



CHITTENDEN
COUNTY
RPC

Communities Planning Together

Hazard Mitigation in Chittenden County

CCRPC Board Presentation

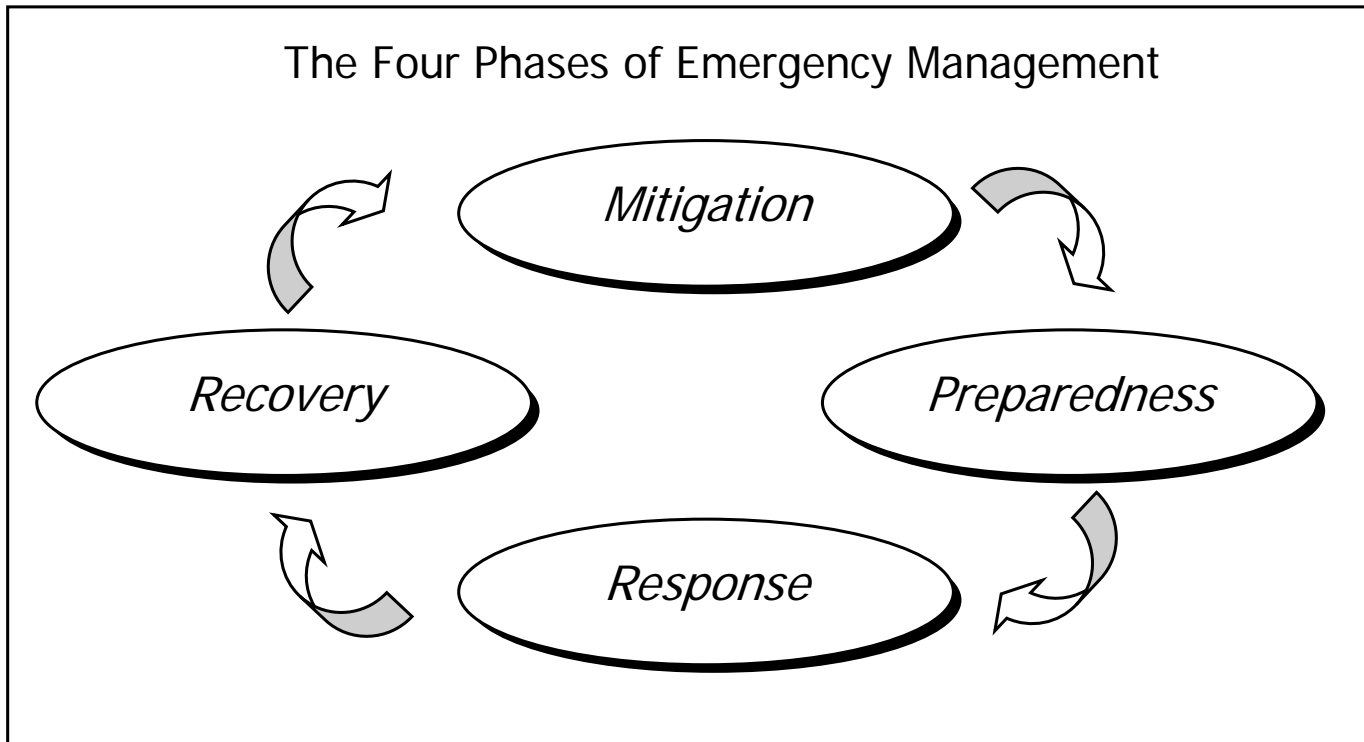
January 20, 2016

Dan Albrecht, Senior Planner

Objectives

- Mitigation and its role in Emergency Management
- Mitigation via Projects, Plans and Policies
- Chittenden County Multi-Jurisdictional All-Hazards Mitigation Plan
 - UPWP Task 3.1.6
 - Hazards, Risks, Vulnerabilities, Strategies
- Next steps

Emergency Management Cycle



Definitions

- **Mitigation**: any sustained action that reduces or eliminates long-term risk to people and property from natural and human-caused hazards and their effects
- **Hazard mitigation planning**: the process that analyzes a community's risk from natural hazards, coordinates available resources, and implements actions to reduce risks.

Typical VT Mitigation Projects



Regulations & Plans: mitigation by another name

- Town Plans; Open Space Plans; Basin Plans
 - Broad Goals
- Zoning Bylaws
 - Districts
 - Types of Development
 - Level of Review

UPWP Task 3.1.6

- County All Hazards Plan with Local All Hazard Mitigation Plans as Annexes
- First version, 2005
- Current version, approved August 2011
- Benefits
 - Pre-requisite for Hazard Mitigation grants
 - Pre-requisite to obtain 12.5% from State for disaster repairs under ERAF

Elements of an All Hazard Mitigation Plan

- Hazards identification
- Risk assessment
- Vulnerability analysis
- Mitigation strategies

Natural Hazards:

Winter Storm (45), Severe Thunderstorm (45), Flooding (32), Extreme Temperatures (32), Fluvial Erosion (24), Wildfire (6)

Technological Hazards:

Hazardous Material Incident (28), Water Pollution (28), Power Loss (28), Multi-Structure Fire (24), Invasive Species (24), Major Transportation Incident (24), Sewer Service Loss (20), Water Supply Loss (20), Natural Gas Service Loss (15), Telecommunications Failure (15), Other Fuel Service Loss (4)

Societal Hazards:

Economic Recession (28), Terrorism (27), Crime (24), Epidemic (24), Civil Disturbance (20), Key Employer Loss (16)

Strategies

At municipal level:

Upgrade infrastructure at known problem culverts/bridges

Upgrade infrastructure at known problem portions of road vulnerable to washouts

Explore regulatory options to address erosion concerns in River Corridor

At regional level, RPC can assist municipalities with

Flood Resiliency planning;

Improved water-related bylaws

Organizing data to assure projects address transportation, hazard mitigation and environmental needs concurrently.

Inventory for Municipal Roads General Permit

Conceptual design & cost estimates for new, resilient infrastructure

Next Steps

- Send draft County plan and municipal examples to FEMA
- Incorporate FEMA-desired edits
- Municipalities adopt Plan
- Add Hazard Mitigation into TIP
Transportation Project Prioritization process

Questions?