source:	Estimated Projected Completion Date:	Hazard(s) Mitigated: Severe Weather

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			General Fund, HSGP	Short-term	
Year Initiated	2014				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3				
Applicable Objective	1, 2, 5, 8				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:	EMRS preforms a communication exercise on the statewide StarCom network the 1st Tuesday of each month with 256 of our public safety partners.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O				

Action CCU.18

Mitigation Action #CCU.18—Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.					
Lead Agency/Department Organization: EMRS, DBZ, DPD, MWRD, IDNR	Supporting Agencies/Organizations:	Estimated Cost: High	Potential Funding Source: General Fund, BRIC, HMGP, FMA	Estimated Projected Completion Date: Short-term, ongoing	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3				
Applicable Objective	9, 10, 11, 13				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				

Action/Implementation Plan and Project Description:	EMRS was awarded a 1.6 million dollar Flood Mitigation Assistance grant to buyout FEMA and IEMA eight (8) severe repetitive loss flood prone properties.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I

Action CCU.19

Mitigation Action #CCU.19—Coordinate with MWRD for flood-related mitigation projects.					
Lead Agency/Department Organization:	Supporting Agencies/Organizations:	Estimated Cost:	Potential Funding Source:	Estimated Projected Completion Date:	Hazard(s) Mitigated:
MWRD, EMRS, Public Safety Consortium		Medium	General Fund, HMGP, BRIC, FMA	Short-term, ongoing	Flooding
Year Initiated	2014				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3				
Applicable Objective	All				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				
Action/Implementation Plan and Project Description:	Currently working with MWRD to buyout flood prone properties.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O				

Action CCU.22

Mitigation Action #CCU.22—Consider obtaining easements for planned and regulated public use of privately-owned/ publicly owned land for temporary water retention and drainage.					
Lead Agency/Department Organization: MWRD, DBZ, EMRS, DOTH, DPD	Supporting Agencies/Organizations:	Estimated Cost: High	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term, ongoing	Hazard(s) Mitigated: Flooding, Severe Weather
Year Initiated		2014			
Applicable Jurisdiction		Cook County			
Applicable Goal		1,2,3			
Applicable Objective		1, 2, 3, 13			
Cost Analysis (Low, Medium, High)		High			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority		I			
Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed					

Action CCU.24

Mitigation Action #CCU.24—Develop a strategy to address sewer and storm sewer capacity issues for future mitigation projects.					
Lead Agency/Department Organization: MWRD, Public Safety Consortium, EMRS	Supporting Agencies/Organizations:	Estimated Cost: High	Potential Funding Source: General Funds, BRIC, HMGP, FMA	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding, Severe Weather
Year Initiated		2014			
Applicable Jurisdiction		Cook County			
Applicable Goal		1,2,3			

Applicable Objective	9, 10
Cost Analysis (Low, Medium, High)	High
Priority and Level of Importance (Low, Medium, High)	Medium
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	Working with MWRD and Cook County Department of Highways
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I

Action CCU.25

Mitigation Action #CCU.25—Participate in the Community Rating System (CRS).					
Lead Agency/Department Organization: Public Safety Consortium, EMRS	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding
Year Initiated	2014				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3				
Applicable Objective	10,11				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I				

Action CCU.26

Mitigation Action #CCU.26: Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.					
Lead Agency/Department Organization: DBZ	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flooding
Year Initiated		2014			
Applicable Jurisdiction		Cook County			
Applicable Goal		1, 3			
Applicable Objective		4, 6, 9			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project		Medium			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority		O			
Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed					

Action CCU.29

Mitigation Action #CCU.29—Evaluate the role of a Floodplain Administrator for Cook County and appoint the agency that has the highest degree of capability to maintain the County’s floodplain management program.					
Lead Agency/Department Organization: DOTH, EMRS	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term, ongoing	Hazard(s) Mitigated: Flooding
Year Initiated		2014			
Applicable Jurisdiction		Cook County			
Applicable Goal		1, 3			
Applicable Objective		8,9,11			

Cost Analysis (Low, Medium, High)	Low
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project	Medium
Action/Implementation Plan and Project Description:	
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CCU.30

Mitigation Action #CCU.30—Develop more efficient methods to conduct post-disaster damage assessments and the integration of GIS.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2,3,5				
Applicable Objective	3,4,13				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:	Conducting internal trainings with staff. And plan to conduct trainings with municipalities.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project	I				

Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	
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Action CCU.32

Mitigation Action #CCU.32—Further develop supply chain plans for public health and healthcare-related concerns					
Lead Agency/Department Organization: CCDPH, EMRS, CCH	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Flooding
Year Initiated		2014			
Applicable Jurisdiction		Cook County			
Applicable Goal		1,2,3			
Applicable Objective		2, 8			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:		Ongoing effort to increase coordination with the Cook County Department of Public Health and Health and Hospitals System.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action CCU 33

Mitigation Action #CCU.33—Begin Flood Control Project on Farmers and Prairie Creeks					
Lead Agency/Department Organization: MWRD	Supporting Agencies/Organizations:	Estimated Cost: \$15,000,000	Potential Funding Source: MWRD, BRIC, HMGP, FMA	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding

Year Initiated	2019
Applicable Jurisdiction	Cook County
Applicable Goal	1,2
Applicable Objective	1, 2, 3, 4, 7, 9
Cost Analysis (Low, Medium, High)	Medium
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	ID: FRCR-12 Contract: 12-056-3F, Watershed: Lower Des Plaines Location: Park Ridge, Des Plaines, and Maine Township, IL Provides flood storage and conveyance improvements along Farmers and Prairie Creeks, including channel modifications, detention expansion, diversion sewer construction, and streambank stabilization.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I

