

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

Kenilworth Annex

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

Table of Contents

Hazard Mitigation Point of Contact	3
Jurisdiction Profile	4
Capability Assessment	5
Jurisdiction-Specific Natural Hazard Event	9
Hazard Risk Ranking.....	11
Mitigation Strategies and Actions.....	12
New Mitigation Actions	15
Ongoing Mitigation Actions	22
Completed Mitigation Actions.....	27
Future Needs to Better Understand Risk/Vulnerability	28
Additional Comments	29
HAZUS-MH Risk Assessment Results	30
Hazard Mapping	32

Hazard Mitigation Point of Contact

Primary Point of Contact	Alternate Point of Contact
Oscar Padilla Jr., Sgt. 419 Richmond Rd. Kenilworth, IL 60043 Telephone: 847-251-2141 Email Address: opadilla@kenilworthpd.org	Bryan Carlson, Sgt. 419 Richmond Rd. Kenilworth, IL 60043 Telephone: 847-251-2141 Email Address: bcarlson@kenilworthpd.org

Jurisdiction Profile

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

- Date of Incorporation: 1889
- Current Population: 2,494 as of 2018 US Census population estimate.
- Population Growth: Kenilworth’s population was 336 in 1900. At its peak it reached 2,980 residents in 1970 and has stayed in that vicinity with a stable population since.
- Location and Description: The Village is about 0.61 square miles in size and approximately 15 miles north of downtown Chicago. It is bordered by Winnetka to the North, Lake Michigan to the East, Wilmette to the South and Southwest and a small portion of Unincorporated Cook County to the West. The main corridors through town are Sheridan Road-running North-South on the East, Green Bay Road running North- South dissecting the town, Ridge Road running North-South on the West end and Kenilworth Avenue being the main East-West thoroughfare.
- Brief History: Kenilworth is a village in Cook County, Illinois. It is the newest of the nine suburban North Shore communities bordering Lake Michigan, and is the only one developed as a planned community. Kenilworth has a reputation as being the wealthiest and the most exclusive community in the Midwest. In January 2011, Forbes.com ranked Kenilworth as the second most affluent neighborhood in the United States, naming it “the most exclusive neighborhood in the Midwest, with estimated median household income of \$247,000. Kenilworth has its own public school district, with its only school being Joseph Sears School, named after the founder of the village. Kenilworth has its own Police Department and Public Works which includes Streets and Water. The Village contracts it’s Fire Service with the Winnetka Fire Department.
- Climate: Kenilworth gets about 32 inches of rain per year, compared to the U.S. average of 37. Kenilworth’s snowfall is about 24 inches compared to a U.S. average of about 25. Kenilworth averages about 110 days of measurable precipitation and there are approximately 188 sunny days per year. The July high is about 82 degrees and the low in January is about 13 degrees.
- Governing Body Format: The Village President and Board of Trustees are elected representatives of the citizens of Kenilworth. The Village President serves a four year term. Village Trustees serve four year overlapping terms. The Village Clerk is an elected official and is the official keeper and custodian of all Village records. The Clerk’s term of office is four years. Also working closely with the President and Board of Trustees is the Village Treasure, who is appointed by the President and Board of Trustees. The Village Board of Trustees utilizes a committee structure as outlined in the Municipal Code of the Village of Kenilworth. Each Trustee serves as Chairman of one of six standing committees, and serves as a member of two other standing committees. A Village Manager handles the day to day operations of the Village.
- Development Trends: The Village of Kenilworth is comprised mostly of residential properties. The Green Bay Road corridor, running North- South through the Village, is where the majority of businesses are located and consists of about 3 blocks. Park Drive also has smaller businesses consisting of doctors’ offices, a travel agency and other small businesses, encompassing about 2 blocks.

Capability Assessment

The assessment of the jurisdiction’s legal and regulatory capabilities is presented in the *Legal and Regulatory Capability Table* below. The assessment of the jurisdiction’s fiscal capabilities is presented in the *Fiscal Capability Table* below. The assessment of the jurisdiction’s administrative and technical capabilities is presented in the *Administrative and Technical Capability Table* below. Information on the community’s National Flood Insurance Program (NFIP) compliance is presented in the *National Flood Insurance Program Compliance Table* below. Classifications under various community mitigation programs are presented in the *Community Classifications Table* below.

