



## HAZARD MITIGATION STRATEGY

Identifying and analyzing the natural and technological hazards impacting Iron County has resulted in the formulation of actions that are intended to protect life and property. Utilizing planning committee and public input, a comprehensive list of mitigation goals and actions has been developed to assist the county in efforts reduce the effects of natural hazards. The mitigation strategies have been placed in priority order as identified in the Iron County Hazard Priority Matrix in **Tables 19-20** on pages 24-25.

### Mitigation Action Prioritization

The mitigation actions on pages 152-175 are prioritized based on the total risk associated with each of the identified hazards. This risk is quantified in the Iron County Hazard Priority Matrix in **Tables 19-20**. Using this approach, actions appearing earlier in the text are higher priorities than those appearing later.

Utilizing planning committee and public input, a comprehensive list of mitigation goals, objectives, and actions has been developed to assist the County in efforts reduce the effects of natural hazards. The mitigation strategies have been placed in priority order as identified in the **Hazard Priority Matrix**. As the mitigation strategies are further developed during the implementation process, a cost-benefit review will be undertaken to determine feasibility and cost-effectiveness. The Hazard Mitigation Planning Steering Committee identified and discussed all potential mitigation actions and narrowed down those actions that appeared to have the most impact and that appeared to be the most cost effective.

Criteria used to establish mitigation actions included,

- 1) The direct impact on saving lives and preventing property damage.
- 2) The immediate and long term impacts of each action.
- 3) The cost effectiveness of each action.



NATURAL HAZARDS		TECHNOLOGICAL HAZARDS	
Hazard	Priority Rank	Hazard	Priority Rank
Winter Storm	1	Hazardous Materials Incidents	1
High Winds	2	Energy Emergencies	2
Ice Storm	3	Structural Fires (Arson)	3
Flooding	4	Terrorism	4
Wildfire	5	Civil Disturbance	5
Lightning	6		
Extreme Temps	7		
Erosion	8		
Tornado	9		
Hail Storm	10		
Infectious Disease	11		
Dam Failure	12		
Caving/Subsidence	13		
Drought	14		
Forest Health (disease)	15		
Landslide	16		
Coastal Hazards	17		



## Hazard Mitigation Mission Statement and Goals

**Plan Update:** The plan's goals and objectives were re-evaluated by the 1012-2013 Hazard Mitigation Plan Update Committee and it was determined that these statements still address current and expected conditions.

### Mission Statement

“The mission of the Iron County Hazard Mitigation Plan is to establish sound public policy to protect life, property, and the quality of the natural environment; to reduce risk and prevent loss from future hazard events.”

### Goal Statements

#### Public Information, Communications and Education

Goal 1: “Inform and educate to all residents of the county concerning hazards and mitigation efforts”

Goal applies to: Winter Storm, Ice Storm, Flooding, Extreme Temps, Tornado, Dam Failure, Drought, Landslide, High Winds, Wildfire, Lightning, Hail Storm, Infectious Disease, Caving/Subsidence, Forest Health (disease), Coastal Hazards, Hazardous Materials Incidents, Energy Emergencies, Structural Fires (Arson), Terrorism, Civil Disturbance

#### Coordination and Collaboration

Goal 2: “Improved hazard mitigation through collaboration and coordination among citizens, public agencies and the private sector”

Goal applies to: Winter Storm, Ice Storm, Flooding, Extreme Temps, Tornado, Dam Failure, Drought, Landslide, High Winds, Wildfire, Lightning, Hail Storm, Infectious Disease, Caving/Subsidence, Forest Health (disease), Coastal Hazards, Hazardous Materials Incidents, Energy Emergencies, Structural Fires (Arson), Terrorism, Civil Disturbance



## Mitigation

Goal 3: “Implement activities to protect human life and reduce risk from hazards”

Goal applies to: Winter Storm, Ice Storm, Flooding, Extreme Temps, Tornado, Dam Failure, Drought, Landslide, High Winds, Wildfire, Lightning, Hail Storm, Infectious Disease, Caving/Subsidence, Forest Health (disease), Coastal Hazards, Hazardous Materials Incidents, Energy Emergencies, Structural Fires (Arson), Terrorism, Civil Disturbance



IRON COUNTY HAZARD MITIGATION PLAN

**GENERAL HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
1. Maintain and update the Iron County Hazard Mitigation Plan every 5 years [Updating the plan also requires updating the risk assessment every five years]	ALL	ALL	<\$1,000	General funds	Every 5 years	Emergency Government
<p><b>2006-2012 Progress:</b> HMP is being updated in accordance with this directive.  <b>2012 Status:</b> Active</p>						
2. Increase Public Education and Awareness of general hazard mitigation. Note: Iron County should apply for FEMA grant funds to assist in promoting public awareness.	ALL	ALL	<1,000 annually	FEMA Grant funds, General funds	Ongoing	Emergency Government, City of Montreal, City of Hurley
<p><b>2006-2012 Progress:</b> County has not applied for funding to implement this action; however, Emergency Management Department coordinated several educational and outreach activities during the planning period including tornado awareness activities, PSA's, winter storm preparedness activities, ICS education and fire awareness activities.  <b>2012 Status:</b> Active</p>						
3. Incorporate Hazard Mitigation Planning into existing and future Comprehensive Planning.	ALL	ALL	Part of plan costs.	WDOA Comp Planning Grants	Ongoing	Emergency Government, City of Montreal, City of Hurley
<p><b>2006-2012 Progress:</b> The Iron County Comprehensive Plan was not updated during the planning period. This directive will be implemented when the plan is amended in the future.  <b>2012 Status:</b> Active</p>						
4. Develop an early warning system.	ALL	City of Hurley	\$25,000	HMGP	ASAP	Mayor, City Council
<p><b>2006-2012 Progress:</b> Not completed. Lack of match funding and available grant programs.  <b>2012 Status:</b> Active. This remains a high priority for the City of Hurley. Apply for HMGP funding</p>						



