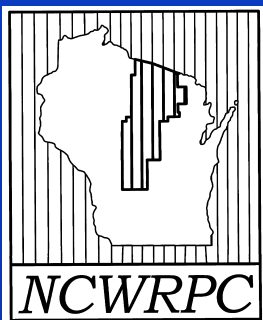




ONEIDA COUNTY ALL HAZARD MITIGATION PLAN UPDATE OVERVIEW

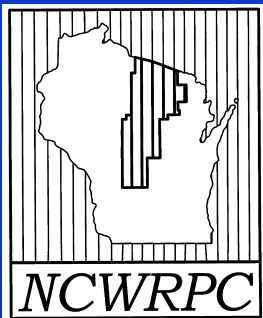


Darryl L. Landeau, AICP – Senior Planner
North Central WI Regional Planning Commission

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Past Work of NCWRPC in Emergency Management Planning

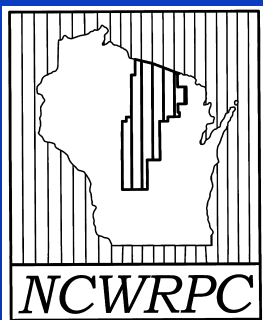
- Flood Recovery Coordinator 1993 – 1996
 - Flood Recovery Plan 1994
 - 1994-95 OEDP (CEDDS) 1994
 - Strategies For Flood Damage Reduction...Town of Necedah July 1995
 - Long Range Flood Water Management Strategy for Adams County 1996
- Options for Ambulance Service - Wausau Area 1994
- Mitigation Planning Guide (2003)



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Current Work of NCWRPC related to Emergency Management Planning

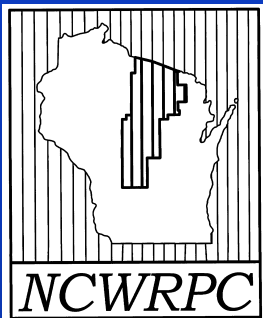
- E911 Database Development & Address Coding.
- Emergency Management Zone Mapping / Atlas Development.
- North East WI Public Safety Communication Project (NEWCOM)
- Long Term Power Outage Table Top Exercise Program.
- Regional Interoperability Coordinator Program.



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NCWRPC MITIGATION PLANNING

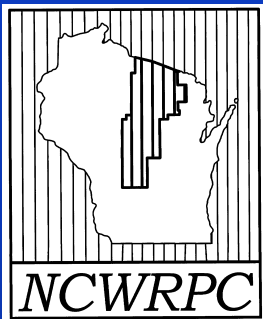
- Adams County All Hazard Mitigation Plan
 - 1st Multi-jurisdictional Plan Approved by State (Model)
 - 2009 Update (FEMA Approval Pending)
- Lincoln County Plan (Update Scheduled)
- Assisted in Original Oneida Co. Plan
- Langlade County Plan
- Forest County Plan
- Ho-Chunk Tribal Nation Plan



