

KANE COUNTY

Brolley, Berman, Burns, Kaptain, Pickett, Michels Hernandez, Silva, Martin, Allan, Sanchez, Lenert Ex-Officio: Frasz, Lauzen & Nelson

STORMWATER MANAGEMENT PLANNING COMMITTEE

JULY 14, 2020

County Board Room

Agenda

4:00 PM

Kane County Government Center, 719 S. Batavia Ave., Bldg. A, Geneva, IL 60134

1. Call to Order

2. Approval of Minutes: June 11, 2019

3. Public Comments

5. Presentation: Kane County Hazard Mitigation Plan

6. Discussion: Stormwater Ordinance – Typographical Amendments

7. New Business

8. Adjournment

Kane County Page 1

Hazard Mitigation Planning Process

Presented by Kane County Natural Hazard Mitigation Committee July 14, 2020

Introduction

- Kane County Natural Hazard Mitigation Plan
 - First adopted in 2003 by the County Board Resolution 03-308
 - Updated every five years
 - Five years is here again
- Outcomes for today:
 - Define Hazard Mitigation
 - Layout Planning Process
 - Discuss Outreach

What is Hazard Mitigation?

 Any sustained action taken to reduce or eliminate long term-term risk to human life and property from a hazard event. –FEMA

What are some Examples?

Acquisition

Chapter 6 Parks and Open Space Plan



Acquisition and Expansion Strategy
The St. Charles Park District Master Plan lays out a vision
for the future of the Park District and also describes the need
and desire for future acquisition. It is the policy of the St.
Charles Park District to continue to aggressively acquire land
for future park space and preservation. The Park District will

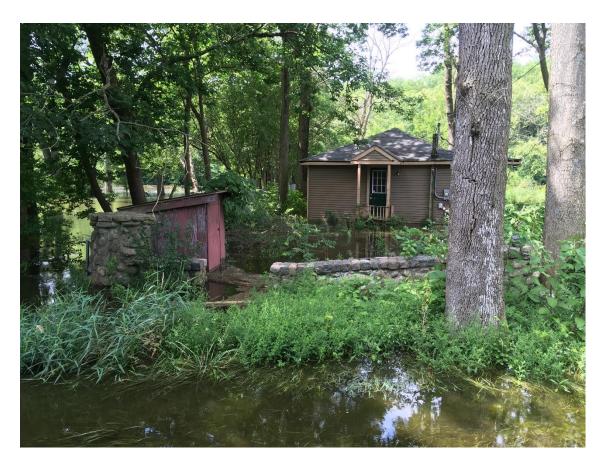
The Park District has identified the following areas for acqui-

» Sites in the City: 1) Expansion of Delnor Woods Park, located on Fifth Avenue northeast of Downtown. The expansion was acquired by the Park District in 2012;

With an understanding of the role played by parks and open space throughout St. Charles, the City should continue to work closely with the Park District in implementing its Comprehensive Master Plan. This may involve actions such as coordinating the selection of new park locations and facili-

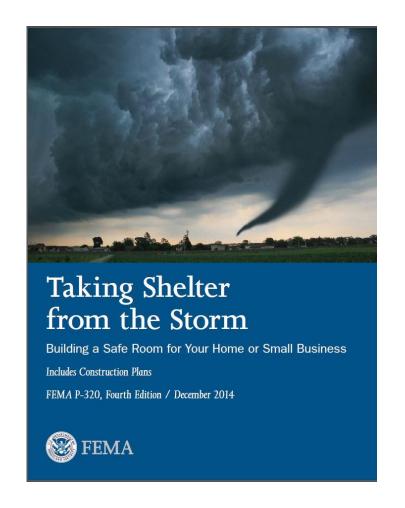


Elevation





Safe Room





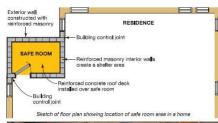


Figure 3-2:
In-home safe room under construction; the CMU walls of the safe room are fully grouted and vertically reinforced with steel reinforcing bars from the foundation to the concrete roof deck (New Smyrna Beach, FL, 2007)



3.4 Safe Room Size

The amount of floor area per person that your safe room must provide depends partly on the type of windstorm from which the safe room is intended to protect you.

Tornadoes are not typically long-lasting storms, so if you are relying on your safe room only for tornado protection, you will not need to stay in the safe room for as long as you would for a hurricane. As a result,

USABLE SPACE

Consult FEMA P-361 for guidelines on how to identify the net usable floor space and other requirements for a safe room design. Hard fixtures and furnishings reduce the square footage within a safe room that is available for protecting occupants.

