

Alcona County Evaluation Criteria								
Mitigation Actions A. Multi-Hazard Actions 1	Social Impact	Technically feasible	Admin. Capabilities	Political Effects	Legal Effects	Environmental	Benefits	Cost Effective
Enhance and expand a public education program for all natural hazards that threaten the community.	+	+	-	+	+	+	+	+
Enhance and expand an all hazards education and awareness program in schools, which includes classroom presentations and incorporating wildfire and weather hazard preparedness into school curriculums.	+	+	-	+	+	+	+	+
Produce and distribute family emergency preparedness information relating to all natural hazards affecting the County.	+	+	-	+	+	+	+	+
Work with power companies to inventory condition of power line right-of-ways, and identify priority sections to clear branches and trees from power lines. The end goal is to create and maintain a disaster-resistant landscape in public rights-of-way.	-	+	+	+	+	+	+	+
Where feasible and cost effective (more densely populated areas) bury and protect power and utility lines.	-	+	+	+	+	+	+	+
Conduct workshops at community gatherings to encourage residents to develop a Family Disaster Plan which includes the preparation of a Disaster Supplies Kit.	+	+	-	+	+	+	+	+
Continue to develop Emergency Response Team program to help prepare for all hazard events in the county.	+	+	+	+	+	+	+	+
Organize outreach program to vulnerable populations during and after hazard events, including wildfires, extreme winter and summer weather events, periods of extreme temperatures, public health emergencies, and other hazards that can impact the community.	+	+	-	+	+	+	+	+
Build the capabilities of the county GIS program to function as a tool to address multiple hazards. This effort would require the creation/updating of datasets such as parcels/ownership, location of all structures, driveways with ingress/egress conditions, roads, forest types, ownership types, floodplains, utilities (power lines, gas lines and water lines), wetlands, water features, bridges and culverts, (SARA III sites)	+	+	-	+	+	+	+	+
Increase usage of NOAA Weather Radio by subsidizing purchase and distribution of radios to county residents, organizations and businesses. Use NOAA radios as a community emergency alert system to information on hazard events.	+	+	-	+	+	+	+	+
Ensure that the County and individual communities have adequate equipment, staff, and training to respond to transportation-related accidents specific to their needs.	+	+	-	+	+	+	+	+

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	A. Multi-Hazard Actions 2							
Enforce a balanced system of ordinances that protect the community as-a-whole while respecting the rights of individuals.	-	+	-	-	-	+	+	+
Identify optimal staffing levels for County and community needs – seek funding to meet optimal levels	+	+	-	+	+	+	+	+
Acquire portable/changeable message signs to direct crowds and provide information.	+	+	-	+	+	+	+	+
Individual communities should prepare future land use plans and capital improvement programs to plan for their future needs.	+	+	-	-	+	+	+	+
Communities will acquire and maintain an adequate level of emergency power generators to supply emergency water needs, wastewater processing, emergency communications, emergency health care, and shelters.	+	+	-	+	+	+	+	+
Communities will work with the Federal Emergency Management Agency (FEMA) to identify flood plains.	+	+	-	-	+	+	+	+
Ensure key gasoline stations have the capacity to pump gasoline during power outages.	-	+	-	+	+	+	+	+
Develop plans to identify and inform persons of "Safe Areas" during festivals/events. (include signs and directions to shelters)	+	+	-	+	+	+	+	+

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B. Wildfire Actions 1								
Coordinate countywide wildfire education program: distribution of materials via direct mailings, school presentations, demonstration projects, displays at community events, displays and education materials at community libraries.	+	+	-	+	+	+	+	+
Develop and implement strategy to introduce "Firewise" program in at-risk communities.	+	+	-	+	+	+	+	+
Identify communities or neighborhoods to develop "Firewise" demonstration projects.	+	+	-	+	+	+	+	+
Implement community wildland fire education program utilizing the Student Conservation Association – Fire Education Corps, to provide land managers and communities with tools and information designed to reduce the negative impact of wildland fires on individuals living in the wildland urban interface.	+	+	-	+	+	+	+	+
Review and strict enforcement of open burning regulations.	+	+	-	+	+	+	+	+
Promote creation of defensible space around structures in fire-prone wildland areas.	-	+	-	-	+	+	+	+
Community Chipper Days – Organize a program to provide a chipper for properly disposing of woody debris, in conjunction with composting programs and spring clean-up days.	+	+	-	+	+	+	+	+
Distribute wildfire education materials to homeowners and businesses through tax bill receipts.	+	+	-	+	+	+	+	+
Conduct multi-agency, inter-county emergency management response exercises for fire suppression.	+	+	-	+	+	+	+	+
Organize neighborhood wildfire safety coalitions to plan how residents can work together to prevent wildfire	+	+	-	+	+	+	+	+
Promote media broadcasts of fire weather and fire warnings	+	+	-	+	+	+	+	+
Promote and implement fuel management by thinning of flammable vegetation, creation of fuel breaks, use of fire-retardant materials/vegetation and selective thinning....	+	+	-	+	+	+	+	+