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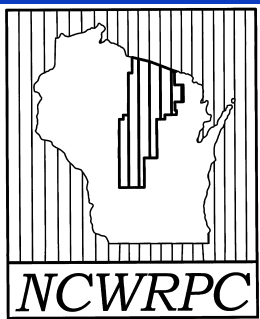
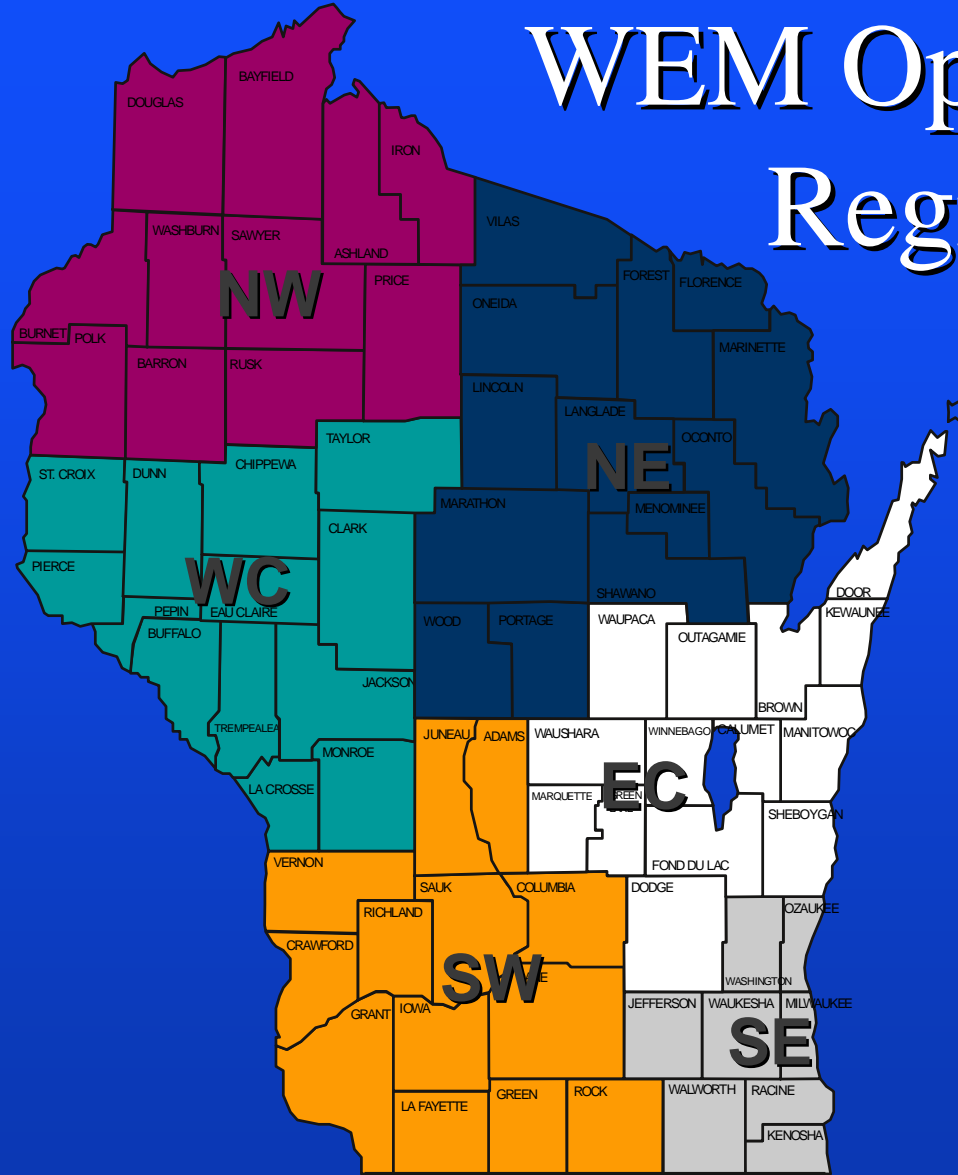
Emergency Management System

- FEMA National, Washington, DC
- FEMA Region V, Chicago
- Wisconsin Emergency Management, Madison
- WEM (6) Regional Offices
- County Emergency Government Offices



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WEM Operational Regions

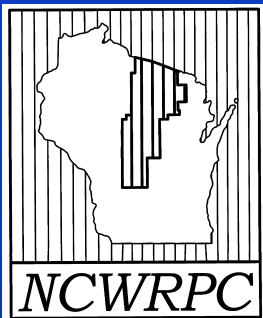


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WEM Mission Statement

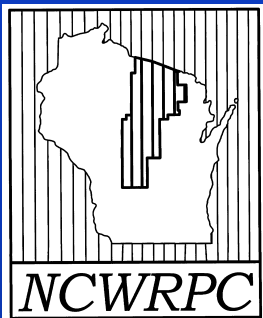


To utilize effective planning, training, and coordination to continually develop the mitigation, preparedness, response, and recovery capabilities of the State and its subdivisions for emergencies resulting from all hazards



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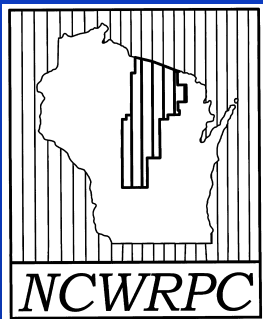
Phases of Emergency Management



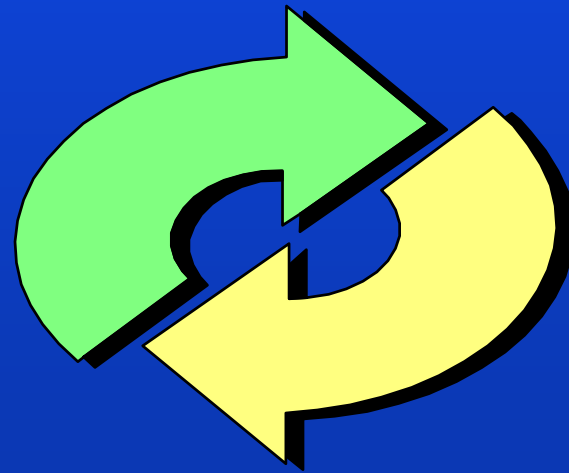
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Preparedness