Action CCU 34

Mitigation Action #CCU.34—Begin Road Flood Control Project.					
Lead Agency/Department Organization: MWRD, DOTD	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: MWRD, BRIC, HMGP, FMA	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding
Year Initiated		2019			
Applicable Jurisdiction		Cook County			
Applicable Goal		1,2			
Applicable Objective		1, 2, 3, 4, 7, 9			
Cost Analysis (Low, Medium, High)		Medium			

Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	ID: IDOT-17 Contract: 14-065-5C Watershed: Lower Des Plaines Location: Unincorporated Northfield, Maine Township, and Glenview, IL Analysis of new conveyance improvements along Central Road and possible detention facilities.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I

Action CCU 35

Mitigation Action #CCU.35—Begin Plainfield Road Flood Control Project from Willow Springs to East Avenue.					
Lead Agency/Department Organization: MWRD	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: MWRD, BRIC, HMGP, FMA	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding
Year Initiated	2019				
Applicable Jurisdiction	Cook County				
Applicable Goal	1,2				
Applicable Objective	1, 2, 3, 4, 7, 9				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				
Action/Implementation Plan and Project Description:	ID: CCDTH 4 Contract: 14-112-5C				

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	<p>Watershed: Lower Des Plaines Location: LaGrange; Countryside; McCook; and Lyons Township, IL May include construction of a new trunk sewer along portions of Planfield Road, 55th Street and East Avenue and stormwater improvements to the McCook Ditch, McCook Ditch Overflow, and McCook Levee. Estimated Construction Cost: TBD Status: Preliminary Engineering being finalized.</p>
Actual Completion Date or Ongoing Indefinite	
<p>Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>	I

Action CCU 36

Mitigation Action #CCU.36—Begin Flood Control on Calumet-Sag Tributary C.					
Lead Agency/Department Organization: MWRD	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: MWRD, BRIC, HMGP, FMA	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding
Year Initiated		2019			
Applicable Jurisdiction		Cook County			
Applicable Goal		1,2			
Applicable Objective		1, 2, 3, 4, 7, 9			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:		ID: Bremen Twp 1 Contract: 14-257-5C Watershed: Cal-Sag Channel Location: Bremen Township & Midlothian, IL Preliminary engineering alternatives developed to address flooding along Calumet-Sag Tributary Channel in the vicinity of 143rd Street and Linder Avenue.			

Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I

Action CCU 37

Mitigation Action #CCU.37—Develop Forest Preserve District of Cook County Green Infrastructure Project.					
Lead Agency/Department Organization: MWRD	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: MWRD, BRIC, HMGP, FMA	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding
Year Initiated		2019			
Applicable Jurisdiction		Cook County			
Applicable Goal		1,2			
Applicable Objective		1, 2, 3, 4, 7, 9			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		I			

Action CCU 38

<p>Mitigation Action #CCU.38—Start Storm Drainage System Improvement on 151st Street at Boca Rio Ditch in the City of Oak Forest. CCDOTH is working with MWRD and the City of Oak Forest to replace the deteriorating culvert with a larger one which will help to reduce the risk of local flooding.</p>					
<p>Lead Agency/Department Organization: CCDOTH</p>	<p>Supporting Agencies/Organizations: MWRD</p>	<p>Estimated Cost: \$619,000</p>	<p>Potential Funding Source: MWRD, BRIC, HMGP, FMA</p>	<p>Estimated Projected Completion Date: Long-term</p>	<p>Hazard(s) Mitigated: Flooding</p>
<p>Year Initiated</p>		<p>2019</p>			
<p>Applicable Jurisdiction</p>		<p>CCDOTH/MWRD/City of Oak Forest</p>			
<p>Applicable Goal</p>		<p>1,2,3</p>			
<p>Applicable Objective</p>		<p>2, 3, 7, 9, 13</p>			
<p>Cost Analysis (Low, Medium, High)</p>		<p>Low</p>			
<p>Priority and Level of Importance (Low, Medium, High)</p>		<p>Medium</p>			
<p>Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)</p>		<p>Medium - Will reduce flood risk for up to 28 residential structures.</p>			
<p>Action/Implementation Plan and Project Description:</p>		<p>The main component of the project will be the replacement of the deteriorating culverts underneath 151st Street, which is under CCDOTH jurisdiction, with larger culverts. In addition, we anticipate additional improvements to promote improved water quality and reduce the potential for siltation and erosion through streambank stabilization and a naturalized channel section with sedimentation basins to reduce future migration of silt downstream of 151st Street.</p>			
<p>Actual Completion Date or Ongoing Indefinite</p>					
<p>Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>		<p>I</p>			

Action CW.1

Mitigation Action #CW1—Cook County EMRS will develop its disaster intelligence capabilities in order to provide comprehensive support to the planning area for preparedness, mitigation, response, and recovery.					
Lead Agency/Department Organization: EMRS, Bureau of Technology	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund, BRIC, HMGP, FMA	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		County-Wide			
Applicable Goal		1,4,5,6			
Applicable Objective		2,3,5,6,12			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:		Cook County DHSEM will develop its disaster intelligence capabilities in order to provide comprehensive support to the planning area for preparedness, mitigation, response, and recovery.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action CW.2

Mitigation Action #CW2—Continue to support the success of the Public Safety Consortium in the following areas: mission, guidance, scope, structure, and training.					
Lead Agency/Department Organization:	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source:	Estimated Projected Completion Date:	Hazard(s) Mitigated: All

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EMRS, Public Safety Consortium			General Fund, SHSP	Short-term and ongoing	
Year Initiated	2014				
Applicable Jurisdiction	County-Wide				
Applicable Goal	All				
Applicable Objective	All				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Low				
Action/Implementation Plan and Project Description:	Continue to support the success of the Public Safety Consortium in the following areas: mission, guidance, scope, structure, and training.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O				