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B. Wildfire Actions 2								
Promote and implement solutions for keeping roads and driveways accessible to vehicles and fire equipment.	-	+	-	-	+	+	+	+
Identify adequate water supplies for emergency fire fighting, areas lacking adequate water supplies and develop strategy to construct dry hydrants.	+	+	-	+	+	+	+	+
Work with insurance companies to provide wildfire safety information to area residents, and consider reduction of insurance premiums if homes meet "Firewise" criteria.	+	+	-	+	+	+	+	+
Develop a program to instruct residents on proper procedures for wildfire evacuation, ...	+	+	-	+	+	+	+	+
Develop program to form Wildfire Safety Coalition to develop neighborhood watch program to instruct others about escape routes, sprinkler systems, power lines, etc...	+	+	-	+	+	+	+	+

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C. Shoreline Flooding and Erosion								
Initiate a program to identify and map flood-prone areas and structures affected by flooding	+	+	-	+	+	+	+	+
Communities should incorporate floodplain/coastal zone management into their local planning activities by planning acceptable uses for areas prone to flooding (comprehensive planning, zoning, open space requirements, subdivision regulations, land use and capital improvements planning)	-	+	-	-	-	+	+	+
Dry floodproofing of structures within known flood areas.	+	+	-	+	+	+	+	+
Elevate flood-prone structures above the 100-year flood level where deemed technically feasible and cost effective	+	+	-	+	+	+	+	+
Construct elevated or alternative roads that are unaffected by flooding, or make roads more flood-resistant	+	+	-	+	+	+	+	+
Communities with flooding hazards should join the National Flood Insurance Program	+	+	-	+	+	+	+	+
Initiate structural projects to increase drainage or absorption.	+	+	-	+	+	+	+	+
Change real estate disclosure laws to require sellers to identify a structures location in a shoreline flooding or erosion area.	-	+	-	+	-	+	+	+

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Communities should incorporate floodplain management into their local planning activities by planning acceptable land uses and land use densities for areas prone to flooding	-	+	-	-	+	+	+	+
Dry floodproofing of structures within known flood areas.	+	+	-	+	+	+	+	+
Elevate flood-prone structures above the 100-year flood level where deemed technically feasible and cost effective	+	+	-	+	+	+	+	+
Construct elevated or alternative roads that are unaffected by flooding, or make roads more flood-resistant	+	+	-	+	+	+	+	+
Communities with flooding hazards should join the National Flood Insurance Program	+	+	+	+	+	+	+	+
Initiate structural projects to increase drainage or absorption capacities.	+	+	-	+	-	+	+	+
Increase public awareness of the need for permits (MDEQ Part 31) for building in floodplain areas.	+	+	-	-	+	+	+	+
Change real estate disclosure laws to require sellers to identify a structures location in a floodplain	-	+	-	+	-	+	+	+
Protect and restore wetlands and natural water retention areas to improve natural Stormwater retention systems	+	+	-	+	+	+	+	+
Enforce basic building code requirements related to flood mitigation.	-	+	-	-	-	+	+	+
Drainage easements (allowing the planned and regulated public use of privately owned land for temporary water retention and drainage).	-	+	-	-	-	+	+	+
Detection and prevention/discouragement of illegal discharges into storm-water sewer systems, from home footing drains, downspouts and sump pumps	+	+	-	-	-	+	+	+
Improve and expand regional and watershed cooperation activities	+	+	-	-	+	+	+	+