- Minimize disaster damage
- Enhance disaster response
- Prepare organizations and individuals to respond

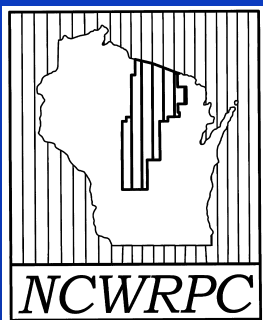
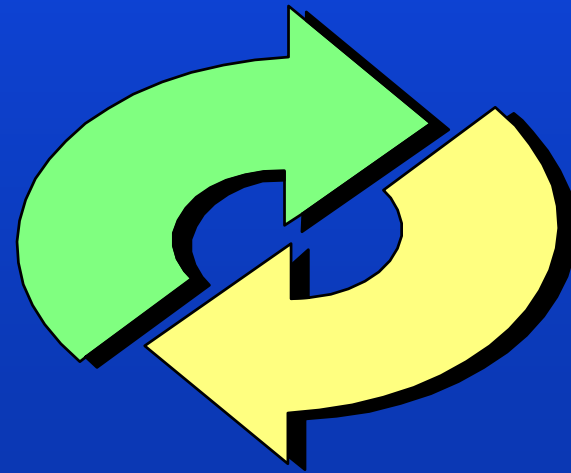


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Response

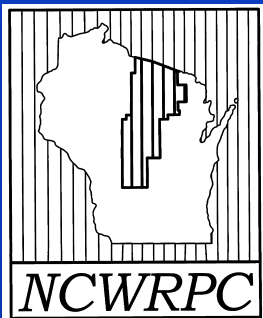
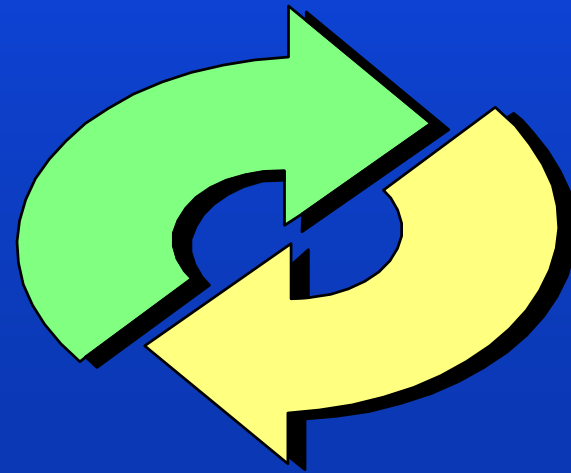
- Provide emergency assistance
- Reduce the probability of additional injuries or damage
- Speed recovery operations



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Recovery

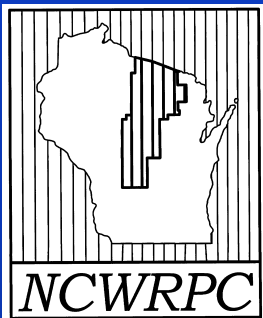
- Return systems to normal levels
- Short-term vs long-term



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Mitigation

- Any action taken to eliminate or reduce the long-term risk to human life and property from natural and technological hazards. – *Wisconsin Emergency Management (WEM)*



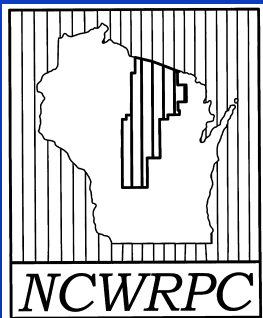
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Mitigation



- Is one of the 4 phase of emergency management
- Occur before, during, or after the emergency or disaster in all phases of emergency management
- Is the only phase that can break the “cycle”

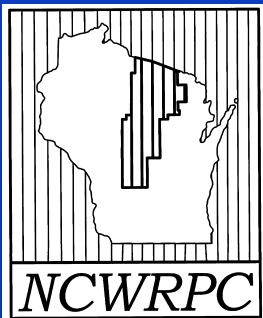


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Benefits of Mitigation

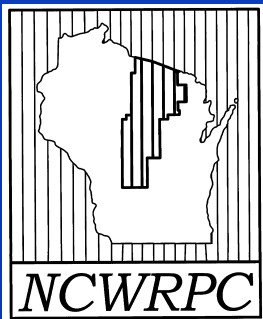


- Protect the health/safety of citizens
- Protect Property and Infrastructure
- Preserve or expand tax base
- Attract or retain business/industry
- Revitalize a depressed area
- Enhance recreation and tourism
- Increase community pride & improve quality of life
- Save tax dollars