Action CW.3

Mitigation Action #CW3—Complete the countywide mass notification system project					
Lead Agency/Department Organization: EMRS Administration	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	County-Wide				
Applicable Goal	All				
Applicable Objective	2,5,8,12				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	High				

Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	Complete the countywide mass notification system project
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.4

Mitigation Action #CW4—Integrate WebEOC into countywide operations and partner agencies.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	County-Wide				
Applicable Goal	All				
Applicable Objective	1,2,5,8				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:	Integrate WebEOC into countywide operations and partner agencies.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion;	O				

<p>O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>	
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Action CW.5

Mitigation Action #CW5—Enhance the current Cook County evacuation plan.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Short-term and ongoing	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		County-Wide			
Applicable Goal		All			
Applicable Objective		1,2,5,8			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:		Enhance the current Cook County evacuation plan.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action CW.6

<p>Mitigation Action #CW6—Review the Cook County sheltering inventory (type, location, and future development based on population models).</p>

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Lead Agency/Department Organization: EMRS, Public Safety Consortium	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Short-term and ongoing	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		County-Wide			
Applicable Goal		All			
Applicable Objective		8,12			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:		Review the Cook County sheltering inventory (type, location, and future development based on population models).			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action CW.7

Mitigation Action #CW7—Expand the Cook County Mobile Response Team capabilities for emergency and disaster response.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium	Supporting Agencies/ Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Short-term and ongoing	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		County-Wide			
Applicable Goal		All			
Applicable Objective		1,2,8,12			

Cost Analysis (Low, Medium, High)	Medium
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	Expand the Cook County Mobile Response Team capabilities for emergency and disaster response.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.8

Mitigation Action #CW8—Create a template to promote uniformity in Emergency Operations Plans within the planning area.					
Lead Agency/Department Organization: EMRS Administration	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	County-Wide				
Applicable Goal	All				
Applicable Objective	1,2,5,8,12,13				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:	Create a template to promote uniformity in Emergency Operations Plans within the planning area.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority	O				

<p>Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>	
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Action CW.9

Mitigation Action #CW9—Develop and implement a countywide critical infrastructure security program.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Short-term and ongoing	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		County-Wide			
Applicable Goal		All			
Applicable Objective		1,2,5,12			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:		Develop and implement a countywide critical infrastructure security program			
Actual Completion Date or Ongoing Indefinite					
<p>Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>		O			

Action CW.10

Mitigation Action #CW10—Develop a Cook County Community Emergency Response Team Program that is interoperable with local Community Emergency Response Team programs.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium	Supporting Agencies/Organizations:	Estimated Cost: High	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Long--term	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		County-Wide			
Applicable Goal		All			
Applicable Objective		1,2,8,12			
Cost Analysis (Low, Medium, High)		High			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High			
Action/Implementation Plan and Project Description:		Develop a Cook County Community Emergency Response Team Program that is interoperable with local Community Emergency Response Team programs. A resiliency module was added to this training.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		<p>O</p> <p>2024 update: A resiliency module was added to this training curriculum.</p>			

Action CW.11

Mitigation Action #CW11—Review outreach strategies for populations with access or functional needs to expand countywide support capabilities in all phases of the disaster cycle.					
Lead Agency/Department Organization:	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source:	Estimated Projected Completion Date:	Hazard(s) Mitigated: All

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EMRS, Public Safety Consortium			General Fund, SHSP, BRIC, HMGP	Short-term and ongoing	
Year Initiated	2014				
Applicable Jurisdiction	County-Wide				
Applicable Goal	All				
Applicable Objective	8,12				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Low				
Action/Implementation Plan and Project Description:	Review outreach strategies for populations with access or functional needs to expand countywide support capabilities in all phases of the disaster cycle.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O				

Action CW.12

Mitigation Action #CW12—Continue to promote the core competencies of the StormReady Program for increased countywide severe weather preparedness.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Short-term and ongoing	Hazard(s) Mitigated: All
Year Initiated	2014				
Applicable Jurisdiction	County-Wide				
Applicable Goal	All				
Applicable Objective	1,2,5,6,8,12				
Cost Analysis (Low, Medium, High)	Low				

Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	Continue to promote the core competencies of the StormReady Program for increased countywide severe weather preparedness.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.13

Mitigation Action #CW13—Revisit and review all existing mutual aid agreements and memorandums of understanding and determine how new action items should be incorporated.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium, Dept. of Business Continuity	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Short-term and ongoing	Hazard(s) Mitigated: Severe Weather
Year Initiated	2014				
Applicable Jurisdiction	County-Wide				
Applicable Goal	All				
Applicable Objective	1,2,8				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Low				
Action/Implementation Plan and Project Description:	Revisit and review all existing mutual aid agreements and memorandums of understanding and determine how new action items should be incorporated.				

Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.15

Mitigation Action #CW15—Identify and promote local, state, and federal funding sources for local flood mitigation projects.					
Lead Agency/Department Organization: EMRS, Bureau of Economic Development Department of Planning and Development	Supporting Agencies/Organizations:	Estimated Cost: High	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flood
Year Initiated	2014				
Applicable Jurisdiction	County-Wide				
Applicable Goal	All				
Applicable Objective	1,2,7,9				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				
Action/Implementation Plan and Project Description:	Identify and promote local, state, and federal funding sources for local flood mitigation projects.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion;	O				

<p>O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>	
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Action CW.16

Mitigation Action #CW16—Consider the development of a countywide green infrastructure plan.					
Lead Agency/Department Organization: Metropolitan Water Reclamation District, Public Safety Consortium	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		County-Wide			
Applicable Goal		All			
Applicable Objective		1,3,4,6,8,10,13			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:		Consider the development of a countywide green infrastructure plan.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action CW.17

