

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

Countywide Mitigation Actions

FINAL

July 2019

Prepared for:



Cook County
Department of Homeland Security and Emergency Management
69 W. Washington St., Suite 2600
Chicago, Illinois 60602

Toni Preckwinkle
President
Cook County Board of Commissioners

William Barnes
Executive Director
Cook County Department of Homeland
Security & Emergency Management

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Countywide Mitigation Actions

The heart of the mitigation plan is the mitigation strategy, which serves as the long-term blueprint for reducing the potential losses identified in the risk assessment. The mitigation strategy describes how the community will accomplish the overall purpose, or mission, of the planning process. In this section, mitigation actions/projects were updated/amended, identified, evaluated, and prioritized. This section is organized as follows:

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

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

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline /Project ed Completion Date (a)	Applies to New or Existing Assets
Action CW.1 —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.							
Ongoing (Initiated 2014)	All	2, 3, 5, 6, 12	DHSEM, Bureau of Technology	Low	Existing funding and programs	Long-term	New and existing
Action CW.2 —Continue to support the success of the Public Safety Consortium in the following areas: mission, guidance, scope, structure, and training.							
Ongoing (Initiated 2014)	All	All	DHSEM, Public Safety Consortium	Low	Existing funding and programs	Short-term and ongoing	New and existing
Action CW.3 —Complete the countywide mass notification system project.							

Ongoing (Initiated 2014)	All	2, 5, 8, 12	DHSEM	Medium	Existing funding and programs	Short-term	New and existing
Action CW.4 —Integrate WebEOC into countywide operations and partner agencies.							
Ongoing (Initiated 2014)	All	1, 2, 5, 8	DHSEM, Public Safety Consortium	Medium	Existing funding and programs	Short-term	New and existing
Action CW.5 —Enhance the current Cook County evacuation plan.							
Ongoing (Initiated 2014)	All	5, 8, 12	DHSEM, Public Safety Consortium	Low	Existing funding and programs, Grants	Short-term and ongoing	Existing
Action CW.6 —Review the Cook County sheltering inventory (type, location, and future development based on population models).							
Ongoing (Initiated 2014)	All Hazards	8, 12	DHSEM, Public Safety Consortium	Medium	Existing funding and programs, Grants	Short-term and ongoing	Existing
Action CW.7 —Expand the Cook County Mobile Response Team capabilities for emergency and disaster response.							
Ongoing (Initiated 2014)	All	1, 2, 8, 12	DHSEM, Public Safety Consortium	Medium	Existing funding and programs, Grants	Short-term and ongoing	Existing
Action CW.8 —Create a template to promote uniformity in Emergency Operations Plans within the planning area.							
Ongoing (Initiated 2014)	All	1, 2, 5, 8, 12, 13	DHSEM	Medium	Existing funding and programs, Grants	Short-term	New
Action CW.9 —Develop and implement a countywide critical infrastructure security program							
Ongoing (Initiated 2014)	All	1, 2, 5, 8	DHSEM, Public Safety Consortium	Medium	Existing funding and programs, Grants	Short-term and ongoing	New and existing
Action CW.10 —Develop a Cook County Community Emergency Response Team Program that is interoperable with local Community Emergency Response Team programs.							

Ongoing (Initiated 2014)	All	1, 2, 8, 12	DHSEM, Public Safety Consortium	High	Existing funding and programs, Grants	Long-term	New and existing
Action CW.11 —Review outreach strategies for populations with access or functional needs to expand countywide support capabilities in all phases of the disaster cycle.							
Ongoing (Initiated 2014)	All	8, 12	DHSEM, Public Safety Consortium	Low	Existing funding and programs	Short-term and ongoing	New and existing
Action CW.12 —Continue to promote the core competencies of the StormReady Program for increased countywide severe weather preparedness.							
Ongoing (Initiated 2014)	All	1, 2, 5, 6, 8, 12	DHSEM, Public Safety Consortium	Low	Existing funding and programs	Short-term and ongoing	New and existing
Action CW.13 —Revisit and review all existing mutual aid agreements and memorandums of understanding and determine how new action items should be incorporated.							
Ongoing (Initiated 2014)	Severe Weather	1, 2, 8	DHSEM, Public Safety Consortium, Dept. of Business Continuity	Low	Existing funding and programs	Short-term and ongoing	New and existing
Action CW.14 —Develop a countywide hazards task force to create a collective approach to natural hazard mitigation through the unification of plans, actions, and data.							
Complete (Initiated 2014): The Hazard Mitigation Steering Committee represents this group and meets regularly to support and guide mitigation efforts in the county.	All	All	DHSEM, Metropolitan Water Reclamation District, Public Safety Consortium, Dept. of Business Continuity	Low	Existing funding and programs	Short-term and ongoing	New and existing

Action CW.15—Identify and promote local, state, and federal funding sources for local flood mitigation projects.