**WINTER STORM/ICE STORM/EXTREME TEMPERATURES HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
5. Consider more restrictive snow load standards. Retrofit public buildings to withstand snow loads and prevent roof collapse.	Winter Storms	Towns	<\$5,000	General funds	By 2017	Zoning, Emergency Government
<p><i>Comment: Iron County is located in Ground Snow Load Zone 1, which establishes a ground snow load of 60Psf. The ground snow load is the same for all of Iron County, even though the snowbelt receives significantly more annual snowfall.</i></p>						
<p><b>2006-2012 Progress:</b> Not completed. County adopted a new Uniform Dwelling Code (UDC) ordinance in 2010, Implementation of the UDC ordinance is moving towards achieving this directive.  <b>2012 Status:</b> Active</p>						
6. Increase public awareness of severe winter storm mitigation activities. Assemble public education materials for protecting life and property from severe winter storm events. Distribute educational materials to residents and public and private sector organizations.	Winter Storm	Towns	<\$1,000	General funds	Ongoing	Emergency Government
		City of Montreal	\$500	Grant	Within 5 years	City government
<p><i>Comment: Hazard information could be disseminated using local newspaper articles, local radio and public service announcements and other public displays or exhibits.</i></p>						
<p><b>2006-2012 Progress:</b> Completed, ongoing. Emergency Management Department coordinated several educational and outreach activities during the planning period including winter storm preparedness activities in conjunction with Winter Weather Awareness Week; PSA's and ran articles in local news media advising citizens of preparedness actions.  <b>2012 Status:</b> Active, Ongoing</p>						



## IRON COUNTY HAZARD MITIGATION PLAN

## WINTER STORM/ICE STORM/EXTREME TEMPERATURES HAZARD MITIGATION STRATEGY

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
7. Continue to identify county resident and families with home weatherization needs (LMI) and seek funding assistance for repairs.	Winter Storm Extreme temperature	Towns	\$5,000/ annually	CDBG, HOME Program, Northwest Affordable Housing	Ongoing	Human Services
<p><b>2006-2012 Progress:</b> Partially completed. Iron County Human Services Department continues to work with Ashland Housing Authority and citizens to implement this directive.</p> <p><b>2012 Status:</b> Active, Ongoing</p>						
8. Identify and promote awareness of community shelters. These facilities would provide temporary refuge for the county's vulnerable population during periods of extreme cold or heat.	Winter Storm Extreme temperature	Towns	None	N/A	Ongoing	Human Services
<p><b>2006-2012 Progress:</b> Completed. Iron County Human Services Department set up a shelter in the Fall of 2011 during a 4-day power outage (Hurley-Mercer). A free shelter has also been established with Gogebic Community College (GCC) in Ironwood, MI. Additionally, work was undertaken to formalize coordination of community shelters with Gogebic County, MI. Human Services has also worked with local nursing homes to establish shelters-in-place. Local hospital (Grand View – Ironwood, MI.) also has 25 beds available for emergency purposes.</p> <p><b>2012 Status:</b> Active, Ongoing</p>						
9. Promote coordination between Police and Public Works to address hazardous roads following winter weather events.	Winter Storm, Ice Storm	City of Hurley	\$0	N/A	Implement ASAP, ongoing	Public Works, Police Dept.
<p><b>2006-2012 Progress:</b> Completed, ongoing. Coordination activities have worked well. Achievements include a dual employee (Public Works –Police) position created in the City of Hurley. Public Works and law enforcement are also coordinating on the development of an Interoperability Communications Plan.</p> <p><b>2012 Status:</b> Active, Ongoing</p>						
10. Improve public awareness of the dangers due to extreme temperatures and identify "safe areas" where elderly have access to air conditioning during extended periods of hot weather.	Extreme Temperature	City of Hurley	\$500	General Funds	Implement ASAP, ongoing	Mayor, City Council



**WINTER STORM/ICE STORM/EXTREME TEMPERATURES HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<p><b>2006-2012 Progress:</b> Completed, ongoing. Senior Center is available during period of excessively hot weather. Human Services Department has provided training to schools, provided information in PTO newsletters and in-service training to coaches.  <b>2012 Status:</b> Active, Ongoing</p>						
11. Create a "Severe Winter Storm Plan".	Winter Storms	City of Montreal	\$500	PDM Grant funds?	Within 5 years	City Council
		City of Hurley	\$500	General Funds	ASAP	Public Works, Mayor, City Council
<p><b>2006-2012 Progress:</b> No progress was made on this directive due to lack of staff and funding.  <b>2012 Status:</b> Deleted</p>						





**FLOODING/DAM FAILURE HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
12. Contact landowners of flood-vulnerable structures (as identified in flood hazard assessment) by mail to promote awareness of flood-proofing information provided by county Zoning Department.	Flooding Dam Failure	Towns	<\$500	General funds	2015	County Clerk
		City of Montreal	\$25	General funds	1 year	Zoning
		City of Hurley	\$50	General funds	By 6/30/08	Zoning Office
<p><b>2006-2012 Progress:</b> Not completed, deferred. In 2010, Iron County received digital pictometry which will allow for a more detailed examination of flood-vulnerable structures. This new imagery will also serve as the basis for the updated flood hazard risk assessment. Improved technology will allow the county to better isolate vulnerable structures and notify property owners.  <b>2012 Status:</b> Deferred, to be completed by 2015.</p>						
13. Ensure that existing wetlands are protected from development or filling	Flooding	Towns	<\$500	General funds	Ongoing	County Zoning
<p><b>2006-2012 Progress:</b> Completed, ongoing. County has implemented the requirements of its Shoreland-Wetland Zoning Ordinance. This ordinance is to be amended in 2012-2013, which will likely result in additional provisions to protect sensitive wetlands.  <b>2012 Status:</b> Active, ongoing.</p>						
14. Promote streambank stabilization	Flooding	Towns	<\$500	General funds	Ongoing	ABDI
<p><b>2006-2012 Progress:</b> Completed, ongoing. Iron County Land Conservation Department has implemented this action through departmental programming.  <b>2012 Status:</b> Active, ongoing.</p>						
15. Ensure that no new development is allowed in the floodplain.	Flooding	Towns	<\$1,000	General funds	Ongoing	County Zoning
<p><b>2006-2012 Progress:</b> Completed, ongoing. County has implemented the requirements of its Floodplain Zoning Ordinance.  <b>2012 Status:</b> Active, ongoing.</p>						