Mitigation Action #CW17—Consider the development of a countywide climate adaptation strategy committee.					
Lead Agency/Department Organization: EMRS, Public Safety Consortium	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated		2014			
Applicable Jurisdiction		County-Wide			
Applicable Goal		All			
Applicable Objective		1, 3, 4, 6, 8, 10, 13			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:		Consider the development of a countywide climate adaptation strategy committee.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Action CW.18

Mitigation Action #CW18—Maintain a hazard mitigation plan website where this final plan will be housed and planning partners, as well as members of the public, will be able to monitor plan implementation.					
Lead Agency/Department Organization: EMRS Administration	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated		2014			

Applicable Jurisdiction	County-Wide
Applicable Goal	All
Applicable Objective	6,8
Cost Analysis (Low, Medium, High)	Low
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Low
Action/Implementation Plan and Project Description:	Maintain a hazard mitigation plan website where this final plan will be housed and planning partners, as well as members of the public, will be able to monitor plan implementation.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	<p>O</p> <p>In 2019, DHSEM updated their mitigation web site to more effectively communicate with the public.</p>

Action CW.19

Mitigation Action #CW19—Support planning partner education by requesting mobile training courses covering the National Flood Insurance Program and Community Rating System information during the period of this plan.					
Lead Agency/Department Organization: EMRS Administration, FEMA, IASFM	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Short-term	Hazard(s) Mitigated: Flood
Year Initiated		2014			
Applicable Jurisdiction		County-Wide			
Applicable Goal		All			
Applicable Objective		3,6,8,9,11			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		High			

Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	Support planning partner education by requesting mobile training courses covering the National Flood Insurance Program and Community Rating System information during the period of this plan. The Illinois Association for Floodplain and Stormwater Management currently has a course that is available to support planning partners in the education of NFIP and CRS
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.20

Mitigation Action #CW20—Work with IDNR, U.S. Army Corps of Engineers (USACE), and MWRD to study and assess in greater detail the risk associated with stormwater/urban flooding.					
Lead Agency/Department Organization: EMRS Administration, IDNR, USACE, MWRD	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Short-term and Long-term	Hazard(s) Mitigated: Flood Severe Weather
Year Initiated	2014				
Applicable Jurisdiction	County-Wide				
Applicable Goal	All				
Applicable Objective	3,6,8,9,11				
Cost Analysis (Low, Medium, High)	Medium				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				

Action/Implementation Plan and Project Description:	Work with IDNR, U.S. Army Corps of Engineers (USACE), and MWRD to study and assess in greater detail the risk associated with stormwater/urban flooding.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.21

Mitigation Action #CW21—Evaluate capability and capacity for all local governments to provide and sustain emergency power to critical infrastructure resources under their control.					
Lead Agency/Department Organization: EMRS Administration	Supporting Agencies/Organizations: All participating Jurisdictions	Estimated Cost: High	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Dam/Levee Failure, Earthquake, Flood, Severe Weather, Severe Winter Weather, Widespread Power Outage, Nuclear Power Plant Incidents, Hazardous Materials Incident, Tornado
Year Initiated	2019				
Applicable Jurisdiction	County-Wide				
Applicable Goal	1				
Applicable Objective	1,2				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	High				

Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	Evaluate capability and capacity for all local governments to provide and sustain emergency power to critical infrastructure resources under their control. Facilities may serve as shelters for individuals with functional and access needs and/or special needs populations.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.22

Mitigation Action #CW22—Provide emergency power to critical infrastructure resources under local government control and sustain emergency power for a minimum of 72 hours without outside support based on the results of the emergency power evaluation (see Action CW.21)					
Lead Agency/Department Organization: EMRS Administration	Supporting Agencies/Organizations: All participating Jurisdictions	Estimated Cost: High	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Dam/Levee Failure, Earthquake, Flood, Severe Weather, Severe Winter Weather, Widespread Power Outage, Nuclear Power Plant Incidents, Hazardous Materials Incident, Tornado
Year Initiated	2019				
Applicable Jurisdiction	County-Wide				
Applicable Goal	1				

Applicable Objective	1,2
Cost Analysis (Low, Medium, High)	High
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	Provide emergency power to critical infrastructure resources under local government control and sustain emergency power for a minimum of 72 hours without outside support based on the results of the emergency power evaluation. Facilities may serve as shelters for individuals with functional and access needs and/or special needs populations.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.23

Mitigation Action #CW23—Implement the Cook County Multi-Jurisdictional Hazard Mitigation Plan to more effectively establish a "programmatic" approach that integrates new and existing mitigation initiatives throughout the County by maximizing regional coordination and two-way information sharing of stakeholders.					
Lead Agency/Department Organization: EMRS Administration	Supporting Agencies/Organizations: All participating Jurisdictions	Estimated Cost: High	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Dam/Levee Failure, Earthquake, Flood, Severe Weather, Severe Winter Weather, Widespread Power Outage, Nuclear Power Plant Incidents, Hazardous

					Materials Incident, Tornado
Year Initiated	2019				
Applicable Jurisdiction	County-Wide				
Applicable Goal	2,3,4,5				
Applicable Objective	All				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:	Enhance regional coordination of stakeholders to realize more impactful outcomes and to develop a regular two-way hazard mitigation information-sharing network. Ensure neighboring communities are collaborating and coordinating the implementation of mitigation initiatives to ensure synergies are leveraged, when applicable, and that mitigation actions in one community are not adversely impacting another nearby community.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O				

Action CW.24

Mitigation Action #CW24— Enhance the current EMRS web site to more effectively be a resource for Cook County residents and jurisdictions within the County.					
Lead Agency/Department Organization: EMRS Administration	Supporting Agencies/ Organizations: All participating Jurisdictions	Estimated Cost: Medium	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated	2019				
Applicable Jurisdiction	County-Wide				