Ongoing (Initiated 2014)	Flood	1, 2, 7, 9	DHSEM, Bureau of Economic Development Department of Planning and Development	High	Existing funding and programs, Grants	Long-term	New and existing
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Action CW.16—Consider the development of a countywide green infrastructure plan.

Ongoing (Initiated 2014)	All	1, 3, 4, 6, 8, 10, 13	Metropolitan Water Reclamation District, Public Safety Consortium	Medium	Existing funding and programs, Grants	Long-term	New and existing
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Action CW.17—Consider the development of a countywide climate adaptation strategy committee.

Ongoing (Initiated 2014)	All	1, 3, 4, 6, 8, 10, 13	Public Safety Consortium, DHSEM	Medium	Existing funding and programs, Grants	Ongoing	New and existing
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Action CW.18—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.

Ongoing (Initiated 2014)	All	6, 8	DHSEM	Low	Existing funding and programs	Ongoing	New and Existing
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Action CW.19—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.

Ongoing (Initiated 2014): The Illinois Association for Floodplain and Stormwater Management	Flood	3, 6, 8, 9, 11	DHSEM, FEMA, IASFM	Medium	Existing funding and programs	Short-term	New and Existing
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currently has a course that is available to support planning partners in the education of NFIP and CRS.							
Action CW.20 —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.							
Ongoing (Initiated 2014)	Flood, Severe Weather	3, 6, 8, 9, 11	DHSEM, IDNR, USACE, MWRD	Medium	Existing funding and programs, Grants	Short- and long-term	New and Existing
Action CW.21 —Evaluate capability and capacity for all local governments to provide and sustain emergency power to critical infrastructure resources under their control.							
New	Earthquake, Flood, Extreme Heat, Lightning, High Wind, Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Nuclear Power Plant Incident, Widespread Power Outage, Hazardous Materials Incident	1, 2	DHSEM	High	Grants	Long Term	New and Existing
Action CW.22 —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)							
New	Earthquake, Flood, Extreme Heat, Lightning, High Wind, Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Nuclear Power	1, 2	DHSEM	High	Grants	Long Term	New and Existing

	Plant Incident, Widespread Power Outage, Hazardous Materials Incident						
Action CW.23 —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.							
New	Dam/Levee Failure, Earthquake, Flood, Extreme Heat, Lightning, Hail, High Wind, Snow, Blizzard, Extreme Cold, Ice Storms, Tornado, Widespread Power Outage, Hazardous Materials Incident	All	DHSEM	Low	Grants	Ongoing	New and Existing
Action CW.24 —Enhance the current DHSEM web site to more effectively be a resource for Cook County residents and jurisdictions within the County.							
New	All	6	DHSEM	Low	TBD	Ongoing	New and Existing
Action CW.25 —Maximize mitigation plan participation by all jurisdictions within Cook County, including those municipalities that share borders with adjoining counties.							
New	All	8	DHSEM	Low	Local funds and Grants	Ongoing	New and Existing
Action CW.26 —Implement and enforce zoning ordinances regarding impervious surface areas in residential and commercial areas to enhance drainage and manage development.							
New	Flood	3, 4, 10	Cook County Department of Building and Zoning	Low	Local Funds and Grants	Ongoing	New and Existing
Action CW.27 —Promote and implement new ordinances, guidelines, and actions for tree removal and replacement.							

