

APPENDIX 9

IMPLEMENTATION CHECKLIST

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MITIGATION PRACTICE	HAZARD ADDRESSED	STATUS	PRIORITY	2024 STATUS
<p>Building Protection</p> <ol style="list-style-type: none"> Prohibit construction of critical facilities in known hazard areas (downstream of dams and floodplains) <i>(2015 Measure)</i> Inventory assets and prioritize needs for additional firefighting equipment of each fire station or first response agencies Install additional dry-hydrants throughout the county Evaluate each fire department for their status relevant to the Cumulative Firefighting Building and Equipment Fund <p><i>(Will assist with NFIP compliance)</i></p>	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>Ongoing –</p> <ol style="list-style-type: none"> Noble County prohibits construction of critical facilities in 500-year floodplain Some dry hydrants are present in the county <p>Proposed Enhancements –</p> <ol style="list-style-type: none"> Prohibit construction of critical facilities in additional hazard areas Complete inventory and prioritization focusing on personal protective equipment, implement as funding is obtained Prioritize areas where dry hydrants would be valuable, install as landowners agree and as equipment is purchased Determine each department’s status regarding the maximum allowable tax levied 	High	
<p>Land Use Planning & Zoning</p> <ol style="list-style-type: none"> Incorporate hazard information into the Comprehensive Land Use Plan and development review to better guide future growth and development 	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>Ongoing –</p> <ol style="list-style-type: none"> Development review captures many issues related to development in floodplains <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> Extend to additional hazards considered in development review and include additional information in Comprehensive plans 	High	

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<p>Safer Rooms and Community Shelters</p> <ol style="list-style-type: none"> 1. Assess current agreements and develop any needed shelter agreements within the County. Potential for tiered levels of shelters, domestic animal shelters, etc. especially in small communities 2. Clearly advertise location of safer areas and community shelters for large gatherings of people (sporting events, 4H fair, etc.) 3. Develop a domestic animal friendly evacuation plan and domestic animal friendly shelter 4. Provide incentives for buildings with approved safe rooms and encourage construction of safe rooms in all new municipal facilities 5. Coordinate with Mobile Home Park owners to construct a shelter/safe room in each park 	<input type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. Shelter locations (24) are spaced throughout the county as available and as needed <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> 1. Continue to determine if additional shelter locations or services are needed 2. Provide additional signage or announcements during events for out-of-town guests 3. Develop plan and shelter for humans and domestic animals 4. Investigate potential offerings to buildings with approved safe rooms 5. Construct a shelter/safe room in each mobile home park 	High	
<p>Emergency Response & Recovery</p> <ol style="list-style-type: none"> 1. Form a Noble County Mobile Command Center 2. Inventory needs for mobile data terminal hardware or software in response vehicles and purchase and install as prioritized 3. Investigate the most efficient and protected method to backup county and municipal records 4. Investigate mobile sandbagging equipment options and purchase as funding is obtained 5. Improve disaster preparedness and emergency response at the local level through the CERT or COAD program 6. Improve recordkeeping to achieve accurate and community specific information following each hazard event including extent, magnitude, cost, response, and recovery efforts 	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>Ongoing –</p> <ol style="list-style-type: none"> 2. Most vehicles in each municipality have terminals 3. Backups are the responsibility of individual municipalities 6. Information is collected in various methods following hazard events <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> 1. Research options develop schematics and purchase Mobile Command Center as funding is obtained 2. Inventory and prioritize needed hardware and/or software upgrades 3. Develop consistent methods and protocols for backup measures locally and off-site. 4. Research mobile sandbagging equipment and determine what would be the most appropriate for Noble County 5. Increase volunteers through trainings and exercises to educate and coordinate response efforts 6. Develop and utilize consistent forms to collect hazard event information 	<p>High <i>(mobile command, data terminals, records backup, sandbagging, CERT/COAD)</i></p> <p>Moderate <i>(recordkeeping)</i></p>	

