

**MOLE LAKE SOKAOGON  
ALL HAZARD MITIGATION PLAN  
UPDATE**




**PLANNING COMMITTEE KICK-OFF  
MEETING**  
May 3, 2022

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 (CEDS) 1994
  - Strategies For Flood Damage Reduction...Town of Necedah July 1995
  - Long Range Flood Water Management Strategy for Adams County 1996
- Mitigation Planning Guide (2003)
- Community Economic Recovery Guidebook (2011)




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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).
- Wisconsin Hazard Assessment and Mapping (WHAM) Program.
- Regional Coordinator Statewide Communications Interoperability Plan.




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NCWRPC Mitigation Planning

- Adams County All Hazard Mitigation Plan
  - 1st Multi-jurisdictional Plan Approved by State (Model)
  - 2009, 2015 and 2020 Updates
- Forest County Plan & Updates (2)
- Langlade County Plan & Updates (2)
- Lincoln County Plan & Updates (2)
- Oneida County Updates (2)
- Vilas County Plan & Update
- Juneau & Marathon County Plan Updates
- Ho-Chunk & Mole Lake Tribal Plans





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Emergency Management System

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






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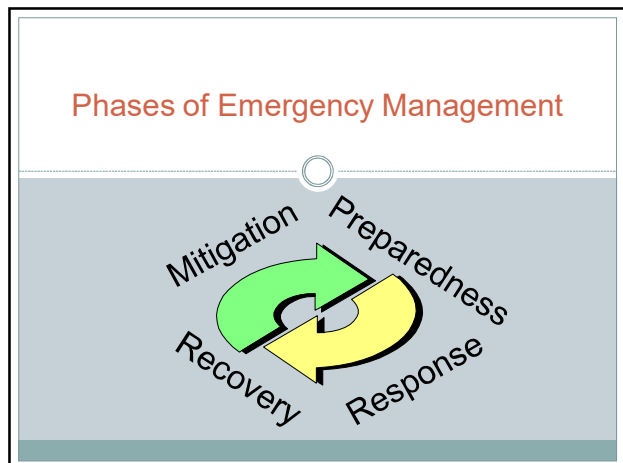
WEM Mission Statement

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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### 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, **\$7 is saved** in future damages (WEM)





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### THE STAFFORD ACT

- “Disaster Mitigation of 2000” – DMA2K
- Disaster Recovery Reform Act – amended DMA2K in 2018
- Purpose to establish a national disaster hazard mitigation program
- Must have plan to be eligible for :
  - Building Resilient Infrastructure and Communities (BRIC) (replaces PDM)
  - 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
- Required local All-Hazard Mitigation Plan





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### DMA2K – Mitigation Planning

- Establishes a requirement for local and tribal all-hazard mitigation plans
- Authorizes funds for development of mitigation plans
- Increases mitigation grant funding for states with an approved “enhanced” Mitigation Plan





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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 Mole Lake 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 Maintain eligibility for certain FEMA grants
- State/Federal aid is insufficient






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### AREA DISASTER EXAMPLES

- In 2000 Severe Storms / Flooding resulted in a Presidential Disaster Declaration for southern Forest County.
- June 2010 Thunderstorm Winds knocked down miles of power line and many trees blocking roads and damaging homes in southern half of Forest County (Mole Lake / Nashville) - Qualified for State Disaster Fund.
- April 2011 2-Tornados: Armstrong Creek and Argonne caused \$250,000 in damage.
- February 2019 Blizzard Conditions: heavy snow, freezing rain & high winds – whiteout, tree damage, power outages across area w/ 2-day snow totals at 15.9 inches (near Argonne).






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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, BRIC, CRS)
- Condition of receiving HMGP and BRIC funding
- Has to be updated and re-approved every five years

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### Local Mitigation Planning – Cont'd

- Follow Resource Guide
  - Simplify as Appropriate



- NCDC Website Key - [www.ncei.noaa.gov](http://www.ncei.noaa.gov)





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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**
  - Oversight Committee involvement
  - Tribal Government involvement
  - Neighboring Community involvement
  - Local & Regional Agency involvement
  - Public review
  - Existing technical data, etc. incorporated






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### Planning Process – Cont'd

- **Public Participation**
  - Public Informational Meeting(s)
  - Copies Available
    - ✦ Internet
    - ✦ Tribal Offices
    - ✦ NCWRPC
  - Tribal Council Adoption

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### Planning Area

- **Planning Area (Inventory & Trends)**
  - Demographic & Economic Profile
  - Geography
  - Land Use
    - ✦ Development Patterns
    - ✦ Community Facilities
    - ✦ Utilities








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### Risk Assessment

- **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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### Risk Assessment – Cont'd: Identify the Hazards

<ul style="list-style-type: none"> <li>• Flooding</li> <li>• Dam Failure</li> <li>• Hail/Lightning</li> <li>• High Winds</li> <li>• Tornadoes</li> <li>• Winter Storms</li> <li>• Extreme Heat/Cold</li> </ul>	<ul style="list-style-type: none"> <li>• Forest Fires</li> <li>• Wildland Fires</li> <li>• Drought</li> <li>• Pandemic</li> <li>• Other ?</li> </ul>
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### Risk Assessment – Cont'd: ID What is at Risk

<ul style="list-style-type: none"> <li>• Public Buildings</li> <li>• Medical Facilities</li> <li>• Schools</li> <li>• Day Cares/Senior Centers</li> <li>• Transportation Facilities</li> <li>• Pipelines</li> <li>• Haz Mat Sites</li> <li>• Other Infrastructure</li> </ul>	<ul style="list-style-type: none"> <li>• Utilities                     <ul style="list-style-type: none"> <li>○ Water &amp; Sewer</li> <li>○ Electrical</li> <li>○ Phone</li> </ul> </li> <li>• Population</li> <li>• Building Stock                     <ul style="list-style-type: none"> <li>○ Residential</li> <li>○ Commercial</li> </ul> </li> <li>• Parks &amp; Open Space</li> <li>• Agricultural Lands</li> <li>• Historical &amp; Cultural Sites</li> </ul>
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### Risk Assessment – Cont'd: Vulnerability

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

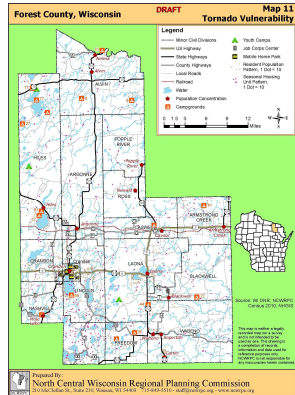




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### Risk Assessment – Cont'd: Example

- Tornado Vulnerability**
  - Pop. Concentrations
  - Mobile Home Parks
  - Campgrounds






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### Planning Process – Cont'd

- 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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### Planning Process – Cont'd

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

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### So, where do you all fit in?

- Role of Committee:**
  - Oversight of plan development
    - Provide consensus and priority on hazards and implementation strategies
  - Input : representing both your agency and the best interests of the Sokaogon Chippewa Community at Mole Lake as a whole






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### Questions?

- [dlandeau@ncwrpc.org](mailto:dlandeau@ncwrpc.org)

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