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For every **dollar spent** on mitigation, **\$2 to \$3 is saved** in future damages (WEM)

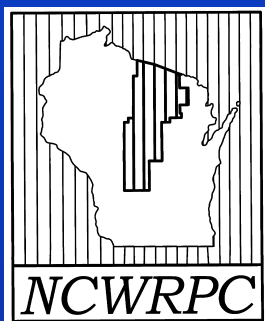


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THE STAFFORD ACT

- “Disaster Mitigation of 2000” – DMA2K
- P.L. 106-390 signed into law 10/30/00
- Purpose to establish a national disaster hazard mitigation program
- Must have plan to be eligible for :
 - Pre-Disaster Mitigation Grant Program
 - Flood Mitigation Assistance Program
 - Hazard Mitigation Grant Program

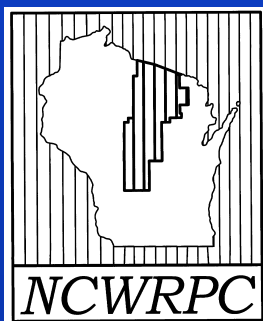


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DMA2K - Pre-Disaster Mitigation Program

- Implement cost-effective pre-disaster hazard mitigation measures
- Public-private partnerships
- Improve hazard assessment and vulnerability
- All-Hazard Mitigation Plan with priorities

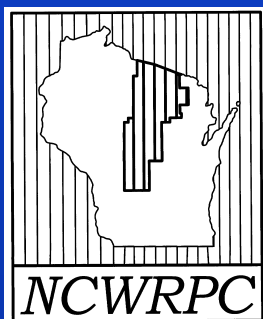


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DMA2K – Mitigation Planning

- Increase HMGP from 15% to 20% provided the State has an approved “enhanced” Mitigation Plan
- Authorizes up to 7% of HMGP funds for development of mitigation plans
- Establishes a requirement for local and tribal all-hazard mitigation plans

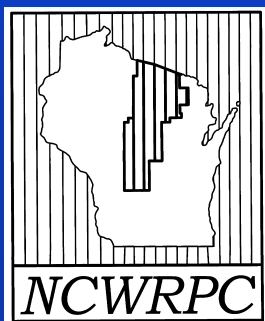


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DMA2K Vision

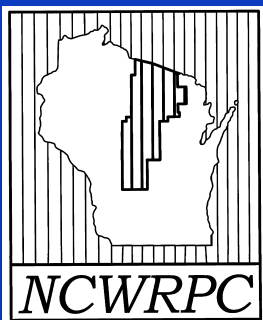
- Significant opportunity to reduce disaster losses thru pre-disaster mitigation planning
- Streamline recovery process thru planned, pre-identified, cost-effective mitigation
- Link pre- and post-disaster mitigation planning & initiatives with public/private interests for a comprehensive approach to loss reduction



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So why does Oneida Co. need this?

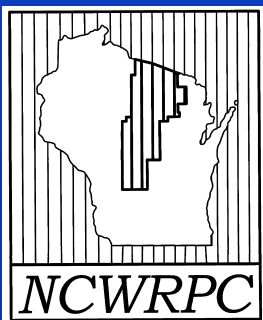
- Protect health and safety of residents from the impacts of hazards
- Prevent or reduce damages caused by hazards
- Disaster Mitigation Act of 2000 - To become eligible for certain FEMA grants
- State/Federal aid is insufficient



ONEIDA COUNTY DISASTERS



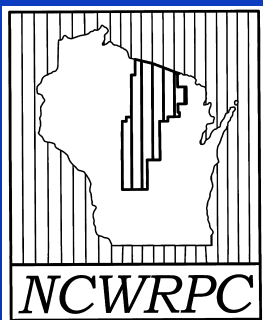
- July '08 Strong Wind – 70 mph winds in Minocqua/Woodruff/Hazelhurst area down large # of trees/power lines – 1000's lose power – roads blocked, homes damaged
- July '04 Tornadoes – Several weak tornadoes in Cassian area downed trees & powers lines and caused misc. damages.
- June '02 Lightning – Injured 2 boys at a Scout camp on Crystal Lake
- July '00 Flooding – Disaster Declaration



