



What is Hazard Mitigation?

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Mitigation Planning History

Hazard Mitigation Definitions

Hazard Analysis-Risk Assessment



Hazard Mitigation History

Stafford Act 1988 - HMGP (404)

Harkin Amendment - 1993

Pre-Disaster Mitigation Act Planning

Disaster Mitigation Act 2000



What is “Hazard Mitigation”?

Broad definition:

Any measures undertaken to reduce the risks posed by natural and/or manmade hazards on a place and its population.

Stafford Act definition:

Any sustained action taken to reduce or eliminate the long-term risk to human life and property from hazards.



Hazard Mitigation Definitions

Broad Definition

It includes EVERYTHING

Reviewers say: “Next time include mitigation, not just preparedness




Hazard Mitigation Definitions

Second Definition - Focus

Built environment

Reduces the **NEED** for response resources;
does not **INCREASE** response capabilities



Hazard Analysis - Risk Assessment

What could happen if a natural hazard event occurred in your community?

Foundation for identifying mitigation measures that reduce or eliminate risk.



Hazard Analysis

What hazards could affect the community?



Risk Assessment

What could the hazard do?

Percent of people and property

Geographical area

Severity

Fatalities/Injuries

Property Loss

Economic Loss

Impact of future land use and development

Sample Worksheet

Sector	Essential Facilities at Risk	
	Population at Risk	
	Infrastructure at Risk	
	Property at Risk	
	Expected Extent of Damage	Percent of Sector Property
	Severe	
	Substantial	
	Limited	
None		

Two Measures

CRS (Community Rating System)

Discounted Flood Insurance Premiums

Implement measures that exceed
minimum NFIP requirements

Iowa City and Cedar Rapids - Class 8

10% discount in SFHA

5% discount outside SFHA



Two Measures

28E Agreement - Permitting

City or County Building Official

Collects permit fee

Performs permitting and inspection

Community

Receives 10% of permit fee