New	High Wind, Snow, Blizzard, Ice Storms, Tornado, Widespread Power Outage	3, 4, 10	Cook County Department of Building and Zoning	Low	Local Funds and Grants	Ongoing	New and Existing
Action CW.28 —Design and construct stormwater improvement projects in the County.							
New	Flood	1, 2, 3, 4, 7, 9	Cook County Economic Development, MWRD	High	Local Funds and Grants	Ongoing	New and Existing
Action CW.29 —Implement and sustain Cook County's Disaster Recovery Program.							
New	Flood	2, 3, 7, 9	Cook County Bureau of Economic Development - Cook County Department of Planning and Development	High	Grants	Ongoing	New and Existing
Action CW.30 —Proactively engage local-level GIS personnel and key stakeholders to determine local-level capabilities and datasets in order to better analyze hazard risk, exposure, vulnerability and impacts when conducting future risk assessments for the County and planning partners.							
New	All	2, 3, 8	Cook County DHSEM	Low	Local Funds	Ongoing	New and Existing
Action CW.31 —Obtain inundation maps and EAPs from owners of high hazard Dams in the planning area							
New	Dam/Levee Failure	2,8	Cook County DHSEM	High	Current Funds	Ongoing	Existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

TABLE: PRIORITIZATION OF COUNTYWIDE MITIGATION ACTIONS

Action #	# of Objectives Met	Benefits	Costs	Do Benefits equal or exceed Costs?	Is project Grant eligible?	Can Project be funded under existing programs/ budgets?	Priority (High, Med., Low)
CW-1	5	High	Low	Yes	No	Yes	High
CW-2	13	Low	Low	Yes	No	Yes	High
CW-3	4	High	Medium	Yes	Yes	Yes	High
CW-4	4	Medium	Medium	Yes	Yes	Yes	High
CW-5	3	High	Low	Yes	No	Yes	High
CW-6	2	High	Medium	Yes	No	Yes	High
CW-7	4	High	Medium	Yes	Yes	Yes	High
CW-8	6	Medium	Medium	Yes	No	Yes	High
CW-9	4	High	Medium	Yes	Yes	Yes	High
CW-10	4	High	High	Yes	No	No	Medium
CW-11	2	Low	Low	Yes	No	Yes	High
CW-12	6	Medium	Low	Yes	No	Yes	High
CW-13	3	Low	Low	Yes	No	Yes	High
CW-14	13	Low	Low	Yes	No	Yes	High
CW-15	4	High	High	Yes	No	No	Medium
CW-16	7	Medium	Medium	Yes	No	No	Medium
CW-17	7	Medium	Medium	Yes	No	Yes	High
CW-18	2	Low	Low	Yes	No	Yes	High
CW-19	5	Medium	Medium	Yes	Yes	Yes	High
CW-20	5	High	Medium	Yes	Yes	Yes	High
CW-21	2	High	High	Yes	Yes	No	High
CW-22	2	High	High	Yes	Yes	No	High
CW-23	13	Medium	Low	Yes	Yes	Yes	High
CW-24	1	Medium	Low	Yes	Yes	Yes	Medium
CW-25	1	High	Low	Yes	Yes	Yes	High

CW-26	3	High	Low	Yes	Yes	Yes	High
CW-27	3	High	Low	Yes	Yes	Yes	Medium
CW-28	6	High	High	Yes	Yes	Yes	High
CW-29	4	High	High	Yes	Yes	Yes	High
CW-30	3	High	Low	Yes	Yes	Yes	Medium
CW-31	2	High	Low	Yes	No	Yes	High

New Mitigation Actions

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

Action CW.21

Mitigation Action	Evaluate capability and capacity for all local governments to provide and sustain emergency power to critical infrastructure resources under their control.
Year Initiated	2019
Applicable Jurisdiction	All participating jurisdictions
Lead Agency/Organization	Cook County Department of Homeland Security and Emergency Management
Supporting Agencies/Organizations	All participating jurisdictions
Applicable Goal	<ul style="list-style-type: none"> Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.
Applicable Objective	<ol style="list-style-type: none"> Eliminate or minimize disruption of local government operations caused by natural hazards through all phases of emergency management. Increase resilience of (or protect and maintain) infrastructure and critical facilities.
Potential Funding Source	Grants
Estimated Cost	High
Benefits (loss avoided)	The benefit here moves to maintain existing local government critical infrastructures which may be used to assist vulnerable populations and/or support local government services like Emergency Communications, Law Enforcement, Fire service, Public Works and other key assets.
Projected Completion Date	Long term
Priority and Level of Importance (Low, Medium, High)	High Priority
Benefit Analysis (Low, Medium, High)	High—Project will provide an immediate reduction of risk exposure for life and property.
Cost Analysis (Low, Medium, High)	High—Existing funding will not cover the cost of the project; implementation would require new revenue through an alternative source (for example, bonds, grants, and fee increases).
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description
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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.
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Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
	All Hazards
X	Dam/Levee Failure
	Drought
X	Earthquake
X	Flood
X	Extreme Heat
X	Lightning
	Hail
	Fog
X	High Wind
X	Snow
X	Blizzard
X	Extreme Cold
X	Ice Storms
X	Tornado
	Epidemic or pandemic
X	Nuclear Power Plant Incident
X	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
X	Hazardous Materials Incident