IRON COUNTY HAZARD MITIGATION PLAN

**FLOODING/DAM FAILURE HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<b>16.</b> Require the identification of lands subject to natural hazards as part of the subdivision review process.	Flooding Dam failure Wildfire Landslide Coastal	Towns	<\$1,000	General funds, WCMP grant	2013	UWEX, County Zoning
<p><i>Comment: This action will require applicants to identify and map known natural hazards and to demonstrate that their proposal will not be vulnerable to hazard impacts.</i></p>						
<p><b>2006-2012 Progress:</b> Partially completed. In 2010, Iron County amended countywide subdivision control ordinances to include provisions which permit the use of “conservation design” subdivisions. Natural hazard identification and analysis is required as part of the subdivision review (preliminary and final) process for all new conservation design subdivisions. Additional provisions will likely be added following completion of the Lake Superior Recession Rate Study, which will examine coastal hazards and recommend regulatory changes to address those hazards.  <b>2012 Status:</b> Active, ongoing. To be updated following completion of the Lake Superior Recession Rate Study in 2012-2013</p>						
<b>17.</b> Update and revise the Iron County Comprehensive Plan to incorporate the provisions and recommendations of the Hazard Mitigation Plan.	All	Towns	\$5,000	WCMP grant	2017	Emergency Government
<p><b>2006-2012 Progress:</b> The Iron County Comprehensive Plan was not updated during the planning period. This directive will be implemented when the plan is amended in the future.  <b>2012 Status:</b> Active, ongoing.</p>						
<b>18.</b> Remove toppled trees from the Montreal River between the Cities of Hurley WI and Ironwood, MI city limits. North to US HWY 2. Possible bank restoration in areas where tree stumps have been pulled from the bank.	Flooding	City of Hurley and Iron County	\$25,000	Combination of federal, state & local funding sources	Ongoing	Emergency Government
<p><b>2006-2012 Progress:</b> New action item  <b>2012 Status:</b> New action item.</p>						



**FLOODING/DAM FAILURE HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<b>19. Develop hydrologic data.</b> Flood information studies for major watersheds in rural Iron County have not been developed. The City of Hurley also lacks an FIS. The county and the city should work with the Corps of Engineers, Wisconsin Department of Emergency Management and FEMA to develop Flood Insurance Studies for the major county watersheds and the City of Hurley.	Flooding Dam Failure	Towns City of Hurley	\$50,000 to \$100,000	FEMA with support from County Zoning, Mapping, Other grants	Within 5 years	Emergency Government
<b>2006-2012 Progress:</b> No studies have been yet been developed. Due to department administrative changes work on accomplishing this directive was deferred. <b>2012 Status:</b> Active						
<b>20.</b> Continue to participate and remain in compliance with the National Flood Insurance Program (NFIP)	Flooding	All	Unknown	General Funds	Ongoing	Emergency Government
<b>2006-2012 Progress:</b> Completed, ongoing. Iron County continues to participate and remain in compliance with the NFIP. <b>2012 Status:</b> Active, ongoing.						
<b>21.</b> Develop a plan to re-route traffic should the STH 77 bridge be damaged by a flood	Flooding Dam Failure	City of Montreal	\$500	General Funds	Within 2 years	City
<b>2006-2012 Progress:</b> Not completed due to lack of staffing and funding source. The City continues to have ongoing discussions about this concern and wishes to keep the action item active with the hope that it can be completed within the next 2 years. <b>2012 Status:</b> Deferred, to be completed within 2 years (2015)						
<b>22.</b> Make information available to general public on preventative measures	Flooding Dam Failure	City of Montreal	\$200	General Funds	Within 2 years	City
<b>2006-2012 Progress:</b> Not completed due to lack of staffing and funding. <b>2012 Status:</b> Deleted.						



**SEVERE WEATHER HAZARD MITIGATION STRATEGY (Severe Storms, Tornado, Wind, Hail, Lightning)**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
23. Host a public education event during Severe Weather Awareness Week.	Severe Weather	Towns	\$250	General funds	2008	Emergency Government
		City of Montreal	\$500	Grant?	Within 5 years	Fire Department
		City of Hurley	\$500	Homeland Security \$	Within 5 years	Police, Public Works
<p><i>Comment: The event will be promoted through local newspaper articles, local radio and public service announcements and other public displays or exhibits. Invite representatives from the local office of the National Weather Service in Duluth.</i></p> <p><b>2006-2012 Progress:</b> Completed. Emergency Management Department coordinated several educational and outreach activities during the planning period including tornado awareness activities, PSA's, storm preparedness activities, ICS education and fire awareness activities. EM Department has also created public awareness displays at the senior meal center and courthouse.</p> <p><b>2012 Status:</b> Completed. Cities will continue to actively work with Iron County to promote joint public awareness, outreach and educational activities.</p>						
24. Improve early warning system in Iron County by providing NOAA weather radios to all critical facilities and to the general public, where possible.	All hazards	Towns	\$5,000 (\$25 unit x 200 units)	Identify Grant Programs	2017	Emergency Government
<p><i>Comment: NOAA Weather Radio continuously broadcasts NWS forecasts, warning and other critical weather information. NOAA Weather Radio also provides direct warning to the public for natural, man-made or technological hazards and is the primary trigger for activating the US Emergency Alert System (EAS) on commercial radio, TV and cable systems.</i></p> <p><b>2006-2012 Progress:</b> Not completed due to lack of funding. County is currently looking at various grant funding sources to cover the costs associated with implementing this directive.</p> <p><b>2012 Status:</b> Deferred, to be completed by 2017</p>						
25. Educate residents about mitigating wind damage through retrofitting	Severe Weather	Towns	\$0	N/A	2017	Emergency Government, Zoning
<p><b>2006-2012 Progress:</b> Partially completed, ongoing. New construction and new additions must be compliant with the county's recently adopted Uniform Dwelling Code, which includes basic standards for wind resistant construction.</p> <p><b>2012 Status:</b> Deferred, to be completed by 2017</p>						