What is Hazard Mitigation Planning

- Engaging in any process to identify risks and vulnerabilities associated with natural disasters and develop long-term strategies for protecting people and property from future hazard events
- Hazard mitigation activities may be implemented prior to, during, or after an event. However, it has been demonstrated that hazard mitigation is most effective when based on an inclusive, comprehensive, long-term plan that is developed before a disaster occurs.

Federal Planning Regulations

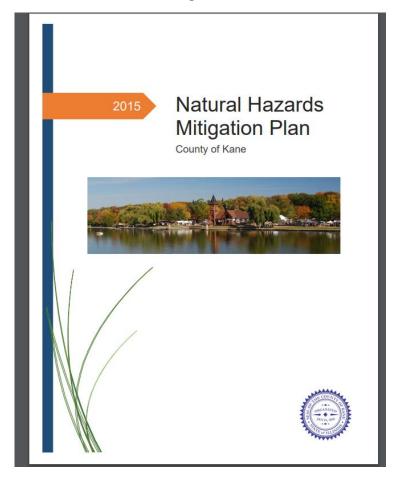
- Federal Planning Regulations
 - Disaster Mitigation Act of 2000
 - Establishes eligibility for FEMA Hazard Mitigation Assistance
 - Local governments must have a Hazard
 Mitigation Plan submitted and reviewed by
 the State and FEMA
 - Title 44 Code of Federal Regulations (CF)
 201.6
 - Publishes requirements of the Plan

Local Mitigation Plan Review Guide

October 1, 2011



Time to update our Plan





Kane County Natural Hazards Mitigation Committee

Annual Report For 2019 Task 1:Determine the Planning Area

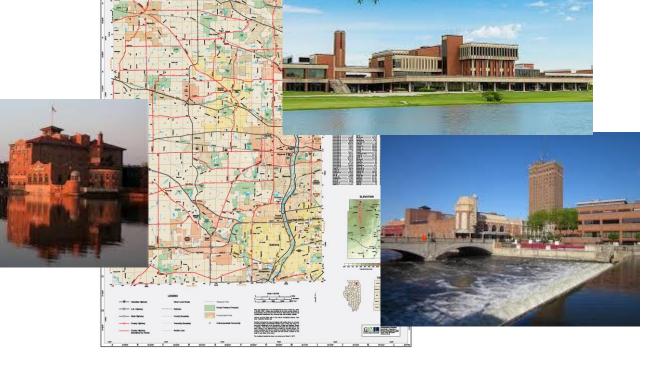
Kane County - Multi Jurisdictional – County,
 Municipalities, Elgin Community College

Participation

Assess unique risks

Identify unique mitigation activities

Adopt plan



Task 2: Build a Team

- Identify Planning Team Members
- Stakeholders
- Getting Buy In
- Promote Participation







Partners Involved in Hazard Mitigation Activities

- Building Code Enforcement
- · Emergency Management
- Fire Department/Districts
- · Floodplain Administration
- Geographic Information Systems (GIS)
- · Parks and Recreation
- Planning/Community Development
- Public Information Office
- · Public Works
- Stormwater Management
- Transportation (Roads/Bridges)
- · State Emergency Management Office
- Regional Planning Agency

Partners with Authority to Regulate Development

- · City Council/Board of Commissioners
- Planning Commission
- · Planning/Community Development
- · Regional/Metropolitan Planning

Task 3: Create an Outreach Strategy

How do we reach out to Stakeholders and the Public?

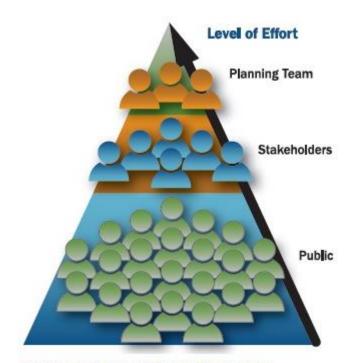


Figure 3.1: Outreach strategy framework

The planning process shall include an opportunity for the public to comment on the plan during the drafting stage and prior to plan approval. 44 CFR §201.6(b)(1)

Reaching out to folks in the "new normal"?





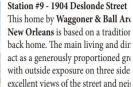
Self-Guided Tour

Welcome to the Make It Right community in the Lower 9th Ward. Make It Right is an organization dedicated to rebuilding safe, sustainable and affordable homes for families who lost everything in Hurricane Katrina.

Before you begin your tour, please be advised that this is a neighborhood of private homes. Be respectful of the homeowners' privacy by walking on the sidewalk, not up driveways or through yards. Please do not ask to go inside someone's home.