Action CW.22

Mitigation Action	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)
Year Initiated	2019
Applicable Jurisdiction	All participating jurisdictions
Lead Agency/Organization	Cook County Department of Homeland Security and Emergency Management
Supporting Agencies/Organizations	All participating jurisdictions
Applicable Goal	<ul style="list-style-type: none"> Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events.
Applicable Objective	<ol style="list-style-type: none"> Eliminate or minimize disruption of local government operations caused by natural hazards through all phases of emergency management. Increase resilience of (or protect and maintain) infrastructure and critical facilities.
Potential Funding Source	Grants
Estimated Cost	High
Benefits (loss avoided)	The benefit here moves to maintain existing local government critical infrastructures which may be used to assist vulnerable populations and/or support local government services like Emergency Communications, Law Enforcement, Fire service, Public Works and other key assets.
Projected Completion Date	Long Term
Priority and Level of Importance (Low, Medium, High)	High Priority
Benefit Analysis (Low, Medium, High)	High—Project will provide an immediate reduction of risk exposure for life and property.
Cost Analysis (Low, Medium, High)	High—Existing funding will not cover the cost of the project; implementation would require new revenue through an alternative source (for example, bonds, grants, and fee increases).
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description
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Action/Implementation Plan and Project Description:	<p>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.</p> <p>Facilities may serve as shelters for individuals with functional and access needs and/or special needs populations.</p>
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Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
	All Hazards
X	Dam/Levee Failure
	Drought
X	Earthquake
X	Flood
X	Extreme Heat
X	Lightning
	Hail
	Fog
X	High Wind
X	Snow
X	Blizzard
X	Extreme Cold
X	Ice Storms
X	Tornado
	Epidemic or pandemic
X	Nuclear Power Plant Incident
X	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
X	Hazardous Materials Incident

Action CW.23

Mitigation Action	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.
Year Initiated	2019
Applicable Jurisdiction	All participating jurisdictions
Lead Agency/Organization	Cook County Department of Homeland Security and Emergency Management
Supporting Agencies/Organizations	All participating jurisdictions and agencies/stakeholders
Applicable Goal	<ul style="list-style-type: none"> • Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events. • Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards. • Develop, promote, and integrate mitigation action plans.
Applicable Objective	<ol style="list-style-type: none"> 1. Eliminate or minimize disruption of local government operations caused by natural hazards through all phases of emergency management. 2. Increase resilience of (or protect and maintain) infrastructure and critical facilities. 3. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change. 4. Integrate hazard mitigation policies into land use plans in the planning area. 5. Develop, improve, and protect systems that provide early warnings, emergency

	<p>response communications, and evacuation procedures.</p> <ol style="list-style-type: none"> 6. Use the best available data, science and technologies to educate the public and to improve understanding of the location and potential impacts of natural hazards, the vulnerability of building types and community development patterns, and the measures needed to protect life safety. 7. Retrofit, purchase, or relocate structures in high hazard areas, including those known to be repetitively damaged. 8. Establish partnerships among all levels of local government, the private sector, and/or nongovernmental organizations to improve and implement methods to protect people and property. 9. Provide or improve flood protection on a watershed basis with flood control structures and drainage maintenance plans. 10. Strengthen codes and land use planning and their enforcement, so that new construction or redevelopment can avoid or withstand the impacts of natural hazards. 11. Encourage mitigation through incentive-based programs, such as the Community Rating System, Firewise, and StormReady programs. 12. Reduce natural hazard-related risks and vulnerability to potentially isolated populations within the planning area. 13. Encourage hazard mitigation measures that result in the least adverse effect on the natural environment and that use natural processes.
Potential Funding Source	Grants
Estimated Cost	Low
Benefits (loss avoided)	Enhance regional coordination of stakeholders to realize more impactful outcomes and to develop a regular two-way hazard mitigation information sharing network.
Projected Completion Date	Ongoing

Priority and Level of Importance (Low, Medium, High)	High Priority
Benefit Analysis (Low, Medium, High)	Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.
Cost Analysis (Low, Medium, High)	Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description	
Action/Implementation Plan and Project Description:	<p>Enhance regional coordination of stakeholders to realize more impactful outcomes and to develop a regular two-way hazard mitigation information-sharing network.</p> <p>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.</p>