TABLE: LEGAL AND REGULATORY CAPABILITY					
	Local Authority	State or Federal Prohibitions	Other Jurisdictional Authority	State Mandated	Comments
Codes, Ordinances & Requirements					
Building Code	Yes	No	No	Yes	In accordance with Public Act 096-0704, Illinois has adopted the IBC as its state Building Code CH. 150
Zonings	Yes	No	No	Yes	(65 ILCS 5/) Illinois Municipal Code. CH. 153
Subdivisions	Yes	No	No	No	CH. 152
Stormwater Management	No	No	Yes	Yes	State regulates industrial activity from Construction sites 1 acre or larger under section 402 CWA.
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	CH. 150
Public Health and Safety	No	No	Yes	Yes	Cook County Board of Health.
Environmental Protection	No	No	No	No	
Planning Documents					
General or Comprehensive Plan	Yes	No	No	No	
<i>Is the plan equipped to provide linkage to this mitigation plan?</i>					Yes, Plan includes a land use element.

Floodplain or Basin Plan	No	No	No	No	
Stormwater Plan	No	No	Yes	No	MWRD Detailed Watershed Plan
Capital Improvement Plan	Yes	No	No	No	
<i>What types of capital facilities does the plan address?</i>					All Village facilities
<i>How often is the plan revised/updated?</i>					Annually
Habitat Conservation Plan	No	No		No	
Economic Development Plan	No	No	Yes	Yes	The Economic Development Commission is charged with reviewing all economic development related programs and incentives including tax incentives offered through the Cook County 6b program.
Shoreline Management Plan	No	No	No	No	
Response/Recovery Planning					
Comprehensive Emergency Management Plan	Yes	No	Yes	Yes	
Threat and Hazard Identification and Risk Assessment	No	No	Yes	No	Cook County DHSEM Preparing THIRA
Terrorism Plan	Yes	No	Yes	Yes	Cook County DHSEM
Post-Disaster Recovery Plan	Yes	No	No	No	
Continuity of Operations Plan	Yes	No	Yes	No	Cook County DHSEM
Public Health Plans	No	No	Yes	No	Cook County DPH

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	No
User Fees for Water, Sewer, Gas or Electric Service	Yes
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	No
State Sponsored Grant Programs	Yes
Development Impact Fees for Homebuyers or Developers	No

TABLE: ADMINISTRATIVE AND TECHNICAL CAPABILITY		
Staff/Personnel Resources	Available?	Department/Agency/Position
Planners or engineers with knowledge of land development and land management practices	Yes	Engineering service is outsourced
Engineers or professionals trained in building or infrastructure construction practices	Yes	Partially Outsourced
Planners or engineers with an understanding of natural hazards	No	
Staff with training in benefit/cost analysis	Yes	
Surveyors	No	
Personnel skilled or trained in GIS applications	Yes	Cook County GIS Consortium
Scientist familiar with natural hazards in local area	No	
Emergency manager	Yes	Cook County DHSEM
Grant writers	No	

TABLE: NATIONAL FLOOD INSURANCE PROGRAM COMPLIANCE	
What department is responsible for floodplain management in your jurisdiction?	Administrator
Who is your jurisdiction’s floodplain administrator? (department/position)	Village Manager
Are any certified floodplain managers on staff in your jurisdiction?	No
What is the date of adoption of your flood damage prevention ordinance?	08/05/08 Amended, CH. 151
When was the most recent Community Assistance Visit or Community Assistance Contact?	Have not had a Community Assistance Visit
Does your jurisdiction have any outstanding NFIP compliance violations that need to be addressed? If so, please state what they are.	No
Do your flood hazard maps adequately address the flood risk within your jurisdiction? (If no, please state why)	Yes
Does your floodplain management staff need any assistance or training to support its floodplain management program? If so, what type of assistance/training is needed?	No
Does your jurisdiction participate in the Community Rating System (CRS)? If so, is your jurisdiction seeking to improve its CRS Classification? If not, is your jurisdiction interested in joining the CRS program?	No; Undecided

TABLE: COMMUNITY CLASSIFICATIONS

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

Jurisdiction-Specific Natural Hazard Event

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

The *Natural Hazard Events Table* lists all past occurrences of natural hazards within the jurisdiction.