Applicable Goal	1,4,5,6
Applicable Objective	6
Cost Analysis (Low, Medium, High)	Medium
Priority and Level of Importance (Low, Medium, High)	Medium
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	Add more information for public consumption on the DHSEM website. This includes preparedness information, information in other languages, and public resources. Encourage jurisdictions that do not have their own emergency management web site to direct residents to the DHSEM site.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.25

Mitigation Action #CW25— Maximize mitigation plan participation by all jurisdictions within Cook County, including those municipalities that share borders with adjoining counties.					
Lead Agency/Department Organization: EMRS Administration	Supporting Agencies/Organizations: All participating Jurisdictions	Estimated Cost: Low	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated	2019				
Applicable Jurisdiction	County-Wide				
Applicable Goal	4				
Applicable Objective	8				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				

Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	Cook County, once the 2019 MJ-HMP is complete, has committed to moving from a relatively static mitigation plan to a Mitigation Program. As part of the Mitigation Program, during the annual review and update process, Cook County will continue to promote and encourage the border counties and municipalities to participate in all appropriate mitigation planning and programs. This inter-county coordination will provide municipalities with more and simplified mitigation funding opportunities.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.26

Mitigation Action #CW26— Implement and enforce zoning ordinances regarding impervious surface areas in residential and commercial areas to enhance drainage and manage development.					
Lead Agency/Department Organization: Cook County Department of Building and Zoning	Supporting Agencies/Organizations: All participating Jurisdictions, specifically unincorporated areas within the county	Estimated Cost: Low	Potential Funding Source: General Fund, SHSP, BRIC, HMGP, FMA	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Flood
Year Initiated	2019				
Applicable Jurisdiction	County-Wide				
Applicable Goal	2,3				
Applicable Objective	3,4,10				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				

Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High
Action/Implementation Plan and Project Description:	As part of the permit review, if a parcel or a portion of it is in the floodplain (FEMA), floodway (FEMA) or in the Environmentally Sensitive Areas (as designated by Cook County Comprehensive Plan 1999), it is sent to an engineering consultant for review and advisement. The consultant's recommendation(s) and suggestions are related to the permit applicant and the permit is only approved after all requirements are met. This may also require outside agencies' (MWRD, IEPA, U.S. Army Corp. of Engineers) review and approval.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.27

Mitigation Action #CW27—Promote and implement new ordinances, guidelines, and actions for tree removal and replacement.					
Lead Agency/Department Organization: Cook County Department of Building and Zoning	Supporting Agencies/Organizations: All participating Jurisdictions, specifically unincorporated areas within the county	Estimated Cost: Low	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Severe Weather, Severe Winter Weather, Tornado, Widespread Power Outage
Year Initiated	2019				
Applicable Jurisdiction	County-Wide				
Applicable Goal	2,3				
Applicable Objective	3,4,10				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				

Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	Cook County's Landscape Ordinance provides guidelines for tree removal and replacements and Landscape Plans must be submitted for all new construction permits.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.28

Mitigation Action #CW28—Design and construct stormwater improvement projects in the County					
Lead Agency/Department Organization: Cook County Economic Development, MWRD	Supporting Agencies/Organizations: All participating Jurisdictions, specifically unincorporated areas within the county	Estimated Cost: High	Potential Funding Source: General Fund, SHSP, BRIC, HMGP	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Flood
Year Initiated	2019				
Applicable Jurisdiction	County-Wide				
Applicable Goal	1,2,3				
Applicable Objective	1,2,3,4,7,9				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				
Action/Implementation Plan and Project Description:	Projects that may be ready to proceed in the near future include, but are not limited to:				

	<p>Calumet Park – design/engineering and construction funding for stormwater improvements in West Calumet Park</p> <p>Maywood - design/engineering and construction funding for stormwater improvements</p> <p>Midlothian – design/engineering and possibly construction funding for stormwater improvements in the Jolly Homes subdivision</p>
Actual Completion Date or Ongoing Indefinite	
<p>Project Status & Changes in Priority Completion status legend:</p> <p>N = New; I = In Progress Toward Completion;</p> <p>O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed</p>	O

Action CW.29

Mitigation Action #CW29—Implement and sustain Cook County's Disaster Recovery Program.					
<p>Lead Agency/Department Organization:</p> <p>Cook County Bureau of Economic Development - Cook County Department of Planning and Development</p>	<p>Supporting Agencies/Organizations:</p> <p>All jurisdictions within Cook County (as applicable) and specifically unincorporated areas within the County</p> <p>MWRD</p> <p>Cook County Department of Transportation and Highways (CCDOH)</p> <p>U.S. Army Corps of Engineers (USACE)</p> <p>Federal Emergency Management Agency (FEMA)</p>	<p>Estimated Cost:</p> <p>High</p>	<p>Potential Funding Source:</p> <p>General Fund, SHSP, BRIC, HMGP</p>	<p>Estimated Projected Completion Date:</p> <p>Ongoing</p>	<p>Hazard(s) Mitigated:</p> <p>Flood</p>

	Illinois Department of Natural Resources (IDNR)				
Year Initiated	2019				
Applicable Jurisdiction	County-Wide				
Applicable Goal	2,3				
Applicable Objective	2,3,7,9				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				
Action/Implementation Plan and Project Description:	Implement and continue progress on CDBG-DR projects.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O				

Action CW.30

Mitigation Action #CW30—Promote and implement new ordinances, guidelines, and actions for tree removal and replacement.					
Lead Agency/Department Organization: EMRS Administration	Supporting Agencies/Organizations: All jurisdictions within Cook County Cook County GIS Consortium	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: All
Year Initiated	2019				
Applicable Jurisdiction	County-Wide				
Applicable Goal	2,3				