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
X	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow

	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

Action CW.24

Mitigation Action	Enhance the current DHSEM web site to more effectively be a resource for Cook County residents and jurisdictions within the County.
Year Initiated	2019
Applicable Jurisdiction	Cook County and All Participating Jurisdictions
Lead Agency/Organization	Cook County Department of Homeland Security and Emergency Management
Supporting Agencies/Organizations	All Participating Jurisdictions
Applicable Goal	<ul style="list-style-type: none"> • Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects. • Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards. • Develop, promote, and integrate mitigation action plans. • Promote public understanding of and support for hazard mitigation.
Applicable Objective	6. Use the best available data, science and technologies to educate the public and to improve understanding of the location and potential impacts of natural hazards, the vulnerability of building types and community development patterns, and the measures needed to protect life safety.
Potential Funding Source	Local Funds and Grants
Estimated Cost	Medium
Benefits (loss avoided)	Increase public awareness and make information more readily available for the public. Increase emergency preparedness.
Projected Completion Date	Ongoing
Priority and Level of Importance (Low, Medium, High)	Medium
Benefit Analysis (Low, Medium, High)	Medium—Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.

Cost Analysis (Low, Medium, High)	Low—The project could be funded under the existing budget. The project is part of or can be part of an ongoing existing program.
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description	
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.

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
X	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion

	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

Action CW.25

Mitigation Action	Maximize mitigation plan participation by all jurisdictions within Cook County, including those municipalities that share borders with adjoining counties.
Year Initiated	2019
Applicable Jurisdiction	Cook County
Lead Agency/Organization	Cook County Department of Homeland Security and Emergency Management
Supporting Agencies/Organizations	All jurisdictions within Cook County
Applicable Goal	<ul style="list-style-type: none"> Involve stakeholders to enhance the local capacity to mitigate, prepare for, and respond to the impacts of natural hazards.
Applicable Objective	8. Establish partnerships among all levels of local government, the private sector, and/or nongovernmental organizations to improve and implement methods to protect people and property.
Potential Funding Source	Local Funds and Grants
Estimated Cost	Low
Benefits (loss avoided)	High
Projected Completion Date	Ongoing
Priority and Level of Importance (Low, Medium, High)	High
Benefit Analysis (Low, Medium, High)	High
Cost Analysis (Low, Medium, High)	Low
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description	
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.

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	

2020		
2021		
2022		
2023		

Mitigated Hazards	
X	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

Action CW.26

Mitigation Action	Implement and enforce zoning ordinances regarding impervious surface areas in residential and commercial areas to enhance drainage and manage development.
Year Initiated	2019
Applicable Jurisdiction	Cook County
Lead Agency/Organization	Cook County Department of Building and Zoning
Supporting Agencies/Organizations	All jurisdictions within Cook County (as applicable) and specifically unincorporated areas within the County
Applicable Goal	<ul style="list-style-type: none"> • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events and potential damage from such activities.
Applicable Objective	<p>3. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change.</p> <p>4. Integrate hazard mitigation policies into land use plans in the planning area.</p> <p>10. Strengthen codes and land use planning and their enforcement, so that new construction or redevelopment can avoid or withstand the impacts of natural hazards.</p>
Potential Funding Source	Local Funds and Grants
Estimated Cost	Low
Benefits (loss avoided)	High
Projected Completion Date	Ongoing
Priority and Level of Importance (Low, Medium, High)	High
Benefit Analysis (Low, Medium, High)	High
Cost Analysis (Low, Medium, High)	Low
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description	
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.

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
X	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees

	Hazardous Materials Incident
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Action CW.27

Mitigation Action	Promote and implement new ordinances, guidelines, and actions for tree removal and replacement.
Year Initiated	2019
Applicable Jurisdiction	Cook County
Lead Agency/Organization	Cook County Department of Building and Zoning
Supporting Agencies/Organizations	All jurisdictions within Cook County (as applicable) and specifically unincorporated areas within the County
Applicable Goal	<ul style="list-style-type: none"> Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events and potential damage from such activities.
Applicable Objective	<p>3. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change.</p> <p>4. Integrate hazard mitigation policies into land use plans in the planning area.</p> <p>10. Strengthen codes and land use planning and their enforcement, so that new construction or redevelopment can avoid or withstand the impacts of natural hazards.</p>
Potential Funding Source	Local Funds and Grants
Estimated Cost	Low
Benefits (loss avoided)	High
Projected Completion Date	Ongoing
Priority and Level of Importance (Low, Medium, High)	Medium
Benefit Analysis (Low, Medium, High)	High
Cost Analysis (Low, Medium, High)	Low
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description
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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.
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Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
X	High Wind
X	Snow
X	Blizzard
	Extreme Cold
X	Ice Storms
X	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
X	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