- Repetitive flood loss records are as follows: Number of FEMA-Identified Repetitive Loss Properties: 0
- Number of FEMA-Identified Severe Repetitive Loss Properties: 0
- Number of Repetitive Flood Loss/Severe Repetitive Loss Properties That Have Been Mitigated: 0

TABLE: NATURAL HAZARD EVENTS			
Type of Event	FEMA Disaster # (if applicable)	Date	Preliminary Damage Assessment
Flash Flood	-	7/23/2016	-
Severe Storms	DR-4116	2013	-
Severe Winter Storms	DR-1960	2011	-
Severe Storms/Flooding	DR-1935	2010	-
Severe Storms/Flooding	DR-1800	2008	-
Severe Storms/Flooding	DR-1729	2007	-
Severe Winter Storm	EM-3161	2000	-
Winter Snow Storm	EM-3134	1999	-
Flooding	DR-1188	1997	-
Flooding	DR-1129	1996	-
Severe Storms/Flooding	DR-997	1993	-
Severe Storms/Flooding	DR-798	1987	-
Severe Storms/Flooding	DR-776	1986	-

Jurisdiction-Specific Hazards and Impacts

Hazards that represent a county-wide risk are addressed in the Risk Assessment section of the 2019 Cook County Multi-Jurisdictional Hazard Mitigation Plan Update. This section only addresses the hazards and their associated impacts that are **relevant** and **unique** to the municipality.

Flood: We experience flooding at Green Bay Rd. between Wayland Ave. In addition to this jurisdiction-specific hazard impact, the debris build-up at the Skokie ditch can cause Roger Ave. to flood. It is important to note that several side streets in our southeast quadrant are currently prone to flooding.

Tornado and High Wind: While no tornado has touched down in the area, high winds have been a major problem during severe weather events

Hazard Risk Ranking

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

TABLE: HAZARD RISK RANKING		
Rank	Hazard Type	Risk Rating Score (Probability x Impact)
1	Severe Weather	54
2	Flood	54
3	Severe Winter Weather	54
4	Tornado	54
5	Earthquake	36
6	Drought	2
7	Dam Failure	0

Mitigation Strategies and Actions

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

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

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

TABLE: HAZARD MITIGATION ACTION PLAN MATRIX						
Status	Hazards Mitigated	Objectives Met	Lead Agencies	Estimated Cost	Sources of Funding	Timeline/Projected Completion Date (a)
Action K1.1 —Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses.						
Ongoing	All	7, 13	Village of Kenilworth	High	FEMA Hazard Mitigation Grants	Long-term (depending on funding)
Action K1.2 —Continue to support the countywide actions identified in this plan.						
Ongoing	All	All	Village of Kenilworth	Low	General Fund	Short- and long-term
Action K1.3 —Actively participate in the plan maintenance strategy identified in this plan.						
Ongoing	All	3, 4, 6	DHSEM Village of Kenilworth	Low	General Fund	Short-term
Action K1.4 —Consider participation in incentive-based programs such as the Community Rating System, Tree City, and StormReady.						
Ongoing	All	3, 4, 5, 6, 7, 9, 10, 11, 13	Village of Kenilworth	Low	General Fund	Long-term
Action K1.5 —Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates, and providing public assistance and information on floodplain requirements and impacts.						
Ongoing	Flooding	4, 6, 9	Village of Kenilworth	Low	General Fund	Short-term and ongoing

Action K1.6 —Where feasible, implement a program to record high water marks following high-water events.						
Ongoing	Flooding, Severe Weather	3, 6, 9	Village of Kenilworth	Medium	General Fund; FEMA Grant Funds (Public Assistance)	Long-term
Action K1.7 —Integrate the hazard mitigation plan into other plans, programs, or resources that dictate land use or redevelopment.						
Ongoing	All	3, 4, 6, 10, 13	Contracted Engineer	Low	General Fund	Short-term
Action K1.8 —Update the Village Comprehensive Emergency Management plan to include relevant data for the Regional Hazard Mitigation Plan.						
Ongoing	All	1, 2, 5	Emergency Manager	Medium	General Revenue, Grants	Long-term
Action K1.9 —Clearing the Skokie ditch of debris to prevent urban flooding and allow the flow of stormwater through town into Lake Michigan.						
New	Flood	2, 3, 4, 13	Kenilworth Public Works	Low	Village of Kenilworth	2019/2020
Action K1.10 —Implementation of Infrastructure Plan for Urban Flooding Mitigation						
New	Flood	1, 2, 3, 4, 7, 10, 12	Village of Kenilworth	TBD	TBD	2023
Action K1.11 —Build a Village House to be Used as an E.O.C.						
New	All	1, 2, 3, 4, 5	Village of Kenilworth	\$11,000,000; High	Currently Seeking Funding	TBD
a. Ongoing indicates continuation of an action that is already in place. Short-term indicates implementation within five years. Long-term indicates implementation after five years.						