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Increase usage of NOAA Weather Radio by subsidizing purchase and distribution of radios to county residents, organizations and businesses	+	+	-	+	+	+	+	+
Amend building codes to require installation of weather radios in new structures, similar to smoke detectors	+	+	-	-	-	+	+	+
Continue training and increased use of weather spotters.	-	+	-	+	+	+	+	+
Include safety strategies for severe weather events in driver education classes and materials	+	+	-	+	+	+	+	+
Continue pre-planning efforts for debris management staging and storage areas	+	+	-	+	+	+	+	+
Maintain a listing of homes and facilities with vulnerable residents such as elderly, infirmed and disabled individuals. Establish outreach procedures for assisting residents after severe summer storm events	+	+	-	+	+	+	+	+
Require new mobile home parks to have tornado/wind shelters	+	+	-	+	+	+	+	+
Develop or update emergency response plans for schools, campgrounds, fairgrounds, parks, community events and marinas	+	+	-	+	+	+	+	+
Amend building codes to require anchoring of manufactured homes and exterior structures such as carports and porches	+	+	-	+	+	+	+	+
Identify campgrounds, fairgrounds, parks, and outdoor recreational facilities that lack and need "Safe Areas." Where necessary construct safe areas and storm shelters.	+	+	-	+	+	+	+	+

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	F. Winter Weather Hazards							
Establish heating centers/shelters for vulnerable populations	+	+	-	+	+	+	+	+
Compile a listing of homes and facilities with vulnerable residents such as elderly, infirmed and disabled individuals; and establish outreach procedures for assisting residents after severe winter storm events	+	+	-	+	+	+	+	+
Prearrange for shelters for stranded motorists/travelers.	+	+	-	+	+	+	+	+
Complete and inventory problem sections of roads. Place snow fences or "living snow fences" (rows of trees or vegetation) to limit blowing and drifting of snow over critical roadway segments	+	+	-	+	+	+	+	+

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	G. Infrastructure Failures							
Establish redundancies in utility and communications systems, especially "lifeline" systems	+	+	-	+	+	+	+	+
Identify sites, obtain support and seek funding to improve critical road/stream crossings	+	+	-	+	+	+	+	+
Purchase and/or maintain generators for backup power at critical facilities	+	+	-	+	+	+	+	+
Establish and improve programs/networks for contacting elderly or homebound persons during periods of infrastructure failure, to assess whether they have unmet needs	+	+	-	+	+	+	+	+
Protect electrical and communications systems from lightning strikes by completing an inventory of protection systems and where necessary upgrade systems.	+	+	-	+	+	+	+	+

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Encourage residents to receive immunizations against communicable diseases	+	+	-	+	+	+	+	+
Increase public awareness of radon dangers and the prevention efforts that can be taken to reduce concentrations of radon in homes and buildings	+	+	-	+	+	+	+	+
Demolish and clear vacant condemned structures in populated areas to prevent rodent infestations	+	+	-	-	-	+	+	+
Maintain a community public health system with sufficient disease monitoring and surveillance capabilities to adequately protect the population from large-scale outbreaks	+	+	-	+	+	+	+	+
Increase public awareness of the causes, symptoms, and protective actions for disease outbreaks and other potential public health emergencies	+	+	-	+	+	+	+	+
Expand community support of free or reduced-expense clinics and school health services	+	+	-	+	+	+	+	+
Inform public and support pollution control, enforcement and cleanup; proper disposal of chemicals and scrap materials	+	+	-	+	+	+	+	+
Seek support and funding to clean up sites of environmental contamination	+	+	-	+	+	+	+	+
Coordinate with health department and local communities to assure proper location, installation, cleaning, monitoring, and maintenance of septic tanks	+	+	-	+	+	+	+	+

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I. Hazardous Material Transportation Incidents								
Increase coverage and use of NOAA Weather Radio (which can provide notification to the community during any period of emergency, including large scale hazardous material incidents)	+	+	-	+	+	+	+	+
Improve capability of agencies to carry-out road closures and to provide traffic control in accident areas	+	+	+	+	+	+	+	+
Maintain and enhance trained, equipped and prepared local hazardous materials emergency response teams	+	+	-	+	+	+	+	+
Provide for trained, equipped, and prepared search and rescue teams	+	+	-	+	+	+	+	+
Develop evacuation plans and community awareness of them	+	+	-	+	+	+	+	+