Applicable Objective	2,3,8
Cost Analysis (Low, Medium, High)	Low
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	In order to better analyze hazard risk, exposure, vulnerability and impacts, there is a need to better incorporate municipal-level GIS data when conducting future risk assessments. Cook County DHSEM will update the Annual Progress Report process to include a systematic process to better understand local-level GIS data and capabilities and to identify a point of contact for each municipality. This will position the County and participating jurisdictions with a realistic and meaningful assessment of potential hazard impacts.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O

Action CW.31

Mitigation Action #CW31—Promote and implement new ordinances, guidelines, and actions for tree removal and replacement.					
Lead Agency/Department Organization: EMRS Administration	Supporting Agencies/Organizations: MWRD City of Chicago Village of Richton Illinois Department of Natural Resources Borg Warner Equity Corp City of Elmhurst	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Ongoing	Hazard(s) Mitigated: Dam/Levee Failure

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	Village of Wheeling Forest Preserve District of Cook County				
Year Initiated	2019				
Applicable Jurisdiction	County-Wide				
Applicable Goal	2,3				
Applicable Objective	2,8				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High				
Action/Implementation Plan and Project Description:	In order to better understand the risk of dam failure in the planning area, DHSEM will obtain all EAPs and inundation maps of each high hazard (Hazard Class I) dam in the planning area. This will be done by communicating and partnering with the owning organizations of each dam and requesting this information. The information will be kept in a confidential space either digitally or physically and will be used in the event of a dam failure or should an event occur to cause a dam in the planning area to be at risk of failing. The inundation maps and EAPs will help DHSEM better understand the dam failure risk.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	O				

Action CW.32

Mitigation Action #CW32—Flood Hazard Mitigation study					
Lead Agency/Department Organization: MWRD	Supporting Agencies/Organizations: Donohue Group	Estimated Cost: Medium	Potential Funding Source: MWRD, BRIC, HMGP, FMA	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding
Year Initiated	2019				

Applicable Jurisdiction	Village of Phoenix
Applicable Goal	1,4,5,6
Applicable Objective	1, 3, 9
Cost Analysis (Low, Medium, High)	Low
Priority and Level of Importance (Low, Medium, High)	Medium
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium
Action/Implementation Plan and Project Description:	Use the Linkage Package in the 2019 Cook County Multi-Jurisdictional Hazard Mitigation Plan to assist Cook County Forest Preserve District to become a participant.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I

Action CW.33

Mitigation Action #CW33—Support Illinois Coastal Management Program in Cook County					
Lead Agency/Department Organization: DOTH	Supporting Agencies/Organizations: EMRS	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding, Coastal Erosion
Year Initiated	2021				
Applicable Jurisdiction	FEMA, IEMA, EMRS				
Applicable Goal	1,2,5				
Applicable Objective	1, 3, 9				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium				
Action/Implementation Plan and Project Description:					

Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I

Action CW.34

Mitigation Action #CW34—Create Resilience Hubs for the residents of Cook County					
Lead Agency/Department Organization: Cook County Dept of Environment and Sustainability	Supporting Agencies/Organizations: EMRS	Estimated Cost: \$2,800,000	Potential Funding Source: General Fund	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All
Year Initiated		2021			
Applicable Jurisdiction		CC Environment and Sustainability			
Applicable Goal		1,4			
Applicable Objective		1, 2, 6			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium			
Action/Implementation Plan and Project Description:		Project will begin in late 2021 and continue for approximately 2 1/2 years. IEPA loan was granted and will cover funds for project. Plan will allow infrastructure to handle more flow further reducing the chance of flooding during severe storms and heavy rains.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project		I 2024 update: Resilience hubs are currently being developed in Robbins and Ford Heights with the potential for future opportunities to develop strategies in large dense urban cities.			

Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	
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Action CW.36

Mitigation Action #CW36—Support Chicago and MWRD River Gauge Funding Program					
Lead Agency/Department Organization: MWRD, EMRS	Supporting Agencies/Organizations:	Estimated Cost: Medium	Potential Funding Source: MWRD, BRIC, HMGP, FMA	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Dam/Levee Failure, Flooding
Year Initiated		2021			
Applicable Jurisdiction		EMRS Preparedness			
Applicable Goal		1,2,3,4			
Applicable Objective		1, 2, 9			
Cost Analysis (Low, Medium, High)		Medium			
Priority and Level of Importance (Low, Medium, High)		High			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High - River Gauges are a critical indicator of potential flooding for Cook County Communities. They provide early warning for response and potential mitigation of events.			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		I			

Action CW.37

Mitigation Action #CW37—Support Chicago and MWRD River Gauge Funding Program					
Lead Agency/Department Organization: EMRS	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: MWRD, BRIC, HMGP, FMA	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding

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Year Initiated	2021
Applicable Jurisdiction	EMRS Preparedness
Applicable Goal	4,5,6
Applicable Objective	1, 2, 9
Cost Analysis (Low, Medium, High)	Low
Priority and Level of Importance (Low, Medium, High)	Medium
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Low
Action/Implementation Plan and Project Description:	-Create and maintain a Public Outreach Program for all Cook County Jurisdictions to provide a more resilient Cook County.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I

Action CW.38

Mitigation Action #CW38—Provide Leading Through Crisis Training to all County senior and executive municipal leadership					
Lead Agency/Department Organization: EMRS	Supporting Agencies/Organizations:	Estimated Cost: Low	Potential Funding Source: SHSP, HSGP	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All
Year Initiated	2021				
Applicable Jurisdiction	Countywide				
Applicable Goal	4,5,6				
Applicable Objective	1, 6				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	Medium				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Low				