Please also be aware that this is an active contruction side. **Do** I home under construction. Keep an eye out for cars and constr vehicles as you cross the street.

MAKE IT RIGHT



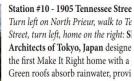
- Resiliency Walk
- **Elevated Homes tour**
- Surveys

SurveyMonkey®

- Webpages
- Public Meetings online
- Open Houses on Social Media
- Flood App
- Game of Floods







Task 4: Review Community Capabilities

Planning and Regulatory

Administrative and technical

Financial







Programs

Comprehensive Land

Watershed Protection

Use Plan (CLUP)

Program Status

Adopted and in effect

Adopted and in effect

Document Reference

Coastal Area Management Act (CAMA)

Plan: Adopts goals intended to guide

of undesirable floodplain; su management development areas. See Se on Bridgeton

Adopts devel

standards, de

requirements

to oversee or

allows "plann (PUD) that cli Article IX).

future land use; encourages avoidance



Effectiveness/

Rationale for Mitigation

High, sets prudent planning

objectives for reduction of

hazards and post-disaster

Recommendations for

Future Action

None, other than update o

STORMWATER

MANAGEMENT

ORDINANCE

Education and Outreach

Task 5: Conduct a Risk Assessment

- The risk assessment shall include a description of the type, location and extent of all natural hazards that can affect the jurisdiction. 44 CFR §201.6(c)(2)(i)
- The risk assessment shall include information on previous occurrences of hazard events and on the probability of future hazard events.44 CFR §201.6(c)(2)(i)
- The risk assessment shall include an overall summary of each hazard and its impact on the community. 44 CFR §201.6(c)(2)(ii)

All plans must address NFIP insured structures
that have been repetitively damaged by
floods. 44 CFR §201.6(c)(2)(ii)

 A local jurisdiction must review and revise its plan to reflect changes in development. 44 CFR §201.6(d)(3)

Consider the communities assets

- People
 - Concentration of residents

Access and needs of population

Vulnerable populations



- Economy
 - Major employers
 - Commercial centers
 - Agriculture
 - Economy and dependency on infrastructure





- Structures
 - Locations, types, value
 - Cultural and Historical
 - New Development



- Critical Facilities and Infrastructure
 - Location, age, value
 - Dependency on



- Natural Environment
 - Wetlands and Lakes and Rivers
 - Parks and Forests
 - Wildlife and Habitat



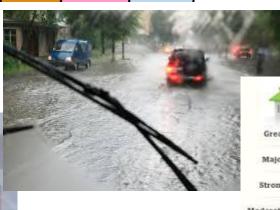
What can happen and what has happened in Kane County?

Photo by Brad Goddard

Illinois Mitigation Plan 2017

County Name	Population	Severe Storms	Floods	Severe Winter Storms	Drought	Extreme Heat	Earthquake	Tornado
Kane	531,715	Severe	Medium	High	Low	Low	Low	Medium



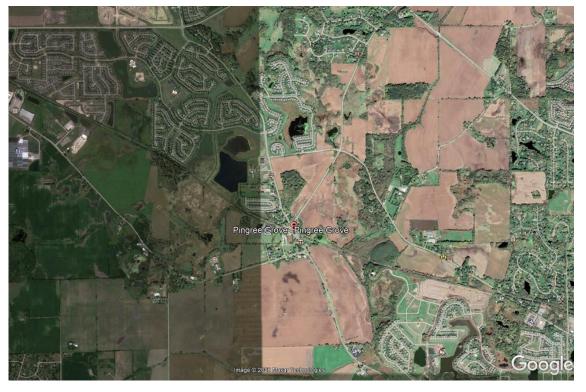






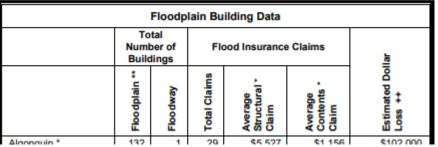
Then and now...