## IRON COUNTY HAZARD MITIGATION PLAN

## SEVERE WEATHER HAZARD MITIGATION STRATEGY (Severe Storms, Tornado, Wind, Hail, Lightning)

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
26. Work with utility companies to improve right-of-way tree management and encourage the burying of utility lines, especially in high frequency outage areas.	Severe Weather, Energy Emergencies	Towns	\$0	N/A	Ongoing	Emergency Government
		City of Hurley	\$0	General Funds	Ongoing	Public Works
<p><b>2006-2012 Progress:</b> Completed, ongoing. Local utility companies have steeped-up efforts to maintain existing lines.  <b>2012 Status:</b> Active, ongoing</p>						
27. Require the construction of safe rooms in all public buildings	Severe Weather	Towns	<\$500	General funds	2010	Emergency Government, Zoning
<p><b>2006-2012 Progress:</b> Not completed because action was deemed not to be cost effective.  <b>2012 Status:</b> Deleted</p>						
28. Promote public awareness of hail-resistant building and construction practices including the use of structural bracing, window shutters, laminated glass in window panes, and hail-resistant roof shingles	Severe Weather	Towns	\$0	N/A	Ongoing	Zoning
<p><b>2006-2012 Progress:</b> Completed, ongoing. Impact-resistant building standards are required under the Uniform Dwelling Code.  <b>2012 Status:</b> Active, ongoing</p>						
29. Identify a source of back-up power for all critical facilities including schools, government facilities, medical facilities and emergency services (police, fire).	Severe Weather	Towns	<\$1,000, *Not including equipment purchase	General funds	2017	Emergency Management
<p><i>Comment: Portable power generators may be needed as a back-up power supply. If generators are needed, the county should pursue grant funding (via state and federal sources) to acquire necessary equipment.</i></p>						



## IRON COUNTY HAZARD MITIGATION PLAN

**SEVERE WEATHER HAZARD MITIGATION STRATEGY (Severe Storms, Tornado, Wind, Hail, Lightning)**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<p><b>2006-2012 Progress:</b> Partially complete. The Iron County Sheriff's Department has a back-up power source. In 2010, the phone system in the courthouse was connected to a back-up power supply. The newly-constructed Town of Sherman Community Center was equipped with a back-up power supply as were two (2) nursing homes within the county. Both the Hurley and Mercer schools are in the process of seeking back-up power for heating and cooling systems.</p> <p><b>2012 Status:</b> Active</p>						
30. Work aggressively to control and manage roadside brush and trees that could block roadways following a severe storm.	Severe Weather	Towns	\$0	N/A	Ongoing	Emergency Management, Highway Department
<p><b>2006-2012 Progress:</b> Completed, ongoing.</p> <p><b>2012 Status:</b> Active, ongoing</p>						
31. Collect more detailed information relative to hail storms & lightning and risks to the community.	Severe Weather	City of Montreal	\$500	General funds	Within 5 years	Fire Department
<p><b>2006-2012 Progress:</b> Not completed. Attempted, but lack of existing data was a major limiting factor.</p> <p><b>2012 Status:</b> Deleted.</p>						
32. Develop a "severe storm" response plan.	Severe Weather	City of Hurley	\$1500	Homeland Security Grant	ASAP	Police & Fire Depts.
<p><b>2006-2012 Progress:</b> Not completed. City elected to coordinate this activity with the development of an early warning system as described under action item # 4</p> <p><b>2012 Status:</b> Active</p>						

**DROUGHT HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
33. Adopt county-wide water conservation guidelines.	Drought	Towns	<\$1,000	General funds	2009	Emergency Government



**DROUGHT HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<p><i>Comment: Guidelines should encourage water conservation during non-drought periods as well as water conservation practices to be promoted during periods of drought. During drought periods, the county will promote water conservation benefits and techniques through local newspaper articles, local radio and public service announcements and other public displays or exhibits.</i></p>						
<p><b>2006-2012 Progress:</b> Not completed. Action was deemed a low-priority issue and there was a lack of funding to complete this activity.  <b>2012 Status:</b> Deleted</p>						
34. Develop a public information packet about water conservation	Drought	City of Montreal	\$200	Water & Sewer Dept. funds	Within 3 years	Public Works
		City of Hurley	\$200	General Funds	By 1-01-08	Public Works & Fire Dept.
<p><b>2006-2012 Progress:</b> Completed by the City of Hurley in 2012. Not completed for the City of Montreal due to a lack of staffing and funding.  <b>2012 Status:</b> Deferred, for the City of Montreal. The City will attempt to complete this action within the next 3 years (by 2016)</p>						



**LANDSLIDE/COASTAL HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<b>35. Address data limitations.</b> Cross-referencing existing soil data with slope information to produce a generalized ‘interim’ landslide risk model. Consult NRCS for technical assistance in interpretation of SSURGO soil data to identify vulnerable soils.	Landslide	Towns	<\$5,000	General funds	By 2013	Zoning, Emergency Government
<i>Comment: Once developed, this interim product should be used to identify vulnerable properties and to estimate potential future losses. This information should be incorporated in subsequent updates to the Iron County Hazard Mitigation Plan.</i>						
<p><b>2006-2012 Progress:</b> Completed. A coastal recession study, initiated in 2010 and funded by Wisconsin Coastal Management, was completed in 2012. The study analyzed bluff erosion along the south shore of Lake Superior in Iron County. The clayey soils and steep slopes along the lakeshore represent the highest-risk erosion and landslide hazard areas in Iron County.</p> <p><b>2012 Status:</b> Completed.</p>						
<b>36.</b> Consider adopting minimum zoning and coastal development standards and guidelines which consider landslides and coastal hazards.	Landslide, Coastal	Towns	<\$5,000	General funds	By 2013	Zoning, Emergency Government
<i>Comment: Examine the model zoning ordinance for reducing coastal hazard vulnerability identified in the Wisconsin Emergency Management Plan, if developed. This action should also consider long-term coastal recession rates (Action X).</i>						
<p><b>2006-2012 Progress:</b> In 2010, Iron County initiated an effort to institute land use planning development controls to protect coastal development from the impacts of shoreline recession. Project goals are to characterize and georeference shoreline change and erosion along the Lake Superior shoreline using historical aerial imagery and modern photogrammetric methods, determine the stable slope angle for reaches along the Iron County coastline and to identify appropriate setbacks for new buildings.</p> <p><b>2012 Status:</b> Active. Study and mapping will be completed by the end of 2012.</p>						
<b>37. Conduct an analysis of long-term coastal bluff recession rates.</b> A defensible bluff recession rate model would allow the county to implement appropriate setback regulations.	Coastal	Towns	\$50,000	Grant funding, WCMP, local funding	By 2013	Zoning





