

# University of Iowa Pre-Disaster Mitigation Plan

## Community Forum and Open Meeting

*Tuesday August 25, 2009  
6:30 – 8:30 p.m.*

*Indiana Room, Iowa Memorial Union*

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# Housekeeping & Format

- Please hold all questions until the end of the presentation.
- Length of 30 minutes for 24 slides.
- Today's open forum will discuss 404 mitigation in general, not 406 mitigation or specific flood recovery.
- Restrooms located in hallway towards the Big Ten Lobby.

# Overview

1. Introductions and Timeline
2. What is mitigation planning?
  - Why write a PDMP?
  - What is in the PDMP?
  - Natural Hazards Considered
  - Mitigation Strategies
3. Plan Goals and Objectives
4. Plan Review and Maintenance
5. Summary

# Introductions

## **Pre-Disaster Mitigation Plan Steering Committee Members**

- University of Iowa, all sections of campus
- City of Iowa City
- City of Coralville
- Johnson County Emergency Management Agency
- Federal Emergency Management Agency provided technical assistance

# Timeline for PDMP

- **March – April 2009:** UI met with Iowa City, Johnson County, HSEM to discuss planning
- **May 2009:** Pre-Disaster Mitigation Plan Steering Committee formed; PDMP drafting begins
- **June 2009:** First PDMP draft circulated
- **July 2009:** PDMP draft finalized, submitted to Senior Vice President & Treasurer
- **August 2009:** PDMP draft shared with public, 30 day waiting period for comments follows
- **September 2009:** PDMP submitted for formal review
- **October 2009:** Receive notice of approval

# Hazard Mitigation (FEMA)

Any sustained action taken to reduce or eliminate long-term risk to people and property from natural hazards and their effect.

Actions that have a **long-term impact** distinguishes ***hazard mitigation*** from immediate preparedness, response and recovery activities.

# What is Mitigation Planning?

**Disaster Mitigation Act of 2000** established a national program for disaster mitigation. Required approved plan beginning in 2004.

- Enables a community to identify and diminish risks prior to an actual disaster.
  - Encourages sustainability and prevention rather than response and recovery alone.
- Plans can be single or multijurisdictional.
  - The UI PDMP is a single jurisdiction plan.

# Why write a PDMP? What is the purpose?

- Identify hazards and understand risks
- Build relationships prior to an emergency
- FEMA approved PDMP is required for funding opportunities:
  - Hazard Mitigation Grant Program (HMGP)
  - Pre-Disaster Mitigation (PDM)
  - Flood Mitigation Assistance (FMA)
  - Repetitive Flood Claims (RFC)
  - Severe Repetitive Loss (SRL)

# What is in the PDMP?

**44 CFR 201.6** outlines content requirements

- Plan Purpose
- Development Process
- Community Demographics
- Hazard Profiles and Risk Assessment
  - Describe type, location, geographic extent, vulnerability of natural hazards
    - Tornado vs. Flood vs. Structural Fire
  - Estimate potential losses

# PDMP contents, page 2

## Hazard Mitigation Alternatives

- “Preparedness” actions for all hazards
  - Emergency notification system
  - Education and training
- Mitigation actions specific to a hazard
  - Safe room for storm shelter
  - Soil testing for expansive soils

## Mitigation Goals and Objectives

- Reduce or avoid long-term vulnerabilities

# PDMP contents, page 3

## □ Mitigation Strategy

- 119 strategies identified for all hazard types
- Collaboration with other jurisdictions
- Mitigation Action Sliding Scale (MASS)
  - Developed in lieu of FEMA SCALEE (6 factors)
  - MASS: 13 factors, each with a numerical value.
  - Will provide an accurate, objective process to allocate planning funds possible for an academic institution.

# PDMP contents, page 4

## □ Plan Maintenance Process

- Five year cycle for plan once approved
- Monitor, evaluate and update PDMP
- Maintain public involvement
- Incorporate PDMP into existing planning mechanisms
- Resubmission procedures for 2014