Action CW.28

Mitigation Action	Design and construct stormwater improvement projects in the County
Year Initiated	2019
Applicable Jurisdiction	Cook County
Lead Agency/Organization	Cook County Economic Development, MWRD
Supporting Agencies/Organizations	All jurisdictions within Cook County (as applicable) and specifically unincorporated areas within the County
Applicable Goal	<ul style="list-style-type: none"> • Develop and implement sustainable, cost-effective, and environmentally sound risk-reduction (mitigation) projects. • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events and potential damage from such activities.
Applicable Objective	<ol style="list-style-type: none"> 1. Eliminate or minimize disruption of local government operations caused by natural hazards through all phases of emergency management. 2. Increase the resilience of (or protect and maintain) infrastructure and critical facilities. 3. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change. 4. Integrate hazard mitigation policies into land use plans in the planning area. 7. Retrofit, purchase, or relocate structures in high hazard areas, including those known to be repetitively damaged. 9. Provide or improve flood protection on a watershed basis with flood control structures and drainage maintenance plans.
Potential Funding Source	Local Funds and Grants

Estimated Cost	High
Benefits (loss avoided)	High
Projected Completion Date	Ongoing
Priority and Level of Importance (Low, Medium, High)	High
Benefit Analysis (Low, Medium, High)	High
Cost Analysis (Low, Medium, High)	High
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description	
Action/Implementation Plan and Project Description:	<p>Projects that may be ready to proceed in the near future include, but are not limited to:</p> <ul style="list-style-type: none"> • Calumet Park – design/engineering and construction funding for stormwater improvements in West Calumet Park • Maywood - design/engineering and construction funding for stormwater improvements • Midlothian – design/engineering and possibly construction funding for stormwater improvements in the Jolly Homes subdivision

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
X	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard

	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

Action CW.29

Mitigation Action	Implement and sustain Cook County's Disaster Recovery Program.
Year Initiated	2019
Applicable Jurisdiction	Cook County
Lead Agency/Organization	Cook County Bureau of Economic Development - Cook County Department of Planning and Development
Supporting Agencies/Organizations	<ul style="list-style-type: none"> • All jurisdictions within Cook County (as applicable) and specifically unincorporated areas within the County • MWRD • Cook County Department of Transportation and Highways (CCDOTH) • U.S. Army Corps of Engineers (USACE) • Federal Emergency Management Agency (FEMA) • Illinois Department of Natural Resources (IDNR)
Applicable Goal	<ul style="list-style-type: none"> • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events and potential damage from such activities.
Applicable Objective	<p>2. Increase the resilience of (or protect and maintain) infrastructure and critical facilities.</p> <p>3. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change.</p> <p>7. Retrofit, purchase, or relocate structures in high hazard areas, including those known to be repetitively damaged.</p> <p>9. Provide or improve flood protection on a watershed basis with flood control structures and drainage maintenance plans.</p>

Potential Funding Source	Grants
Estimated Cost	High
Benefits (loss avoided)	High
Projected Completion Date	Ongoing
Priority and Level of Importance (Low, Medium, High)	High
Benefit Analysis (Low, Medium, High)	High
Cost Analysis (Low, Medium, High)	High
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description	
Action/Implementation Plan and Project Description:	Implement and continue progress on CDBG-DR projects.