**LANDSLIDE/COASTAL HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<p><b>2006-2012 Progress:</b> In 2010, Iron County initiated an effort to institute land use planning development controls to protect coastal development from the impacts of shoreline recession. Project goals are to characterize and georeference shoreline change and erosion along the Lake Superior shoreline using historical aerial imagery and modern photogrammetric methods, determine the stable slope angle for reaches along the Iron County coastline and to identify appropriate setbacks for new buildings.</p> <p><b>2012 Status:</b> Completed</p>						
<p><b>38. Coordinate enforcement with flooding</b> (shoreland standards)</p>	Landslide	City of Montreal	\$500	Grant – Coastal Management?	Within 5 years	Zoning
<p>Flooding could potentially erode some areas of the Montreal River streambanks.</p>						
<p><b>2006-2012 Progress:</b> Partially completed. The City of Montreal does have a code enforcement officer who administers the city’s zoning and floodplain ordinance, however the city’s existing floodplain maps are antiquated and no dam failure study exists for the Gile Flowage. The City continues to inspect and verify ordinance compliance, but more detailed flood risk and downstream soil condition information is required.</p> <p><b>2012 Status:</b> Deferred. A GIS-based examination of downstream soil/slope conditions will be part of a broader effort to analyze the potential community impacts of dam failure on the Gile Flowage. If a failure study is developed during the planning period, this action will be completed by the city.</p>						



**WILDFIRE HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
39. Develop a county-wide Community Wildfire Protection Plan (CWPP)	Wildfire	Towns, Cities	\$40,000	Grant Funding Source, WDNR	2017	Emergency Government, Forestry, Zoning
<p><b>2006-2012 Progress:</b> Not completed. Most of Iron County is rated as “Not a Community-at-Risk” by the Wisconsin Department of Natural Resources (WDNR). The exception is the Town of Mercer, which was classified as a “Community of Concern”. WDNR funding priorities for CWPP’s are tied into the community risk status and agency priorities. At this time, CWPP funding is limited and highly competitive. The county would still like to pursue this directive, should an improved funding situation arise in the future.</p> <p><b>2012 Status:</b> Deferred. Targeted for completion by 2017</p>						
40. As part of local subdivision review/approval process, new or proposed subdivisions should be reviewed by the responding Fire Departments for comment.	Wildfire	Towns	\$0	N/A	2014	Zoning, Local fire departments
<p><b>2006-2012 Progress:</b> Partially completed, in progress. The Iron County Fire Association is currently working to establish review standards for local fire departments.</p> <p><b>2012 Status:</b> In progress, targeted for completion by 2014</p>						
41. Incorporate wildfire mitigation subdivision guidelines/ ordinances into local comprehensive planning efforts. Consider the use of regulatory tools such as wildfire mitigation overlay districts, traditional zoning and Firewise subdivision ordinances	Wildfire	Towns	<\$5,000	General funds	2017	Zoning, Emergency Government
<p><b>2006-2012 Progress:</b> The Iron County Comprehensive Plan was not updated during the planning period. This directive will be implemented when the plan is amended in the future.</p> <p><b>2012 Status:</b> Active</p>						



IRON COUNTY HAZARD MITIGATION PLAN

<b>WILDFIRE HAZARD MITIGATION STRATEGY</b>						
<b>Action</b>	<b>Hazards</b>	<b>Action Applies to</b>	<b>Cost Estimate</b>	<b>Funding Method</b>	<b>Timeframe</b>	<b>Lead Agency</b>
42. Identify and map existing and potential water sources	Wildfire	Towns	<\$500	General funds	2013	Emergency Government
<p><b>2006-2012 Progress:</b> Completed, needs to be updated. Water sources in Iron County were mapped by individual fire departments in 2008-2009, the data needs to be updated and converted to a digital (GIS) format.</p> <p><b>2012 Status:</b> Revised to include data update and conversion to digital format.</p>						
43. Improve interagency coordination (DNR & County)	Wildfire	Towns	\$0	N/A	Ongoing	Emergency Government, DNR
<p><b>2006-2012 Progress:</b> Ongoing activity. WDNR has a representative on the Iron County Fire Association.</p> <p><b>2012 Status:</b> Active</p>						
44. Develop an evacuation plan with identified escape routes and safety zones.	Wildfire	Towns	\$7,000	Grant funds, HMGP	2010	Emergency Government
<p><b>2006-2012 Progress:</b> Not completed. Low-priority directive and a lack of funding to complete.</p> <p><b>2012 Status:</b> Deleted</p>						
45. Improve public awareness of wildfire hazards by providing city residents with access to literature and handouts.	Wildfire	City of Montreal	\$500	WDNR funding assistance	Within 5 years	Fire Department
		City of Hurley	\$500	General Funds	ASAP, implementation ongoing	Fire Dept
<p><b>2006-2012 Progress:</b> Some work has been accomplished relative to this directive and basic information is currently provided.</p> <p><b>2012 Status:</b> Active. Cities will acquire FIREWISE information for public distribution from the National Fire Protection Association (NFPA) <a href="http://www.nfpa.org/catalog/">http://www.nfpa.org/catalog/</a></p>						



**INFECTIOUS DISEASE HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
46. Implement Pandemic Response Plan early and in a coordinated effort with a layered approach – individuals, community, and international measures.	Infectious Disease	Towns	Minimal initially	Federal, State, Local	Early in outbreak	Health Department
<p><b>2006-2012 Progress:</b> Ongoing. Iron County’s Pandemic Preparedness Plan is updated annually. In July of 2009 the county experienced its first case of H1N1flu. The Health Department implemented and followed plan, accordingly. The county also held over 50 H1N1 vaccination clinics.  <b>2012 Status:</b> Active, ongoing.</p>						
47. Voluntary household quarantine	Infectious Disease	Towns	Minimal	Department Funds	Based on Pandemic Severity Index (PSI) and case fatality ratio	Health Department
<p><b>2006-2012 Progress:</b> Ongoing. Implemented as needed.  <b>2012 Status:</b> Active, ongoing.</p>						
48. Voluntary home isolation when ill	Infectious Disease	Towns	Minimal	Department Funds	Based on Pandemic Severity Index (PSI) and case fatality ratio	Health Department
<p><b>2006-2012 Progress:</b> Duplicate of previous action.  <b>2012 Status:</b> Deleted.</p>						
49. Keep kids and teens at home	Infectious Disease	Towns	Minimal	Department Funds	Early in outbreak based on Pandemic Severity Index	Health Department