1993 2020



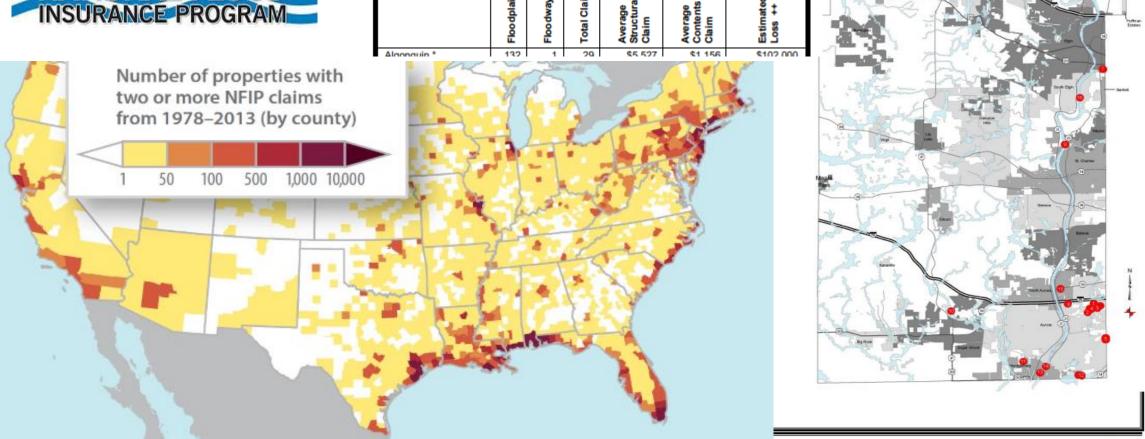


Map 2-3. Repetitive Loss Areas

2-22

Vatural Hazards Mitigation Plan

May 2015



The darker colors show counties particularly prone to repetitive losses. Image credit: "Overwhelming Risk: Rethinking Floc nsurance in a World of Rising Seas" (Union of Concerned Scientists), based on FEMA data.

Task 6: Develop a Mitigation Strategy



Goal

- 2 Goals Minimum
- Re-evaluate current goals

Action

- Local Plans
- Structure and Infrastructure
- Natural Systems Protection
- Education and Awareness

Action Plan

- Prioritize Actions
- How will Actions be implemented

Potential Actions





Contact Info:

HOME About News Funding-Grants Topics Index Links Members Resources Subwatershed

Watershed Planning in the Fox River Basin

Blackberry Creek Watershed



For more information about what a watershed is and general

information about this planning process, please click on this

Blackberry Creek Watershed Larger map here

The Blackberry Creek watershed is located in southwest Kane and northwest Kendall counties and has a drainage area of approximately 75 square miles. The watershed covers portions of the Cities of Aurora, Batavia and Yorkville, and the Villages of Campton Hills, Elburn, ontgomery, North Aurora, Oswego and Sugar Grove. The watershed is located on the urban fringe of the Chicago metropolitan area. Approximately 56% of the watershed land use is agricultural. Kane and Kendall counties are two of the fastest growing counties in Illinois (Kendall #1 and Kane #5). The total population n Blackberry Creek watershed is approximately 25,374.

HOME Page

Google Earth Map Files

Map of Blackberry Creek

Watershed

Blackberry Creek Watershed Blackberry Creek Streams Blackberry Creek Project

Download Google Earth

How to Use Google Earth



In the face of climate change and deadly fires, states from California to Colorado are turning hungry animals loose on the





Mitigation Ideas

A Resource for Reducing Risk to Natural Hazards

January 2013



Task 7: Keep the Plan Current

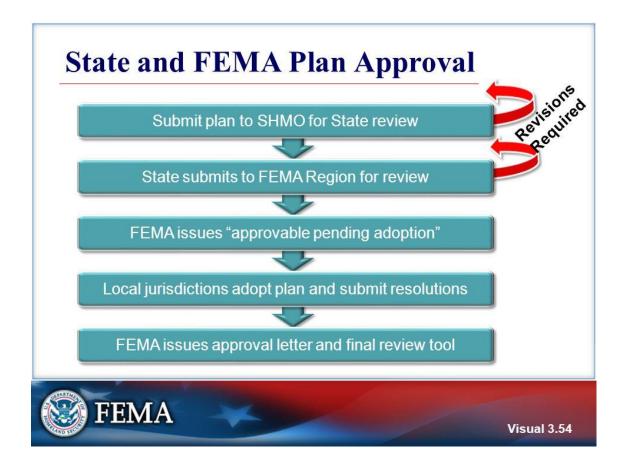
 The plan maintenance process shall include a section describing the method and schedule of monitoring, evaluating, evaluating, and updating the mitigation plan within a five-year cycle. 44 CFR §201.6(c)(4)(i)



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Task 8: Review and Adopt the Plan



Task 9: Create a Safe and Resilient Community





Things to do next

- ☐ Participate in public meetings and committee meetings
 - □ Natural Hazard Mitigation meeting topics:
 - ☐ Assess the hazards
 - Set Goals
 - Review Possible Activities
 - ☐ Draft an Action Plan
- ☐ Talk to your planners, engineers, emergency management staff, first responders, local officials, stakeholder groups, community leaders and residents
- ☐Get feed back
- Let's make a plan that works for Kane County!

Thank you for your time