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Local Mitigation Planning

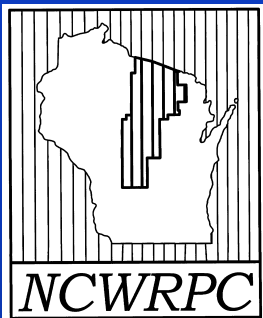
- Describe actions to mitigate hazards, risks and vulnerabilities
- Establish strategy to implement those actions
- Pre-identification of projects to ensure comprehensive, integrated approach to hazard reduction



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Local Mitigation Planning – Cont'd

- Attempts to eliminate separate planning requirements for all FEMA Mitigation Programs (HMGP, FMA, PDM, CRS)
- Condition of receiving HMGP and PDM funding
- Has to be updated and pre-approved every five years



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Local Mitigation Planning – Cont'd

- Follow Resource Guide – Simplify as Appropriate

April 2013

WISCONSIN COMMISSION ON EMERGENCY MANAGEMENT

3140 Highway 10
P.O. Box 1000
Madison, WI 53707
608-262-9222

Resource Guide to All Hazards Mitigation Planning in Wisconsin

A Guide and Model for Preparing a Local Government and Tribal Organization All Hazards Mitigation Plan

Prepared by the Association of Wisconsin Regional Planning Commissions through funding provided by the State of Wisconsin Department of Military Affairs, Wisconsin Emergency Management and the Federal Emergency Management Agency

Resource Guide Purpose

This Resource Guide was developed in conjunction with the passage of the Wisconsin Mitigation and All Hazards (EMAP) Act. This Act put a statutory priority on local government mitigation planning and the preparation of a plan, local and state government all hazards mitigation plans in order to be eligible for Federal Emergency Management Agency (FEMA) mitigation grant programs. This Guide's purpose is to provide an All Hazards Mitigation Planning process to assist local government and tribal organizations in completing all hazards mitigation plans and to assist in the funding process as well.

All Hazards Mitigation Planning

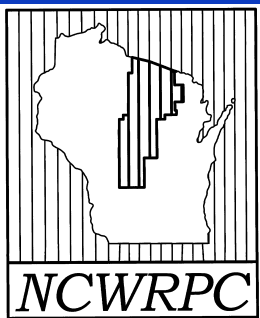
All hazards mitigation planning is the process of developing a set of actions designed to reduce or eliminate long-term risk to people and property from natural and man-made hazards. It is a process that involves the identification and assessment of hazards, the evaluation of risks, and the development of strategies to reduce or eliminate risks. It is a process that involves the identification and assessment of hazards, the evaluation of risks, and the development of strategies to reduce or eliminate risks.

Wisconsin State Key

The State of Wisconsin has a long history of providing leadership in emergency management. The State's commitment to public safety and disaster preparedness is reflected in its policies and programs. The State's commitment to public safety and disaster preparedness is reflected in its policies and programs.

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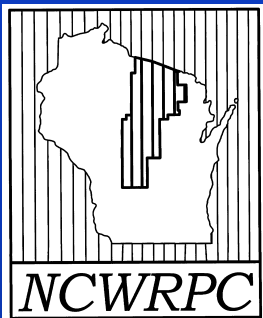


- NCDC Website Key - www.ncdc.noaa.gov

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Multi-jurisdictional Approach

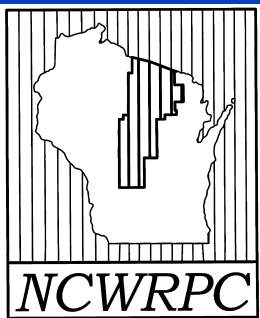
- Process requires involvement / input
 - County
 - City
 - Towns
 - Local agencies and interest groups
 - Federal / State / Tribal Officials



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Local Planning Elements

- Planning Process
- Planning Area
- Risk Assessment
- Mitigation Strategy
- Plan Maintenance Process & Adoption

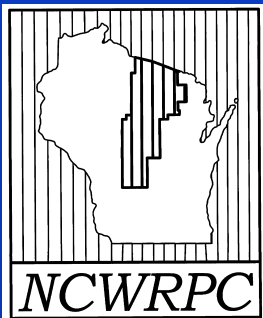


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Planning Process

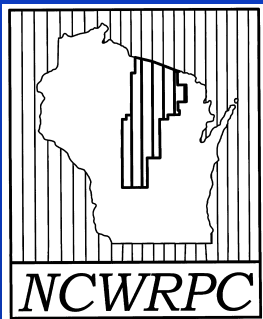
- Documentation of planning process
 - Taskforce involvement
 - Local government involvement
 - Neighboring community involvement
 - Local & Regional Agency involvement
 - Public review
 - Existing Technical data, etc. incorporated