### INFECTIOUS DISEASE HAZARD MITIGATION STRATEGY

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<b>2006-2012 Progress:</b> Ongoing. During the H1N1 outbreak of 2009, schools were closed (Nov 2-3, Hurley & Nov. 4-6, Mercer) <b>2012 Status:</b> Active, ongoing.						
50. School Closure	Infectious Disease	Towns	Minimal to implement	Department Funds	Early in an outbreak	Health Department
<b>2006-2012 Progress:</b> Duplicate of previous action. <b>2012 Status:</b> Deleted.						
51. Treating the ill and providing contacts with antivirals	Infectious Disease	Towns	Thousands	Vaccine production costs covered with current research and pharm. devel. – vaccines covered by insurance program, drug coverage and private pay	6-8 months after initial outbreak	Health Department
<b>2006-2012 Progress:</b> Ongoing, implemented as needed. During the H1N1 outbreak, antivirals were sent to the county from the state. Information was distributed to local physicians. Procedures were followed in accordance with the county's Pandemic Plan. <b>2012 Status:</b> Active, ongoing.						
52. Work with Iron County and the State of Wisconsin to formulate a public awareness plan.	Infectious Disease	City of Montreal	\$1,000	Identify grant source	Within 5 years	City government



IRON COUNTY HAZARD MITIGATION PLAN

**INFECTIOUS DISEASE HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<p><b>2006-2012 Progress:</b> Completed, implemented as part of the county’s Pandemic Plan, which is implemented on a countywide basis.  <b>2012 Status:</b> Complete</p>						
53. Work with County Health Department, School and nursing homes to prevent the spread of infectious disease. (quarantine)	Infectious Disease	City of Hurley	\$0	N/A	ASAP, ongoing implementation	City and County Health Dept.
<p><b>2006-2012 Progress:</b> Partially completed. Systems are in place in accordance with the county’s Pandemic Plan. The Iron County Health Department and Sheriff’s Department entered into a Memorandum of Understanding relating to tuberculosis quarantine.  <b>2012 Status:</b> Active, ongoing.</p>						

**CAVING/SUBSIDENCE HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
54. Maps abandoned mine shafts and identify areas which are potentially vulnerable to caving/subsidence.	Caving/ Subsidence	Towns	<\$5,000	General funds	2017	Emergency Government
<p><i>Comment: Historical records of mine layout may be incomplete or missing.</i></p>						
<p><b>2006-2012 Progress:</b> Not completed due to lack of funding and incomplete historical records.  <b>2012 Status:</b> Deferred. Targeted for completion by 2017. If further research does not provide a more complete historical record, this action item may need to be revised.</p>						
55. Close access or post warning signs at locations which are known to be susceptible to caving.	Caving/ Subsidence	Towns	<\$500	General funds	Ongoing	Emergency Government
<p><b>2006-2012 Progress:</b> No areas have been identified as being hazardous at this time. As hazards are identified, they will be addressed as needed.  <b>2012 Status:</b> Active, ongoing.</p>						



## IRON COUNTY HAZARD MITIGATION PLAN

## CAVING/SUBSIDENCE HAZARD MITIGATION STRATEGY

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
56. Public service announcement (PSA) to notify public about potential hazard	Caving/ Subsidence	Towns	<\$500	General funds	2010	Emergency Government
<p><b>2006-2012 Progress:</b> No areas have been identified as being hazardous at this time, so there has been no basis for a public service announcement. If a hazard is identified, the public will be informed, as needed.</p> <p><b>2012 Status:</b> Active, ongoing.</p>						
57. Create an action/response plan.	Caving/ Subsidence	City of Montreal	\$2,000	Grant funding?	Within 5 years	City government/ Fire Department
<p><b>2006-2012 Progress:</b> Not completed due to a lack of existing information and staffing. Before an action/response plan can be developed, more information is required to identify the scope of the problem and to understand risks to the community.</p> <p><b>2012 Status:</b> Active, combined with action #58, to be completed within 5 years if WDNR conducts a study of the caving/subsidence issue. This could also be dovetailed with a proposed future mining impact study to examine the potential impacts of ferrous mining on the Penokee-Gogebic Range.</p>						
58. Create pamphlets and educational materials to promote public awareness of the caving/subsidence hazard in the City.	Caving/ Subsidence	City of Montreal	\$2,000	Grant funding?	Within 5 years	City government/ Fire Department
<p><b>2006-2012 Progress:</b> Not completed due to a lack of existing information and staffing. Before public informational/educational materials can be developed, more information is required to identify the scope of the problem and to understand risks to the community.</p> <p><b>2012 Status:</b> Active, combined with action #57, to be completed within 5 years if WDNR conducts a study of the caving/subsidence issue. This could also be dovetailed with a proposed future mining impact study to examine the potential impacts of ferrous mining on the Penokee-Gogebic Range.</p>						

## FOREST HEALTH HAZARD MITIGATION STRATEGY

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
59. Continue to follow the Sustainable Forests Plan that the Forestry Department has implemented to reduce the potential for the spread of disease and to maintain overall forest health.	Forest Health	County Forest (Towns)	n/a	n/a	Ongoing	Forestry Department



IRON COUNTY HAZARD MITIGATION PLAN

**FOREST HEALTH HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<p><b>2006-2012 Progress:</b> In 2006, Iron County adopted an updated fifteen year management plan for the County Forest.  <b>2012 Status:</b> Active, ongoing.</p>						

**HAZARDOUS MATERIALS INCIDENTS HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<p><b>60.</b> Work with the Wisconsin Department of Natural Resources to develop a database of hazardous materials being transported through Iron County.</p>	Hazardous Materials Incidents	Towns	<\$1,000	Emergency Management Planning Grant	2017	Emergency Government
<p><i>Comment: The Wisconsin Department of Natural Resources regulates the transport of hazardous materials in Wisconsin. DNR requires transporters of hazardous materials to obtain a license to haul the materials and the company must meet strict documentation requirements. DNR does not track the specific date/time of the transport, or the route of transit.</i></p>						
<p><b>2006-2012 Progress:</b> Not completed due to resource constraints and lack of funding. This remains an area of high concern to the county. The Local Emergency Planning Committee (LEPC) has identified the routes likely to be used for the transportation of hazardous substances, but not the types and volumes of materials flowing through the community.  <b>2012 Status:</b> Active, ongoing.</p>						
<p><b>61.</b> Survey all potential hazardous material sources (businesses, etc.) in the county to identify, and then map all hazardous material storage facilities, including those not subject to state reporting requirements.</p>	Hazardous Materials Incidents	Towns	<\$1,000	General funds	2013	Emergency Government
<p><i>Comment: Create GIS data coverage of existing hazardous materials sources in Iron County. File attributes should, at a minimum, include: nature of hazardous material, amount stored on site, contact information and incident history.</i></p>						