# Natural Hazards Considered

Dam Failure

Earthquake

Energy Disruption\*

Expansive Soil

Extreme Heat

Flooding – River and  
Flash

Grass / Timber / Wildfire

Hailstorm

Landslide / Erosion

Severe Winter Storm

Sinkhole

Structural Failure\*

Structural Fire\*

Thunderstorm and  
Lightening

Tornado or Windstorm

# Flood June 2008



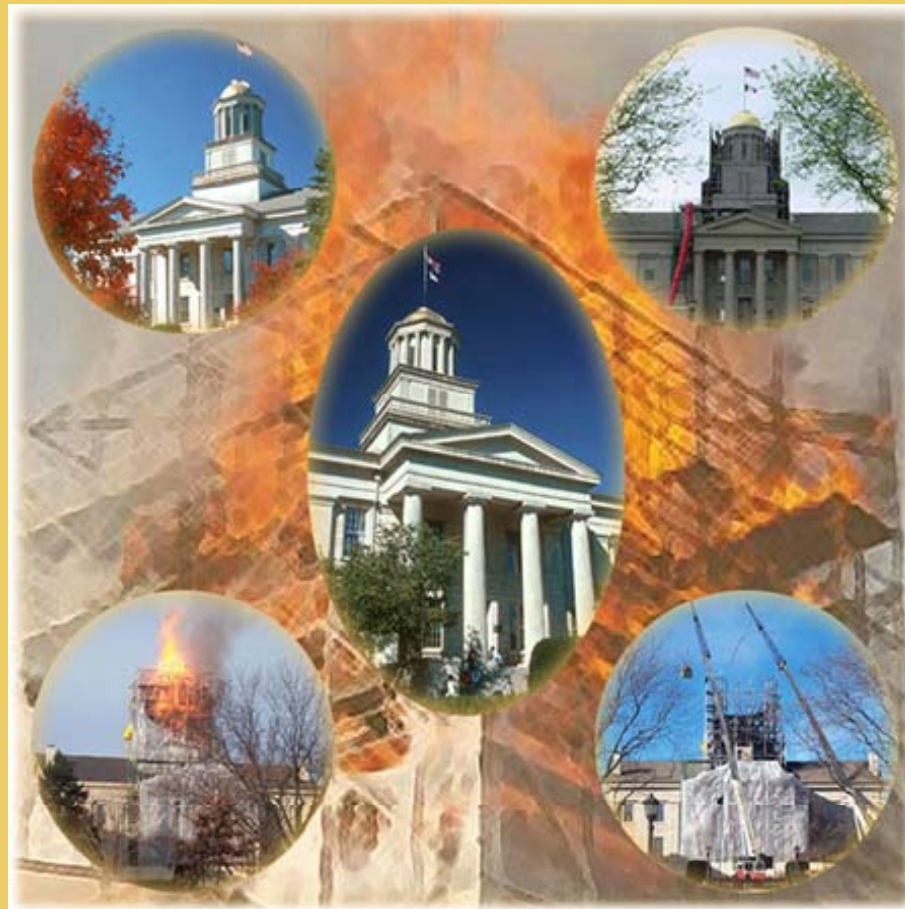
# Severe Winter Storm, Ice Storm: December 2007



# Sinkhole, July 2008



# Structural Fire November 2001



# Tornado: April 2006



# Mitigation Goals and Objectives

## Goals and Objectives

- Protect lives and reduce injuries.
- Coordinate internal and external planning mechanisms.
- Coordinate with other agencies.
- Enhance UI resiliency.

# PDMP Review and Approval Process

- PDMP will be presented for formal adoption by The University of Iowa.
- PDMP will be submitted to the State Hazard Mitigation Officer (SHMO) for initial review and coordination.
- SHMO routes the PDMP to the appropriate FEMA Regional Office for formal review and approval.
- Regional review is approximately 45 days

# PDMP Maintenance Process

## Monitor, Evaluate and Update

- Department of Risk Management will coordinate maintenance.
- PDMP will be reviewed no less than annually.
- Supplemental reports will be generated when changes to the PDMP are made.
- Website is established, no access restrictions.
- Yearly reminders sent to other planning groups on and off campus.

# Summary of Planning Efforts

University of Iowa disaster, emergency and mitigation plans include:

1. Critical Incident Management Plan (CIMP)
2. Flood Emergency Response Plan (FERP)
3. Pandemic Influenza Response Plan
4. Pre-Disaster Mitigation Plan (PDMP)

# Contact Information

To view the draft University of Iowa Pre-Disaster Mitigation Plan, visit:

<http://www.uiowa.edu/~fusrm/>

Comments, questions and general feedback can be sent to:

[elizabeth-hosmanek@uiowa.edu](mailto:elizabeth-hosmanek@uiowa.edu)

# Resources

- City of Iowa City. Hazard Mitigation Plan. Prepared by ECICOG. Pending 2009. <http://www.icgov.org/>
- City of Coralville. <http://www.coralville.org/>
- Community of Ames. Hazard Mitigation Plan. July 2007.
- FEMA. Hazard Mitigation Assistance Guidance. <http://www.fema.gov/library/viewRecord.do?id=3649>
- Iowa Homeland Security and Emergency Management. HMGP 2008. <http://www.iowahomelandsecurity.org/Home/2008Disaster/HazardMitigation2008/tabid/191/Default.aspx>
- University of Iowa. Critical Incident Management Plan. <http://www.uiowa.edu/~pubsfty/cimp.pdf>
- University of Iowa. Digital Library. <http://digital.lib.uiowa.edu/>
- University of Iowa. Flood Emergency Response Plan.
- University of Iowa. Pre-Disaster Mitigation Plan. <http://www.uiowa.edu/~fusrm/>
- University of Iowa. University News Service. <http://www.uiowa.edu/~ournews/index.html>