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Public Participation

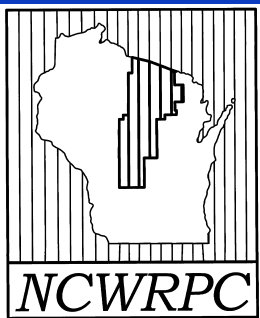
- Public Informational Meeting
- Public Hearing
- Copies Available
 - Internet
 - Libraries
 - Courthouse
- County Board Adoption





Planning Area (Inventory and Trends)

- Demographic & Economic Profile
- Geography
- Land Use
 - Development Patterns
 - Community Facilities
 - Utilities

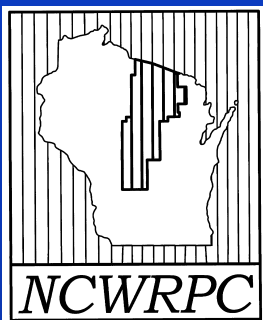




Risk Assessment



- Type, location and extent of natural hazards
- Past hazard events
- Probability of future events
- Type and number of existing and future buildings and infrastructure at risk for each hazard
- Potential impacts on residents and economy
- Potential dollar losses on vulnerable structures
- Land uses and development trends

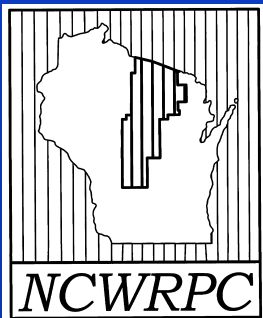


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Identify the Hazards



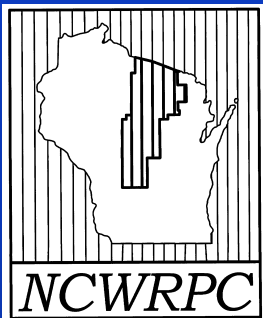
- Flooding
- Dam Failure
- Hail/Lightning
- High Winds
- Tornadoes
- Winter Storms
- Extreme Heat/Cold
- Forest Fires
- Wildland Fires
- Drought
- Fog
- Insect Infestation
- Earthquake
- Land Slide ?
- Subsidence ?



Identify What is at Risk

■ Critical Facilities

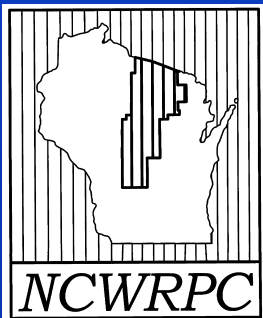
- Police, Fire, EMS
- Schools
- Public Buildings
- Hospitals and Nursing Homes
- Day Care Centers and Senior Centers
- Railroads and Airports



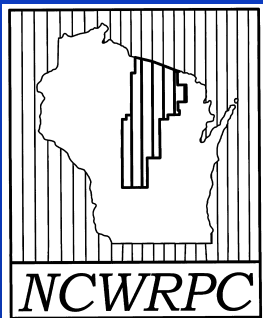
- Pipelines
- Power Plants
- Hazardous Materials Sites

■ Utilities

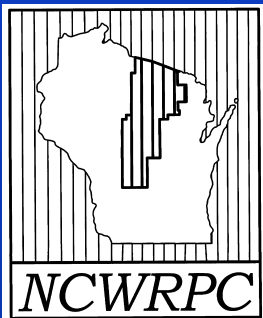
- Water
- Sewer
- Electrical
- Phone



- Infrastructure (streets, bridges, storm sewers, etc.)
- Population
- Building Stock
 - Residential
 - Public
 - Commercial



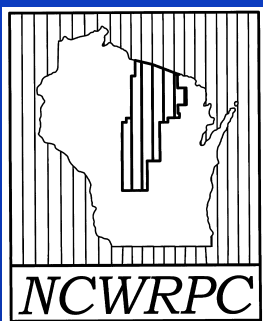
- Parks and Open Space
- Agricultural Lands



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Vulnerability

- Based on what is at risk, identify the potential for damages from each hazard
- Looking at past history and frequency of the hazards