**HAZARDOUS MATERIALS INCIDENTS HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<p>2006-2012 Progress: In progress. In 2010, the Northwest Regional Planning Commission received a Great Lakes Restoration Initiative (GLRI) grant for the creation of a GIS data layer that identifies the locations of industry and business that contain hazardous materials in their MSDS and/or waste stream within Wisconsin's Lake Superior Basin and the western Upper Peninsula of Michigan. A GIS-based Contaminant Source Inventory (CSI) will also be developed using existing datasets from various state, county, city, and local agencies (including SARA Title III data). These datasets will be selected, joined, and sorted using GIS relational database capabilities into a single "business master file." GPS coordinate locations and photographs will be obtained for each site. Map files will be projected and transformed into a common coordinate system. Point data attributes will include, but not be limited to facility/site name, chemical data (MSDS information), address, contact information (including emergency contact information), along with spill and remediation activity information. Storage site data will support GIS queries to locate specific materials, quantities, and storage facilities within the Lake Superior Basin, and serve as an invaluable decision support tool in emergency response situations. This project will identify the bulk of hazardous material storage sites in Iron County due to the fact that the county's most populous areas (i.e. Hurley area) lie within the Lake Superior Basin.</p> <p><b>2012 Status:</b> Active, GLRI project to be completed prior to January 1, 2013</p>						
62. Work with the Wisconsin Department of Transportation to improve traffic safety at problem areas through improved road design, traffic control, routing and signage.	Hazardous Materials Incidents	Towns	\$0	N/A	Initiate 2008, Ongoing	Highway Traffic Safety Committee
<p><b>2006-2012 Progress:</b> Ongoing activity between the Wisconsin Department of Transportation and the Iron County Highway Traffic Safety Committee</p> <p><b>2012 Status:</b> Active, ongoing.</p>						
63. Site future critical facilities away from hazardous materials transportation routes.	Hazardous Materials Incidents	Towns	\$0	N/A	By 2017	Zoning, Emergency Government
<p><i>Comment: The above statement should be added as a policy to the Iron County Comprehensive Plan in a future plan update.</i></p>						
<p><b>2006-2012 Progress:</b> The Iron County Comprehensive Plan was not updated during the planning period. This policy will be incorporated into the plan is amended in the future.</p> <p><b>2012 Status:</b> Active</p>						



## IRON COUNTY HAZARD MITIGATION PLAN

**HAZARDOUS MATERIALS INCIDENTS HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
64. Ensure that any business which uses, stores or manufactures hazardous materials is in compliance with the Occupational Safety and Health Administration (OSHA) regulations detailed in 29 CFR 1910.120 (hazardous waste operations and emergency response)	Hazardous Materials Incidents	Towns	\$0	N/A	Ongoing	Emergency Government, Local Emergency Planning Committee (LEPC)
<p><b>2006-2012 Progress:</b> Ongoing. Directive is currently being implemented.  <b>2012 Status:</b> Active, ongoing.</p>						

**ENERGY EMERGENCY MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
65. All critical facilities should have a back-up power supply. A countywide survey should be conducted to identify those critical facilities that currently do not have a back-up power supply.	Energy Emergencies	Towns	Survey = <\$500	General funds	Update annually	Iron County Emergency Government
<p><b>2006-2012 Progress:</b> Completed. Survey needs to be updated on an annual basis.  <b>2012 Status:</b> Active, updates ongoing.</p>						

**ARSON HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
66. Demolish abandoned or collapsed structures and clean up junk and debris	Arson	Towns	Varied	General funds	2010	Towns



## IRON COUNTY HAZARD MITIGATION PLAN

## ARSON HAZARD MITIGATION STRATEGY

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<b>2006-2012 Progress:</b> In progress. In 2007, Iron County adopted a public nuisance ordinance which regulates collapsed structures, junk/abandoned cars and debris. Enforcement of that ordinance <b>2012 Status:</b> Active, updates ongoing.						
67. Anti-arson public service announcement (PSA)	Arson	Towns	\$<500	Apply for SAFER Grant	2010	Fire Association

## TERRORISM HAZARD MITIGATION STRATEGY

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
68. Promote inter and intra-agency coordination on potential terrorist activity. County law enforcement and state and Federal intelligence agencies should work with the highest degree of communication, coordination, and cooperation. This can be accomplished through training exercises, compatible communication equipment, and networked information systems.	Terrorism	Towns	\$0	N/A	Ongoing	Emergency Government
<b>2006-2012 Progress:</b> Ongoing. Directive is currently being implemented. <b>2012 Status:</b> Active, ongoing.						
69. Encourage utility and pipeline companies to prepare vulnerability studies to identify potential threats and problems	Terrorism	Towns	\$0	N/A	Ongoing	Emergency Government
<b>2006-2012 Progress:</b> Ongoing. Directive is currently being implemented. <b>2012 Status:</b> Active, ongoing.						
70. Establish local response procedures for suspicious packages received in the mail	Terrorism	Towns	\$0	N/A	2008	Emergency Government



## IRON COUNTY HAZARD MITIGATION PLAN

**TERRORISM HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
<b>2006-2012 Progress:</b> Ongoing. Directive is currently being implemented. <b>2012 Status:</b> Active, ongoing.						
71. Broaden existing studies and impact analysis	Terrorism	Towns	<\$10,000	General funds	2010	Emergency Government, Health Dept.
<b>2006-2012 Progress:</b> Ongoing. Directive is currently being implemented. <b>2012 Status:</b> Active, ongoing.						
72. Address training needs in the county.	Terrorism	Towns	\$10,000	Homeland Security Grant?	Ongoing	Emergency Government
<b>2006-2012 Progress:</b> Ongoing. Directive is currently being implemented. <b>2012 Status:</b> Active, ongoing.						