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<p>Floodplain Management</p> <ol style="list-style-type: none"> 1. Develop floodplain overlay district to further protect area from development while allowing passive uses 2. Protect existing critical facilities in floodplain 3. Institute a voluntary retrofit and/or buyout plan for structures subject to repetitive flooding 4. Complete a Noble County Flood Mitigation Plan to set long-term strategies to mitigate flood impacts county-wide 5. Evaluate and implement recommendations from completed flood protection and watershed management plans 6. Submit a petition to develop a West Lakes Conservancy District to address flooding 7. Complete flood depth mapping (RiskMAP) to better understand flood risk potential <p><i>(Will assist with NFIP compliance)</i></p>	<ul style="list-style-type: none"> <input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input type="checkbox"/> Winter Storm/Ice <input type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident 	<p>Ongoing –</p> <ol style="list-style-type: none"> 2. Mobile home parks (2) and WWTPs (2) in county SFHA which may need protection measures 3. Structures have been purchased previously through the MRBC 5. Plans and studies have been completed to better understand watershed impacts and localized flooding <p>Proposed Enhancements –</p> <ol style="list-style-type: none"> 1. Develop floodplain district in prioritized areas 2. Determine best protection method and implement to protect facility from flood damages 3. Develop plan and work with prioritized property owners to retrofit or buyout structures 4. Review completed studies, prioritize unstudied areas to develop a Noble County Flood Mitigation Plan 5. Continue to implement recommendations in completed plans related to flood protection 6. Complete necessary requirements and submit petition to establish the conservancy district 7. Prioritize flood risk areas and secure funding to complete flood depth mapping to better understand flood potential 	<p>High <i>(overlay district, critical facilities, buyout, county flood plan, recommendations, conservancy district)</i></p> <p>Moderate <i>(RiskMAP)</i></p>	

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<p>Emergency Preparedness & Warning</p> <ol style="list-style-type: none"> 1. Complete cooperation with NIXLE “Engage” hazard information broadcast system to distribute mass announcements in Noble County <i>(2015 Measure)</i> 2. Coordinate with event planners and develop an Emergency Action Plan for all large events 3. Evaluate and utilize flood forecasting capabilities including stream gages, flood forecast maps, and flood alerts along the Elkhart River and/or tributaries <i>(2015 Measure)</i> 4. Purchase public address system to keep on-site at large events 5. Purchase additional mobile electronic messaging boards and develop protocol for local interactions to provide current hazard information. 6. Coordinate with private building owners utilizing large dynamic message boards to provide hazard relevant messaging 7. Improve outdoor warning siren coverage and update existing sirens to alert population of severe weather conditions <i>(2015 Measure)</i> 	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. Process to fully offer “Engage” system has began 2. Some partnerships have been established 3. Two active stream gages in Noble County 5. Few message boards are available for use 7. 34 Outdoor warning sirens are located in Noble County <p>Proposed Enhancements –</p> <ol style="list-style-type: none"> 1. Complete the process and offer the system to those in and around Noble County 2. Develop template large event plans and develop additional partnerships to increase number of plans and efforts 3. Increase use of flood forecasting use a combination of maps, alerts and gages 4. Purchase PA system(s) to keep in mobile command center and/or keep on-site at large events 5. Purchase additional boards and store in areas around the county 6. Develop a facility contact list and prepare scripted messages applicable for most hazard events 7. Review locations of existing outdoor warning sirens and prioritize areas for new or updated sirens 	<p>High <i>(Engage, event planners, flood forecasting)</i></p> <p>Moderate <i>(public address)</i></p> <p>Low <i>(mobile message boards, private message boards, sirens)</i></p>	
<p>Geographic Information Systems</p> <ol style="list-style-type: none"> 1. Create layer of Tier II sites and other critical facilities to be available on mobile terminals, phones, and other devices 2. Enhance countywide GIS to incorporate countywide data on a consistent platform 3. Train GIS staff in HAZUS-MH to quantitatively estimate losses in “what-if” scenarios 	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>Ongoing –</p> <ol style="list-style-type: none"> 1. Countywide platform protocols are being developed <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> 1. Create layers and train responders on use during hazard events 2. Develop standards and protocols for countywide data layers 3. Provide training and use HAZUS in planning efforts 	<p>High <i>(create layers)</i></p> <p>Moderate <i>(Countywide layers)</i></p> <p>Low <i>(HAZUS)</i></p>	