Action/Implementation Plan and Project Description:	The Leading Through Crisis training will provide routine educational opportunities for senior and executive municipal leadership responsible for Cook County's local disaster response.
Actual Completion Date or Ongoing Indefinite	
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I

Action CW.39

Mitigation Action #CW39—Increase the Cook County Pet Sheltering capacity					
Lead Agency/Department Organization: EMRS	Supporting Agencies/Organizations: Animal Control	Estimated Cost: Low	Potential Funding Source: General Fund	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: All
Year Initiated		2021			
Applicable Jurisdiction		EMRS Preparedness			
Applicable Goal		2,3			
Applicable Objective		7			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		Low			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Low			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		I			

Action CW.40

Mitigation Action #CW40—South Suburban Household Hazardous Waste Collection Facility					
Lead Agency/Department Organization: DES	Supporting Agencies/Organizations:	Estimated Cost: \$5,000,000	Potential Funding Source: ARPA	Estimated Projected Completion Date: 2026	Hazard(s) Mitigated: Hazardous Materials Incident
Year Initiated		2021			
Applicable Jurisdiction		Countywide, Cook County			
Applicable Goal		2,3			
Applicable Objective		2			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Improved safety for residents, remove sources of hazardous materials from residents home, ensure proper management and disposal of household hazardous waste			
Action/Implementation Plan and Project Description:		The Cook County Department of Environment and Sustainability (DES) will establish a facility in the south suburbs to provide residents the opportunity to remove HHW items from their homes and ensure the proper management and disposal of the items. DES is coordinating with BAM to locate and construct the facility. The facility will be operated through an intergovernmental agreement with the Illinois Environmental Protection Agency.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		<p>I</p> <p>2024 Update: The Household Hazardous Waste (HHW) facility will be constructed at the South Suburban College campus at 15800 S. State St. in South Holland, IL. The facility is scheduled to open in spring/summer 2025 and will collect HHW items from Illinois residents.</p>			

Action CW.41

Mitigation Action #CW41—Improving Health & Supporting Equity through Green Infrastructure					
Lead Agency/Department Organization: DES	Supporting Agencies/Organizations:	Estimated Cost: \$96,000,000	Potential Funding Source: General Fund	Estimated Projected Completion Date: 2026	Hazard(s) Mitigated: Flooding

	DEMRS, DOTD, CPD				
Year Initiated	2021				
Applicable Jurisdiction	Countywide, Cook County				
Applicable Goal	1,6				
Applicable Objective	1, 9				
Cost Analysis (Low, Medium, High)	High				
Priority and Level of Importance (Low, Medium, High)	Low				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	High - Improved safety for residents, reduced flood damage to property, save labor and time associated with cleanup, reduced energy usage, cost savings for heating/cooling, positive health outcomes, reducing heat island effect, increasing green space				
Action/Implementation Plan and Project Description:	<p>Proposed project includes multiple projects broken into five major components:</p> <ol style="list-style-type: none"> 1. Identify ten target communities that will most benefit from green infrastructure enhancements and increased tree canopy, building upon work that has already been accomplished by key partners. 2. Meet with community leaders in target communities to map key outcomes and goals, identify desirable projects. 3. Implement green infrastructure enhancements according to goals identified. 4. Monitor and maintain the projects. 				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I				

Action CW.42

Mitigation Action #CW42—Climate Resiliency Plan Development					
Lead Agency/Department Organization: DES	Supporting Agencies/Organizations: EMRS, DOTD, CPD	Estimated Cost: \$15,944,640	Potential Funding Source: ARPA	Estimated Projected Completion Date: 2026	Hazard(s) Mitigated: Drought, Flooding, Extreme Heat, Hail, Snow, Blizzard,

					Extreme Cold, Ice Storms
Year Initiated	2021				
Applicable Jurisdiction	Countywide, Cook County				
Applicable Goal	1,2,4,5,6				
Applicable Objective	1, 2, 3,				
Cost Analysis (Low, Medium, High)	Low				
Priority and Level of Importance (Low, Medium, High)	High				
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium - Improved safety for residents, reduced flood damage to property, save labor and time associated with cleanup, reduced energy usage, cost savings for heating/cooling, positive health outcomes, reducing heat island effect, increasing green space				
Action/Implementation Plan and Project Description:	The Department of Environment and Sustainability will identify up to five environmental justice communities that want to develop Climate Resiliency Plans but need staff or funding to do so. Together with community partners, we will generate actionable goals that support planning, policy, and funding decisions to reduce threats from a changing climate and promote resiliency. Upon completion of Climate Resiliency Plans for each community, Cook County will issue grants to implement select projects, prioritized by community impact and regional importance. This support will emphasize green infrastructure, tree planting, job training, and maintenance in each community.				
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	<p>I</p> <p>2024 Update: Bellwood, Franklin Park, Justice, Lynwood, and Markham are each creating a climate resiliency plan through the County’s Climate Resiliency Planning for Communities program.</p>				

Action CW.43

Mitigation Action #CW43—Rain Ready Plan Implementation					
Lead Agency/Department Organization: DES	Supporting Agencies/Organizations: DOTH, CPD, MWRD	Estimated Cost: \$6,100,000	Potential Funding Source: ARPA	Estimated Projected Completion Date: 2026	Hazard(s) Mitigated: Flooding
Year Initiated	2021				