**CIVIL DISTURBANCE HAZARD MITIGATION STRATEGY**

Action	Hazards	Action Applies to	Cost Estimate	Funding Method	Timeframe	Lead Agency
73. Train and educate police officers in civil disturbance response procedures	Civil Disturbance	Towns	\$0	n/a	Ongoing	Sheriff's Department
<b>2006-2012 Progress:</b> Ongoing. Directive is currently being implemented. <b>2012 Status:</b> Active, ongoing.						
74. Provide a police presence at controversial events with large crowd gatherings as a means of discouraging conflict	Civil Disturbance	Towns	\$0	n/a	Ongoing	Sheriff's Department
<b>2006-2012 Progress:</b> Ongoing. Directive is currently being implemented. <b>2012 Status:</b> Active, ongoing.						



## PLAN MAINTENANCE

This chapter outlines the process Iron County will use to assure that the goals, objectives, and action items described in this document will remain relevant. The first section, “Monitoring, Evaluating, and Updating the Plan,” describes the system established to monitor the plan, as well as how, when and by whom the plan will be evaluated. The next section describes how continued public involvement will be assured as the plan is monitored and updated.

### MONITORING, EVALUATING, AND UPDATING THE PLAN

To ensure that the Iron County Hazard Mitigation Plan continues to meet the needs of the county, the document should be periodically reviewed and updated. The plan’s actions, goals and objectives, should be examined on an annual basis. Changing community values and beliefs, coupled with evolving technology necessitate that the document be considered a “living” document. The plan’s “Hazard Mitigation Strategy” should not only be re-evaluated within this “values” context, but also include an examination of plan successes and failures.

The Iron County Hazard Mitigation Planning Committee should meet annually to address plan maintenance and revision issues. A more complete plan revision should occur at least once every five years. It is important that representatives from each of the county’s jurisdictions are involved in the plan update and monitoring process. Additionally, representatives from business, the insurance industry, homeowners’ association, public environmental organizations and social service providers should be included in the plan revision process.

In the process of evaluating the plan, the Hazard Mitigation Committee should answer the following questions:

- A. Do the goals and objectives continue to address expected conditions in Iron County?
- B. Is the risk assessment still appropriate or has the nature or magnitude of the hazard and/or vulnerability changed over time?
- C. Are current resources appropriate for implementing this plan?
- D. Have lead agencies participated as originally proposed?



- E. Have outcomes met our expectations?
- F. What problems have occurred in the implementation process?
- G. What were the plan's successes and failures?
- H. Have member of the public been adequately involved in the process? Are their comments being heard?

The Iron County Hazard Mitigation Planning Committee should be responsible for the following tasks relative to the plan revision process (ANNUAL BASIS)

- 1) Review the plans goal and objective statements to ensure consistency with changing values, beliefs and technology.
- 2) Monitoring and evaluating the mitigation strategies in this plan to assure that the document reflects current hazard analyses, development trends, code changes and risk analyses and perceptions.
- 3) Documenting the successful (and unsuccessful) completion of plan implementation strategies and monitoring/adjusting established timelines.
- 4) Developing new hazard mitigation strategies, and future mitigation actions to be undertaken in the community.
- 5) Continue to involve local units of government and the public in the planning process.

The Iron County Hazard Mitigation Planning Committee should be responsible for the following tasks relative to the plan revision process (FIVE YEAR)

- 1) Update the plan's demographics
- 2) Update the "Hazard Identification" and "Risk Assessment" sections of the plan with relevant information. (i.e. documenting storms occurring within the timeframe)



- 3) Update plan statistics and valuations
- 4) Incorporate additional information that becomes available during the time period. For example, a completed shoreline recession rate study should result in new data which should be incorporated into the county's plan. Also, the release of relevant GIS data such as Q3 floodplain data will necessitate that the flood analysis portion of the document be revised to reflect more accurate data.
- 5) The County and participating jurisdictions will coordinate with other planning activities such as comprehensive planning, land use plans, and others to ensure that mitigation strategies are considered and addressed as appropriate. In addition, those planning activities will be coordinated with the five-year update of the hazard mitigation plan.
- 6) Revise the plan's "Hazard Mitigation Strategy" to reflect new data. Develop additional hazard mitigation measures based on new information.

#### **CONTINUED PUBLIC INVOLVEMENT**

To facilitate continued public involvement in the planning process, The Hazard Mitigation Planning Committee should assure that the following steps are taken:

- A. The public should be directly involved in the update and review of the plan. All meetings should be open to the public and publicized to encourage attendance. Time for public comment should be granted throughout the process.
- B. Copies of the plan should be made available at all of the public libraries and at appropriate agencies throughout Iron County.
- C. The plan will be available on the county's website, and will contain an email address and phone number the public can use for submitting comments and concerns about the plan.
- D. A public meeting will be held annually to provide the public with a forum for expressing concerns, opinions, and ideas.

**PLAN INTEGRATION**

The integration of the Iron County Hazard Mitigation Plan into other planning documents will be an ongoing process. Through annual reviews of the plan and through continuous evaluation of the mitigation actions the Iron County Hazard Mitigation Plan will be complement and enhance the Emergency Operations Plan, future Community Wildfire Protection Plans, Iron County Comprehensive Plan, Iron County Outdoor Recreation Plan, Iron County Land and Water Resource Plan and other important planning documents as they pertain to hazard mitigation. Plan integration into the existing and future ordinance framework for Iron County currently utilizes comprehensive land use planning, zoning, subdivision ordinances and building codes to guide and control development in the County. After the County officially adopts the updated Hazard Mitigation Plan, these existing mechanisms will have hazard mitigation strategies integrated into them. The County Zoning Department will conduct periodic reviews of the County's comprehensive plans and land use policies, analyze any plan amendments, and provide technical assistance in implementing these requirements. Before a new dwelling can be constructed in Iron County, the applicant must secure a sanitary permit from the county. Applicants must also secure a building permit from the town. The Wisconsin Uniform Dwelling Code requires that all towns issue building permits for new dwellings and additions to existing dwellings. Following adoption of the updated Mitigation Plan, Iron County will work with all ten towns to ensure continued enforcement of minimum standards established in the Uniform Dwelling Code. This is to ensure that life/safety criteria are met for new construction. The County will continue to work to secure high-hazard areas for low risk uses.