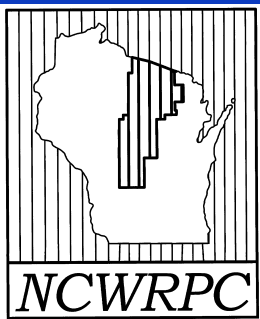


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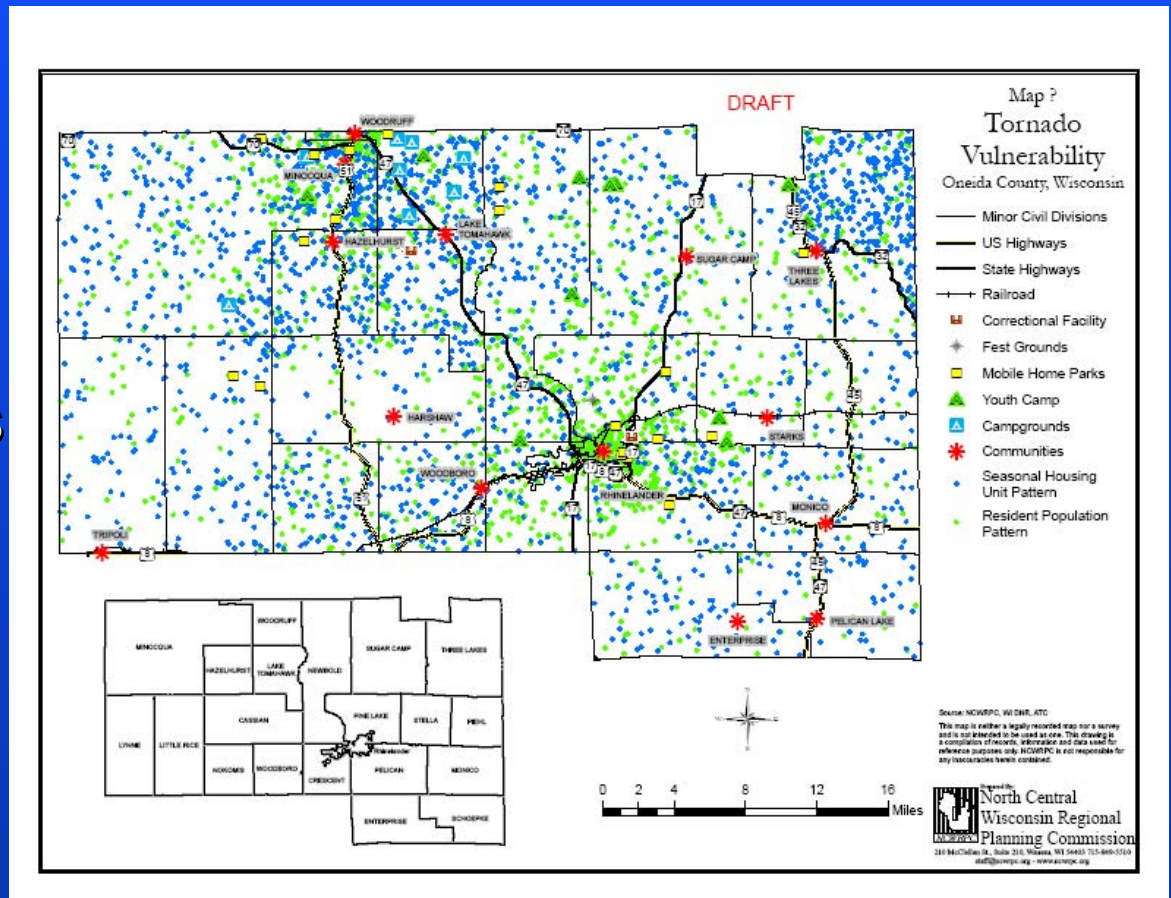
Assessment Example

■ Tornado Vulnerability

- Pop. Concentration
- Mobile Home Parks
- Campgrounds

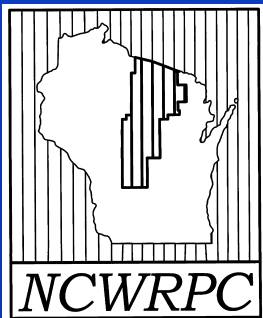


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Risk Assessment Examples –Cont'd