Applicable Jurisdiction	Countywide
Applicable Goal	1,2,6
Applicable Objective	1, 2, 3, 9
Cost Analysis (Low, Medium, High)	Low
Priority and Level of Importance (Low, Medium, High)	High
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)	Medium - Improved safety for residents, reduced flood damage to property, save labor and time associated with cleanup, reduced energy usage, cost savings for heating/cooling, positive health outcomes, reducing heat island effect, increasing green space
Action/Implementation Plan and Project Description:	<p>Cook County partnered with the Center for Neighborhood Technology to create a Rain Ready plan for the Calumet Corridor, which includes Blue Island, Calumet City, Calumet Park, Dolton, Riverdale, and Robbins and has a history of both disinvestment and flooding. The Department of Environment and Sustainability will put these six communities on a path towards greater resilience by implementing many of the recommended projects to improve stormwater management through green infrastructure and sustainable economic development. Prior to implementation, we will work with communities, the Metropolitan Water Reclamation District, and other partner organizations to prioritize efforts by community impact and regional importance.</p> <p><i>Additional Information:</i> Cook County allocated \$6 million to reduce negative impacts caused from flooding by implementing RainReady, a program that helps people and communities manage flooding in a time of climate change. RainReady plans will be implemented in six flood-prone communities known as the Calumet Corridor. These communities located along the Little Calumet River include Blue Island, Calumet City, Calumet Park, Dolton, Riverdale and Robbins.</p> <p>Actions include, but are not limited to: Blue Island - possibly RainReady Homes, possibly green alleys Calumet City - Green alleys, Green street at Sibley & Wentworth Calumet Park - Green schoolyard at Burr Oak School, Green street at Winchester Ave (completed) Dolton - RainReady Homes Riverdale - RainReady Homes Robbins - possibly Green Street at Claire Blvd</p>

Actual Completion Date or Ongoing Indefinite	In Progress
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed	I Project Start Date: Summer 2023 Project End Date: Fall 2026

Action CW.44

Mitigation Action #CW44—Neighborhood Revitalization					
Lead Agency/Department Organization: DES	Supporting Agencies/Organizations: BAM, FPD	Estimated Cost: 10,000,000	Potential Funding Source: General Fund	Estimated Projected Completion Date: Long-term	Hazard(s) Mitigated: Flooding
Year Initiated		2021			
Applicable Jurisdiction		Countywide, Cook County			
Applicable Goal		1,2,6			
Applicable Objective		1, 8			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Medium - Improved safety for residents, remove sources of contamination and redevelop properties, increasing green space			
Action/Implementation Plan and Project Description:		The Cook County Department of Environment and Sustainability will expand its current brownfield program to assess and remediate sites throughout suburban and Cook County to promote economic growth and investment through redevelopment. Brownfield sites can also be remediated and returned to other productive uses such as open green space, parks, and flood/stormwater retention. The Forest Preserve District of Cook County is also a partner in the program to acquire additional greenspace.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project		I			

Completed; R = Want Removed from Annex; X = No Action Taken/Delayed

Action CW.45

Mitigation Action #CW44—Replace water main infrastructure					
Lead Agency/Department Organization: CCBED	Supporting Agencies/Organizations: BAM, FPD	Estimated Cost: 450,000	Potential Funding Source: BRIC, HMGP, FMA, CDBG	Estimated Projected Completion Date: 2024	Hazard(s) Mitigated: Flooding
Year Initiated		2021			
Applicable Jurisdiction		Cook County CBDG Fund			
Applicable Goal		1,2,3			
Applicable Objective		1, 2			
Cost Analysis (Low, Medium, High)		Low			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		High - Decrease water main break/disruption and increase water quality			
Action/Implementation Plan and Project Description:					
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		I			

Action CW.46

Mitigation Action #45: Implement a Green Infrastructure program for the County as a whole					
Lead Agency/Department Organization:	Supporting Agencies/Organizations:	Estimated Cost: TBD; Medium	Potential Funding Source:	Estimated Projected Completion Date:	Hazard(s) Mitigated: Flooding

EMRS	MWRD		Grant Fund, HMGP, BRIC	Long-term	
Year Initiated		2014			
Applicable Jurisdiction		Countywide			
Applicable Goal		1			
Applicable Objective		9,13			
Cost Analysis (Low, Medium, High)		Medium—The project could be implemented with existing funding but would require a re-apportionment of the budget or a budget amendment, or the cost of the project would have to be spread over multiple years.			
Priority and Level of Importance (Low, Medium, High)		Medium			
Benefits of the Mitigation Project (Loss Avoided or Issue Being Mitigated)		Mitigation of water flow to reduce urban flooding Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.			
Action/Implementation Plan and Project Description:		Develop a Countywide program to educate and assist municipalities in the use of green infrastructure to mitigate flooding and potential grant opportunities.			
Actual Completion Date or Ongoing Indefinite					
Project Status & Changes in Priority Completion status legend: N = New; I = In Progress Toward Completion; O = Ongoing Indefinitely; C = Project Completed; R = Want Removed from Annex; X = No Action Taken/Delayed		O			

Completed Actions

Completed Mitigation Actions - An archive of all identified and completed projects, including completed actions since 2014.

Completed Action Items
CCU
Enhance/update the Cook County post-disaster action plans.

Strengthen the Cook County Continuity of Operations Plans (COOP).
Expand the capabilities of the Cook County Emergency Response Centers – North, Central, and South.
Continue to support the development of the current Cook County Emergency Operations Center (EOC).
Map and assess community vulnerability to seismic hazards.
Support and maintain a comprehensive plan for urban flooding.
Adopt “no-adverse impact” floodplain management policies.
Consider developing the development of a plan that incorporates public and private partners to protect critical infrastructure and critical facilities within the county.
Increase capability for severe winter weather incidents through snow removal assets, weather tracking, and identification of where excess snow will be relocated.
CW
Develop a countywide hazards task force to create a collective approach to natural hazard mitigation through the unification of plans, actions, and data.

Future Needs to Better Understand Risk/Vulnerability

No needs have been identified at this time.

Additional Comments

No additional comments at this time.

Hazard Mapping

Volume I provides the necessary information and maps regarding the hazards that affect Cook County and the unincorporated areas.