TABLE: MITIGATION STRATEGY PRIORITY SCHEDULE

Action Number	Number of Objectives Met	Benefits	Costs	Do Benefits Equal or Exceed Costs?	Is Project Grant-Eligible?	Can Project Be Funded Under Existing Programs/Budgets?	Priority (a)
1	2	High	High	Yes	Yes	No	Medium
2	13	Medium	Low	Yes	No	Yes	High
3	3	Medium	Low	Yes	Yes	Yes	High
4	9	Medium	Low	Yes	No	Yes	Medium
5	3	Medium	Low	Yes	No	Yes	High
6	3	Medium	Medium	Yes	Yes	No	Medium
7	5	Medium	Low	Yes	No	Yes	High
8	3	Medium	Medium	Yes	Yes	No	Medium

9	4	Medium	Low	Yes	Yes	Yes	Medium
10	7	High	Unknown	Unknown	Yes	Yes	High
11	5	High	Unknown	Unknown	Yes	Yes	High

a. See Chapter 1 for explanation of priorities.

New Mitigation Actions

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

Action K-1.9

Mitigation Action	Clearing the Skokie ditch of debris to prevent urban flooding and allow the flow of stormwater through town into Lake Michigan.
Year Initiated	2019
Applicable Jurisdiction	Village of Kenilworth
Lead Agency/Organization	Kenilworth Public Works
Supporting Agencies/Organizations	Village of Kenilworth/Eagle Scouts
Applicable Goal	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. Promote public understanding of and support for hazard mitigation.
Applicable Objective	Increase the resilience of (or protect and maintain) infrastructure and critical facilities. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change. Integrate hazard mitigation policies into land use plans in the planning area. Encourage hazard mitigation measures that result in the least adverse effect on the natural environment and that use natural processes.
Potential Funding Source	Village of Kenilworth
Estimated Cost	TBD
Benefits (loss avoided)	Reduces flooding of homes along Skokie ditch and flooding of urban streets.
Projected Completion Date	2019/2020
Priority and Level of Importance (Low, Medium, High)	Medium Priority
Benefit Analysis (Low, Medium, High)	Medium- Project will have a long-term impact on the reduction of risk exposure for life and property, or project will provide an immediate reduction in the risk exposure for property.
Cost Analysis (Low, Medium, High)	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	

Action/Implementation Plan and Project Description:	
------------------------------------------------------------	--

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 K-1.10

Mitigation Action	Implementation of Infrastructure Plan for Urban Flooding Mitigation
Year Initiated	2018
Applicable Jurisdiction	Village of Kenilworth
Lead Agency/Organization	Village of Kenilworth
Supporting Agencies/Organizations	
Applicable Goal	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	Eliminate or minimize disruption of local government operations caused by natural hazards through all phases of emergency management. Increase the resilience of (or protect and maintain) infrastructure and critical facilities. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change. Integrate hazard mitigation policies into land use plans in the planning area. Retrofit, purchase, or relocate structures in high hazard areas, including those known to be repetitively damaged. Strengthen codes and land use planning and their enforcement, so that new construction or redevelopment can avoid or withstand the impacts of natural hazards. Reduce natural hazard-related risks and vulnerability to potentially isolated populations within the planning area.
Potential Funding Source	TBD
Estimated Cost	TBD
Benefits (loss avoided)	TBD
Projected Completion Date	2023
Priority and Level of Importance (Low, Medium, High)	High
Benefit Analysis (Low, Medium, High)	High
Cost Analysis (Low, Medium, High)	TBD
Actual Completion Date	

Recommended Mitigation Action/Implementation Plan and Project Description

Action/Implementation Plan and Project Description:	The Kenilworth 2023 Infrastructure Plan is being implemented; porous asphalt will be poured throughout village streets to mitigate urban flooding.
------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019		Phase II is in the works. Phase I is already completed.
2020		
2021		
2022		
2023		Projected completion planned

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 K-1.11

Mitigation Action	Build a Village House to be Used as an E.O.C.
Year Initiated	2019
Applicable Jurisdiction	Village of Kenilworth
Lead Agency/Organization	Village of Kenilworth
Supporting Agencies/Organizations	
Applicable Goal	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	Eliminate or minimize disruption of local government operations caused by natural hazards through all phases of emergency management. Increase the resilience of (or protect and maintain) infrastructure and critical facilities. Consider the impacts of natural hazards on future land uses in the planning area, including possible impacts from climate change. Integrate hazard mitigation policies into land use plans in the planning area. Develop, improve, and protect systems that provide early warnings, emergency response communications, and evacuation procedures.
Potential Funding Source	Currently seeking funding
Estimated Cost	\$11,000,000
Benefits (loss avoided)	TBD
Projected Completion Date	TBD
Priority and Level of Importance (Low, Medium, High)	High
Benefit Analysis (Low, Medium, High)	High
Cost Analysis (Low, Medium, High)	High
Actual Completion Date	

Recommended Mitigation Action/Implementation Plan and Project Description	
Action/Implementation Plan and Project Description:	Acquire funding to support the building of a Village house. A section of the building will be used as an E.O.C. The building is supported by the Park District and local school.

