



Hazard Mitigation Plan

Macon County, Illinois

Mitigation Strategy Meeting

February 14, 2013





Introductions

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Meeting Agenda

Outline

- 1. Introductions**
- 2. Current Progress**
- 3. Additional Plan Element Needs**
- 4. Next Steps**



Hazard Mitigation Plan - Goals

Hazard Mitigation Plan Goal

- 1. Protect lives and property through identification of Macon County specific hazards and development of sound mitigation projects**
- 2. Allows for Federal funding for mitigation projects.**

Today's Meeting Goal

- 1. Identify additional mitigation actions**
- 2. Outline remaining steps**



Hazard Mitigation Plan - Overview

Primary Elements

1. Planning
2. Risk Assessment
3. Mitigation Strategies
4. Plan Review and Adoption
5. Plan Maintenance





Planning Process

Stakeholder Involvement

1. Kickoff Meeting – 2/22/2012
2. Hazard Assessment Meeting – 8/20/2012
3. Mitigation Strategy Review – Today
4. Public Comment Period – March, 2013



Hazard Risk Assessment

How Do You Quantify Risk?

1. Calculate Event Probabilities
2. Determine Potential Impacts
 - Economic Damage, Population, Critical Facilities
3. Calculate Risks / Vulnerabilities





Hazard Risk Assessment

Hazard Prioritization Results

1. Flooding
2. Severe Storms
3. Drought
4. Winter Storms
5. Tornadoes
6. Extreme Heat
7. Nuclear / Hazardous Material Accidents
8. Dam Failure
9. Earthquakes



Mitigation Actions

Mitigation Project Types

- 1. Preventative Actions**
- 2. Property Protection**
- 3. Emergency Services**
- 4. Structural Projects**
- 5. Public Information**



Mitigation Actions

Community	Actions Identified										
	Multi-Hazard	Severe Storms	Flooding	Winter Storms	Drought	Tornadoes	Earthquakes	Extreme Heat	Dam / Levee Failure	Hazardous Materials / Nuclear Accidents	
Argenta, Village of	X				X						X
Blue Mound, Village of											
Decatur, City of	X	X			X	X					X
Sanitary District of Decatur	X										X
Forsyth, Village of	X		X		X	X					X
Harristown, Village of					X						X
Long Creek, Village of											
Macon, City of			X			X					X
Maroa, City of											
Macon County	X		X		X	X					X
Mount Zion, Village of											
Niantic, Village of											
Oreana, Village of											
Warrensburg, Village of											
	X	X	X		X	X					



Mitigation Actions

Community	Actions Identified										
	Multi-Hazard	Severe Storms	Flooding	Winter Storms	Drought	Tornadoes	Earthquakes	Extreme Heat	Dam / Levee Failure	Hazardous Materials / Nuclear Accidents	
Argenta, Village of	X			X							X
Blue Mound, Village of											
Decatur, City of	X	X		X	X						X
Sanitary District of Decatur	X										X
Forsyth, Village of	X		X	X	X						X
Harristown, Village of				X							X
Long Creek, Village of											
Macon, City of			X		X						X
Maroa, City of											
Macon County	X		X	X	X						X
Mount Zion, Village of											
Niantic, Village of											
Oreana, Village of											
Warrensburg, Village of											
	X	X	X		X	X					

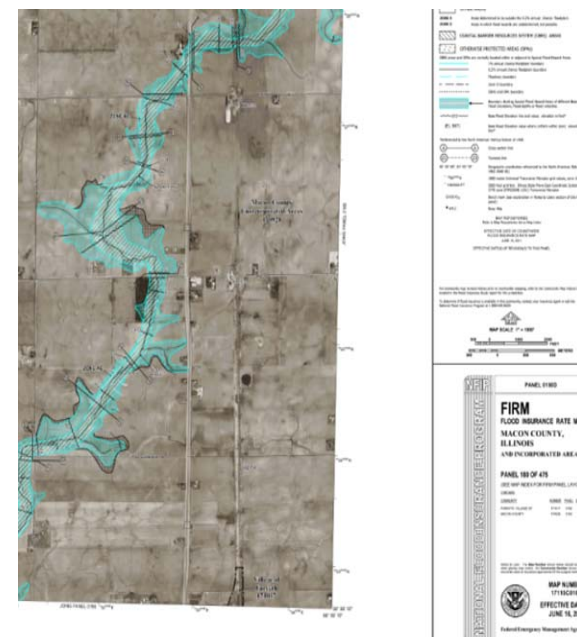
Mitigation Actions - Flooding

Identified Actions

1. Purchase and remove rep loss property
2. Drainage and stormwater improvements
3. New or updated flood studies
4. Retrofit and flood proofing projects

Potential Actions

1. Public education regarding flood mitigation techniques
2. Strengthen floodplain management





Mitigation Actions – Severe Storms

Identified Actions

1. Distribute NOAA Weather radios
2. Backup power generators

Potential Actions

1. Public awareness campaigns
2. Strengthen building codes
3. Maintain utility corridors to prevent power outages



Mitigation Actions – Winter Storms

Identified Actions

1. Backup power generators

Potential Actions

1. Public awareness campaigns
2. Identify at-risk populations for long-term power outages
3. Maintain utility corridors to prevent power outages



Mitigation Actions – Drought

Identified Actions

1. Silt dams on tribs to Lake Decatur
2. New water wells
3. Supplemental supply transmission lines

Potential Actions

1. Encourage / promote water conservation and reuse
2. Reduce erosion at source



Mitigation Actions – Tornadoes

Identified Actions

1. Distribute weather radios
2. Install / upgrade warning sirens

Potential Actions

1. Install individual or community storm shelters or safe rooms
2. Public awareness campaigns



Mitigation Actions – Earthquakes

Potential Actions

1. Adopt and enforce building codes
2. Public awareness campaigns
3. Identify and map earthquake prone areas





Mitigation Actions – Extreme Heat

Potential Actions

1. Reduce urban heat island effect
2. Identify and assist vulnerable populations
3. Public awareness campaigns



Mitigation Actions – Dam Failure

Potential Actions

1. Implement Operations and Maintenance Plan
2. Develop an Emergency Action Plan including breach analysis
3. Perform annual inspections
4. Public awareness campaigns



Mitigation Actions – Hazardous Material and Nuclear Accidents



Potential Actions

1. Prepare accident response plans
2. Continue implementation of Hazardous Material Plan
3. Public awareness campaigns





Mitigation Plan Maintenance

Maintenance and Update Schedule

1. Continuous updates
2. Annual reviews
3. 5-year update cycle

Next Steps



Remaining Schedule

- 1. Final mitigation projects incorporated – 3/1**
- 2. Public review and comment period – 3/1 to 4/1**
- 3. IEMA Review – 4/1 to 5/1**
- 4. FEMA Review – 5/15 to 6/15**
- 5. Plan Adoption**



Questions

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