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
X	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado

	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

Action CW.30

Mitigation Action	Proactively engage local-level GIS personnel and key stakeholders to determine local-level capabilities and datasets in order to better analyze hazard risk, exposure, vulnerability and impacts when conducting future risk assessments for the County and planning partners.
Year Initiated	2019
Applicable Jurisdiction	Cook County
Lead Agency/Organization	Cook County DHSEM
Supporting Agencies/Organizations	<ul style="list-style-type: none"> • All jurisdictions within Cook County • Cook County GIS Consortium
Applicable Goal	<ul style="list-style-type: none"> • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events and potential damage from such activities.
Applicable Objective	<p>2. Increase the resilience of (or protect and maintain) infrastructure and critical facilities.</p> <p>3. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change.</p> <p>8. Establish partnerships among all levels of local government, the private sector, and/or nongovernmental organizations to improve and implement methods to protect people and property.</p>
Potential Funding Source	Local Funds
Estimated Cost	Low
Benefits (loss avoided)	High
Projected Completion Date	Ongoing
Priority and Level of Importance (Low, Medium, High)	Medium
Benefit Analysis (Low, Medium, High)	High
Cost Analysis (Low, Medium, High)	Low
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description	
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.

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
X	All Hazards
	Dam/Levee Failure
	Drought
	Earthquake
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion
	Secondary Impacts from Mass Influx of Evacuees

	Hazardous Materials Incident
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Action CW.31

Mitigation Action	Obtain inundation maps and EAPs from owners of high hazard dams in the planning area
Year Initiated	2019
Applicable Jurisdiction	Cook County
Lead Agency/Organization	Cook County DHSEM
Supporting Agencies/Organizations	<ul style="list-style-type: none"> • MWRD • City of Chicago • Village of Richton • Illinois Department of Natural Resources • Borg Warner Equity Corp • City of Elmhurst • Village of Wheeling • Forest Preserve District of Cook County
Applicable Goal	<ul style="list-style-type: none"> • Protect the lives, health, safety, and property of the citizens of Cook County from the impacts of natural hazards. • Protect public services and critical facilities, including infrastructure, from loss of use during natural hazard events and potential damage from such activities.
Applicable Objective	<p>2. Increase the resilience of (or protect and maintain) infrastructure and critical facilities.</p> <p>8. Establish partnerships among all levels of local government, the private sector, and/or nongovernmental organizations to improve and implement methods to protect people and property.</p>
Potential Funding Source	No funding necessary
Estimated Cost	Low
Benefits (loss avoided)	High
Projected Completion Date	Ongoing
Priority and Level of Importance (Low, Medium, High)	High
Benefit Analysis (Low, Medium, High)	High
Cost Analysis (Low, Medium, High)	Low
Actual Completion Date	TBD

Recommended Mitigation Action/Implementation Plan and Project Description	
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.

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	
2020		
2021		
2022		
2023		

Mitigated Hazards	
	All Hazards
X	Dam/Levee Failure
	Drought
	Earthquake
	Flood
	Extreme Heat
	Lightning
	Hail
	Fog
	High Wind
	Snow
	Blizzard
	Extreme Cold
	Ice Storms
	Tornado
	Epidemic or pandemic
	Nuclear Power Plant Incident
	Widespread Power Outage
	Coastal Erosion

	Secondary Impacts from Mass Influx of Evacuees
	Hazardous Materials Incident

Ongoing Mitigation Actions

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

Action CW.1

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.1 —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.							
Ongoing (Initiated 2014)	All	2, 3, 5, 6, 12	DHSEM, Bureau of Technology	Low	Existing funding and programs	Long-term	New and existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.2

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.2 —Continue to support the success of the Public Safety Consortium in the following areas: mission, guidance, scope, structure, and training.							
Ongoing (Initiated 2014)	All	All	DHSEM, Public Safety Consortium	Low	Existing funding and programs	Short-term and ongoing	New and existing

(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.

Action CW.3

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.3 —Complete the countywide mass notification system project.							
Ongoing (Initiated 2014)	All	2, 5, 8, 12	DHSE M	Medium	Existing funding and programs	Short-term	New and existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.4

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.4 —Integrate WebEOC into countywide operations and partner agencies.							
Ongoing (Initiated 2014)	All	1, 2, 5, 8	DHSEM, Public Safety Consortium	Medium	Existing funding and programs	Short-term	New and existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.5

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.5 —Enhance the current Cook County evacuation plan.							
Ongoing (Initiated 2014)	All	5, 8, 12	DHSEM, Public Safety Consortium	Low	Existing funding and programs, Grants	Short-term and ongoing	Existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.6

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.6 —Review the Cook County sheltering inventory (type, location, and future development based on population models).							
Ongoing (Initiated 2014)	All Hazards	8, 12	DHSEM, Public Safety Consortium	Medium	Existing funding and programs, Grants	Short-term and ongoing	Existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.7