Mitigation Action and Project Maintenance		
Year	Status	Comments
2019	New	This is in the planning phase and funds are being raised. Funding is currently being sought for the building and generator.
2020		
2021		
2022		
2023		

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

Ongoing Mitigation Actions

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

Action K-1.1

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# K-1.1	Where appropriate, support retrofitting, purchase, or relocation of structures in hazard-prone areas to prevent future structure damage. Give priority to properties with exposure to repetitive losses	
Status Description: Yes		O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action K-1.2

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# K-1.2	Continue to support the countywide actions identified in this plan.	
Status Description: Yes		O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action K-1.3

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# K-1.3	Actively participate in the plan maintenance strategy identified in this plan.	
Status Description: Yes		O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action K-1.4

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# K-1.4	Consider participation in incentive-based programs such as the Community Rating System, Tree City and StormReady.	
Status Description: Yes		O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action K-1.5

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# K-1.5	Maintain good standing under the National Flood Insurance Program by implementing programs that meet or exceed the minimum NFIP requirements. Such programs include enforcing an adopted flood damage prevention ordinance, participating in floodplain mapping updates and providing public assistance and information on floodplain requirements and impacts.	
Status Description: Yes		O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action K-1.6

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# K-1.6	Where feasible, implement a program to record high water marks following high-water events.	
Status Description: No		X
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action K-1.7

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# K-1.7	Integrate the hazard mitigation plan into other plans, programs or resources that dictate land use or redevelopment.	
Status Description: No		X
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Action K-1.8

TABLE: ACTION PLAN MATRIX		
Action Number Action Taken Y/N	Action Item Description	Status (X, O, C, R, N)
# K-1.8	Update the Village Comprehensive Emergency Management plan to include relevant data for the Regional Hazard Mitigation Plan.	
Status Description: Yes		O
Completion status legend: N = New O = Action Ongoing toward Completion C = Project Completed R = Want Removed from Annex X = No Action Taken		

Completed Mitigation Actions

Kenilworth has no completed actions at this time.

Future Needs to Better Understand Risk/Vulnerability

No needs have been identified at this time.

Additional Comments

No additional comments at this time.

HAZUS-MH Risk Assessment Results

KENILWORTH EXISTING CONDITIONS	
2010 Population	2,513
Total Assessed Value of Structures and Contents	\$799,834,591
Area in 100-Year Floodplain	4.32 acres
Area in 500-Year Floodplain	4.32 acres
Number of Critical Facilities	7

HAZARD EXPOSURE IN KENILWORTH						
	Number Exposed		Value Exposed to Hazard			% of Total Assessed Value Exposed
	Population	Buildings	Structure	Contents	Total	
Dam Failure						
Buffalo Creek	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #2	0	0	\$0	\$0	\$0	0.00%
Touhy	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #3	0	0	\$0	\$0	\$0	0.00%
U. Salt Cr. #4	0	0	\$0	\$0	\$0	0.00%
Flood						
100-Year	0	0	\$0	\$0	\$0	0.00%
500-Year	0	0	\$0	\$0	\$0	0.00%
Tornado						
100-Year	—	—	\$302,306,902	\$192,263,392	\$494,570,294	61.83%
500-Year	—	—	\$445,921,328	\$264,082,254	\$710,003,583	88.77%

ESTIMATED PROPERTY DAMAGE VALUES IN KENILWORTH				
	Estimated Damage Associated with Hazard			% of Total Assessed Value Damaged
	Building	Contents	Total	
Dam Failure				
Buffalo Creek	\$0	\$0	\$0	0.00%
U. Salt Cr. #2	\$0	\$0	\$0	0.00%
Touhy	\$0	\$0	\$0	0.00%
U. Salt Cr. #3	\$0	\$0	\$0	0.00%
U. Salt Cr. #4	\$0	\$0	\$0	0.00%
Earthquake				
1909 Historical Event	\$1,146,618	\$153,994	\$1,300,612	0.16%

Flood				
10-Year	\$0	\$0	\$0	0.00%
100-Year	\$0	\$0	\$0	0.00%
500-Year	\$0	\$0	\$0	0.00%
Tornado				
100-Year	\$30,230,690	\$19,226,339	\$49,457,029	6.18%
500-Year	\$65,104,514	\$38,556,009	\$103,660,523	12.96%

Hazard Mapping