Table 14 Improvement Values for Structures in Floodplains			
Municipality	# of Structures	Average Value	Total Value
Cassian	98	\$106,388	\$10,426,024
Crescent	16	\$120,052	\$1,920,832
Enterprise	54	\$100,093	\$5,405,022
Hazelhurst	27	\$126,096	\$3,404,592
Lake Tomahawk	63	\$104,266	\$6,568,758
Little Rice	96	\$83,921	\$8,056,416
Lynne	56	\$40,584	\$2,272,704
Minocqua	599	\$144,383	\$86,485,417
Monico	8	\$58,459	\$467,672
Newbold	278	\$115,195	\$32,024,210
Nokomis	158	\$111,066	\$17,548,428
Pelican	78	\$93,012	\$7,254,936
Piehl	14	\$63,799	\$893,186
Pine Lake	184	\$119,607	\$22,007,688
Schoepke	159	\$71,951	\$11,440,209
Stella	59	\$103,613	\$6,113,167
Sugar Camp	172	\$99,318	\$17,082,696
Three Lakes	409	\$100,123	\$40,950,307
Woodboro	82	\$108,242	\$8,875,844
Woodruff	162	\$119,075	\$19,290,150
Rhineland	61	\$81,477	\$4,970,097
Oneida County	2,833	\$110,645	\$313,458,355

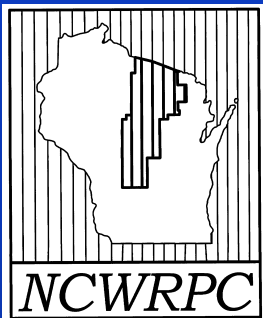


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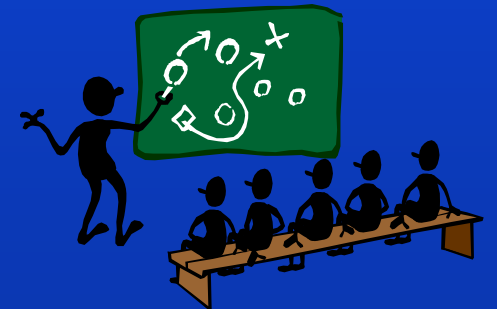


Mitigation Strategy

- Mitigation goals and objectives
- Strategies, programs and actions to reduce or avoid vulnerabilities to hazards
- Prioritize specific cost effective mitigation projects and actions
- Compliance with NFIP
- Implementation of the plan



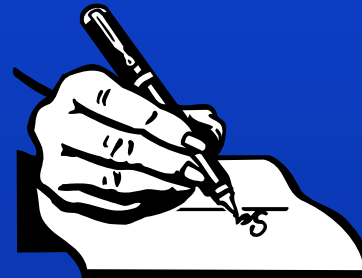
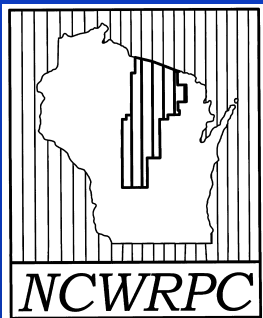
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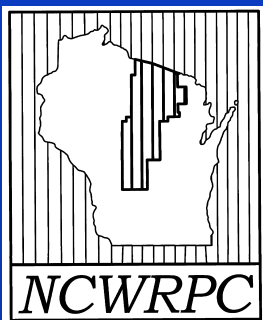
Plan Maintenance

- Monitoring, evaluating, updating the plan 5-year cycle
- Continued public involvement
- Incorporate into other planning mechanisms such as comprehensive plans
- Formal adoption



So, where do you all fit in?

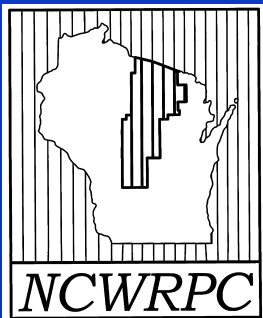
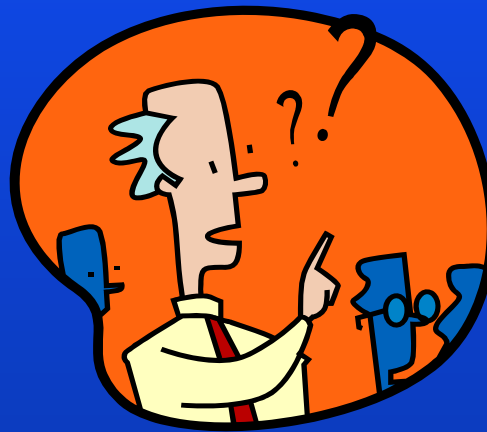
- Required Opportunity for Agencies & other Interest Groups to Participate in Plan Development
- Information and Update on County Program
- Provide county or local level project ideas



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Questions?

- dlandeau@ncwrpc.org



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