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<p>Power Back-Up Generators</p> <ol style="list-style-type: none"> Secure a fuel reserve, or ensure emergency provisions re outlined in contracts, to ensure critical infrastructure may run on power back-up for extended periods of time Inventory, prioritize, and retrofit public facilities and/or critical facilities with appropriate wiring and electrical capabilities for utilizing a large generator for power back up <i>(2015 Measure)</i> Investigate the potential to utilize alternative (solar) generators where appropriate Designate a fuel reserve transportation route 	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>Ongoing –</p> <ol style="list-style-type: none"> County vehicles typically are provided fuel as needed Some facilities have wiring or generators <p>Proposed Enhancements –</p> <ol style="list-style-type: none"> Secure fuel reserve via contract service agreements Inventory and prioritize critical facilities for retrofitting wiring and generator capabilities Determine locations or demonstration sites for alternative generators Determine most direct route with each access between fuel source and generators within each community 	<p>High <i>(fuel reserve)</i></p> <p>Moderate <i>(wiring)</i></p> <p>Low <i>(alternative generators, fuel route)</i></p>	
<p>Management of Dams</p> <ol style="list-style-type: none"> Encourage owners of Marvin Morgan Dam (High Hazard) to develop an IEAP with inundation mapping. Alert property owners in potential dam failure inundation areas about the potential hazard 	<input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Fire <input type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	<p>Ongoing –</p> <p>Proposed Enhancements –</p> <ol style="list-style-type: none"> Encourage and assist owners in completing an IEAP Develop outreach materials for property owners in inundation areas 	<p>High <i>(IEAP)</i></p> <p>Low <i>(alert owners)</i></p>	
<p>Public Education & Outreach</p> <ol style="list-style-type: none"> Provide multi-lingual hazard preparedness literature (warning sirens, radio stations, go-kits, insurance protection, etc.) during Severe Weather Awareness Week, at public facilities and events and to populations within known hazard areas such as floodplains, downstream of a dam, near hazmat facilities, etc. <i>(2015 Measure)</i> 	<input checked="" type="checkbox"/> Drought <input checked="" type="checkbox"/> Earthquake <input checked="" type="checkbox"/> Extreme Temperature <input checked="" type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input checked="" type="checkbox"/> Hail/Thunder/Wind <input checked="" type="checkbox"/> Landslide/Subsidence <input checked="" type="checkbox"/> Tornado <input checked="" type="checkbox"/> Winter Storm/Ice <input checked="" type="checkbox"/> Dam Failure <input checked="" type="checkbox"/> HazMat Incident	<p>Ongoing –</p> <ol style="list-style-type: none"> Literature is provided at several public facilities and office locations as well as large public events throughout the County. Populations within the special flood hazard areas are educated through required flood insurance purchases and various website and literature pieces. <p>Proposed Enhancement –</p> <ol style="list-style-type: none"> Encourage the enhancement of the messages provided to various cultural groups and neighborhoods; Such as encourage voluntary purchase of federally-subsidized flood insurance; formalize a neighborhood or local campaign where community representatives provide residents with emergency information and protocols. 	<p>Moderate</p>	

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<p>Community Rating System</p> <p>1. Reduce flood insurance premiums through participation in the NFIP's CRS Program.</p> <p><i>(Will assist with NFIP compliance)</i></p>	<input type="checkbox"/> Drought <input type="checkbox"/> Earthquake <input type="checkbox"/> Extreme Temperature <input type="checkbox"/> Fire <input checked="" type="checkbox"/> Flood <input type="checkbox"/> Hail/Thunder/Wind <input type="checkbox"/> Landslide/Subsidence <input type="checkbox"/> Tornado <input type="checkbox"/> Winter Storm/Ice <input type="checkbox"/> Dam Failure <input type="checkbox"/> HazMat Incident	<p>Ongoing –</p> <p>1. None participate in the CRS program</p> <p>Proposed Enhancement –</p> <p>1. Participation from Noble County and Rome City with highest number of policies</p>	<p>Moderate</p>	