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.7 —Expand the Cook County Mobile Response Team capabilities for emergency and disaster response.							
Ongoing (Initiated 2014)	All	1, 2, 8, 12	DHSEM, Public Safety Consortium	Medium	Existing funding and programs, Grants	Short-term and ongoing	Existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.8

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.8 —Create a template to promote uniformity in Emergency Operations Plans within the planning area.							
Ongoing (Initiated 2014)	All	1, 2, 5, 8, 12, 13	DHSEM	Medium	Existing funding and programs, Grants	Short-term	New
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.9

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.9 —Develop and implement a countywide critical infrastructure security program							
Ongoing (Initiated 2014)	All	1, 2, 5, 8	DHSEM, Public Safety Consortium	Medium	Existing funding and programs, Grants	Short-term and ongoing	New and existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.10

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.10 —Develop a Cook County Community Emergency Response Team Program that is interoperable with local Community Emergency Response Team programs.							
Ongoing (Initiated 2014)	All	1, 2, 8, 12	DHSEM, Public Safety Consortium	High	Existing funding and programs, Grants	Long-term	New and existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.11

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.11 —Review outreach strategies for populations with access or functional needs to expand countywide support capabilities in all phases of the disaster cycle.							
Ongoing (Initiated 2014)	All	8, 12	DHSEM, Public Safety Consortium	Low	Existing funding and programs	Short-term and ongoing	New and existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.12

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.12 —Continue to promote the core competencies of the StormReady Program for increased countywide severe weather preparedness.							
Ongoing (Initiated 2014)	All	1, 2, 5, 6, 8, 12	DHSEM, Public Safety Consortium	Low	Existing funding and programs	Short-term and ongoing	New and existing

(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.

Action CW.13

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.13 —Revisit and review all existing mutual aid agreements and memorandums of understanding and determine how new action items should be incorporated.							
Ongoing (Initiated 2014)	Severe Weather	1, 2, 8	DHSEM, Public Safety Consortium, Dept. of Business Continuity	Low	Existing funding and programs	Short-term and ongoing	New and existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.15

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.15 —Identify and promote local, state, and federal funding sources for local flood mitigation projects.							

Ongoing (Initiated 2014)	Flood	1, 2, 7, 9	DHSEM, Bureau of Economic Development Department of Planning and Development	High	Existing funding and program s, Grants	Long-term	New and existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.16

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to new or existing assets
Action CW.16 —Consider the development of a countywide green infrastructure plan.							
Ongoing (Initiated 2014)	All	1, 3, 4, 6, 8, 10, 13	Metropolitan Water Reclamation District, Public Safety Consortium	Medium	Existing funding and programs, Grants	Long-term	New and existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.17

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.17 —Consider the development of a countywide climate adaptation strategy committee.							
Ongoing (Initiated 2014)	All	1, 3, 4, 6, 8, 10, 13	Public Safety Consortium, DHSEM	Medium	Existing funding and programs, Grants	Ongoing	New and existing

(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.

Action CW.18

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.18 —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.							
Ongoing (Initiated 2014) In 2019, DHSEM updated their mitigation website to more effectively communicate with the public.	All	6, 8	DHSEM	Low	Existing funding and programs	Ongoing	New and Existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.19

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.19 —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.							
Ongoing (Initiated 2014): The Illinois Association for	Flood	3, 6, 8, 9, 11	DHSEM, FEMA, IASFM	Medium	Existing funding and	Short-term	New and Existing

Floodplain and Stormwater Management currently has a course that is available to support planning partners in the education of NFIP and CRS.					program s		
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Action CW.20

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.20 —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.							
Ongoing (Initiated 2014)	Flood, Severe Weather	3, 6, 8, 9, 11	DHSEM, IDNR, USACE, MWRD	Medium	Existing funding and programs, Grants	Short- and long-term	New and Existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							

Completed Mitigation Actions

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

Action CW.14

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX							
Status	Hazards Mitigated	Objectives Met	Lead Agency	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)	Applies to New or Existing Assets
Action CW.14 —Develop a countywide hazards task force to create a collective approach to natural hazard mitigation through the unification of plans, actions, and data.							
Complete (Initiated 2014): The Hazard Mitigation Steering Committee represents this group and meets regularly to support and guide mitigation efforts in the county.	All	All	DHSEM, Metropolitan Water Reclamation District, Public Safety Consortium, Dept. of Business Continuity	Low	Existing funding and programs	Short-term and ongoing	New and existing
(a) Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.							