

Table G - 5. Mitigation Actions Identified for Implementation by the City of Kellogg (2017-2021) (From the Wabasha County Master Mitigation Action Chart)

| # | Hazard | Mitigation Strategy | City of Kellogg Mitigation Action | Status | Priority Ranking | Time-frame | Jurisdictions | Responsibility | County/City Comments on Planning Mechanisms for Implementation | Possible Funding |
|---|--------------------------------------|--|--|---------|------------------|------------|---|--|--|---------------------|
| 1 | All-Hazards | Education & Awareness Programs | Work to ensure that all Wabasha County residents are aware of and sign-up for the CodeRed emergency notification system. | Ongoing | High | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | WC Emergency Management and all City Emergency Managers | Wabasha County uses CodeRED as its emergency notification system to alert residents of severe weather and other hazards via phone call, text and email. City Emergency Managers promote local residents to sign up for CodeRED on a regular basis. | County Budget |
| 6 | Severe Winter Storms / Summer Storms | Education & Awareness Programs | Promote the use of NOAA weather radios as a key communications resource for residents, businesses, and facilities that house vulnerable populations (i.e., nursing homes, group homes, senior centers, and day care facilities). | Ongoing | High | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | WC Emergency Management and local city emergency managers | This is an Ongoing effort of emergency management programs at the county and local city level. | County/City budgets |
| 8 | Severe Winter Storms / Summer Storms | Mitigation Preparedness & Response Support | Identify critical facilities or infrastructure that do not have backup power in the event of a major power outage resulting from severe winter or summer storms. <i>(Critical facilities may include: police/fire departments, EOC, health care facilities, water & sewer treatment facilities, and other facilities deemed as critical, i.e. public schools and sheltering facilities).</i> | New | High | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | Wabasha County Emergency Management, City Admin & Public Works | Wabasha County and numerous jurisdictions have identified a need for backup power for government buildings or other critical facilities such as mass care shelters. | County/City budgets |

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| 9 | Severe Winter Storms / Summer Storms | Mitigation Preparedness & Response Support | Purchase and install generators or related equipment (e.g., generator hook-ups) for identified critical facilities that require backup power. | New | High | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | Wabasha County Emergency Management, City Admin & Public Works | Wabasha County, local city governments, and schools will evaluate feasibility to purchase and install generators for key facilities. | County/City Budgets, Possible FEMA HMA funding for Generators |
| 10 | Severe Winter Storms / Summer Storms | Structure and Infrastructure Projects | Work with public utilities to evaluate/implement mitigation projects such as hardening or burying of powerlines that are vulnerable to failure from severe ice storms or wind storms. | New | High | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | Wabasha County Highway Department, local city Public Works in collaboration with People's Energy Cooperative, Xcel Energy, and Lake City Municipal Utilities | Wabasha County Highway Department and local city public works/roads departments regularly work with the power utilities to address power line areas of concern. | Energy Coop Funding, Possible FEMA HMA funding for Infrastructure Retrofit |
| 13 | Severe Summer Storms | Structure and Infrastructure Projects | Identify areas where vulnerable populations are susceptible to tornadoes or extreme wind events (i.e. schools, campgrounds, or mobile home parks) and evaluate for construction or retrofit of safe rooms or storm shelters. | New | High | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | Wabasha County Emergency Management | This is a standing effort of the Wabasha County Emergency Management program. | County/City/ School budgets |

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| 14 | Severe Summer Storms | Structure and Infrastructure Projects | Implement construction or retrofit projects for safe rooms or storm shelters in identified vulnerable locations. | New | High | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | Wabasha County Emergency Management in coordination with participating city or school | Any community safe room projects that the County is involved in will be part of the Wabasha County Emergency Management program. | Possible FEMA HMA funding for Safe Room Construction |
| 17 | Extreme Temps (Heat & Cold) | Local Planning & Regulations | Evaluate and address community capabilities to provide temporary warming or cooling centers to the public during periods of extreme hot or cold temperatures. | Ongoing | High | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | Wabasha County Emergency Management in collaboration with city Emergency Managers | Wabasha County Emergency Management and local city emergency managers will work to meet needs at the local level, such as use of local churches or community centers with heating/cooling capacity to accommodate those who need assistance (i.e., elderly). | County/City budgets |

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| 21 | Flooding | Structure and Infrastructure Projects | Identify and implement local flood-reduction measures to reduce flood impacts to transportation infrastructure, (i.e., armoring with riprap along streams adjacent to roads & bridges and at culvert outlets, and upsizing of culverts where repeated over-topping occurs or debris potential). | New | High | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | Wabasha County Highway Department | The Highway Department is planning improvements at culvert locations in need of riprap, grouting riprap, and for some locations increases in the size of culverts or performance of ditch work to help during large events. Removal of sediment and clearing around existing culverts is also planned. Planning is based on risk (condition, culvert size). Additional (and perhaps upsized) riprap at bridges over larger streams is being considered. | Possible FEMA HMA funding for Local Flood Reduction Projects |
| 25 | Flooding | Local Planning & Regulations | Ensure all cities within Wabasha County have Shoreland and/or Floodplain Ordinances that meet state and federal regulations. | New | High | 2017-2021 | Wabasha County Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Wabasha, Zumbro Falls | County / local city Planning and Zoning departments | This is a required piece of participation in the NFIP program as well as standard local-level city ordinance development. | County/City budget |

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| 31 | Flooding | Local Planning & Regulations | Ensure that storm water management plans and improvement projects are identified and prioritized to address flood management for future high-impact rain events throughout the County. (i.e., conduct hydro-modeling, GIS map of where culverts must be re-sized). | Ongoing | New | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | WC Planning & Zoning, WC Highway Dept., WC SWCD and local city public works depts. | Wabasha County will work to ensure we identify needed storm water management plans and improvement projects for future high-impact rain events. Wabasha SWCD will work with County agencies to provide upland water retention structures on private land to protect down-slope infrastructure whenever possible. | County / SWCD / Watershed District Budgets and outside grant funding |
| 32 | Flooding | Structure and Infrastructure Projects | Implement storm water management structure and infrastructure projects to assist with flood management throughout the County. | Ongoing | New | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | WC Highway Dept., Public Works, and local city public works depts., Wabasha SWCD | Wabasha County will work toward implementing a storm water management structure. Wabasha SWCD will provide technical and financial assistance to private landowners to implement water retention and control when possible to mitigate flooding hazards. | County/City Budgets Possible FEMA HMA funding for Localized Flood Reduction Projects, State and Federal funds |

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| 33 | Flooding | Local Planning & Regulations | Ensure that wellhead protection plans are in place to address flooding that may lead to contaminated drinking water. | New | High | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | WC Planning & Zoning, WC SWCD and local city public works depts. | Cities work with the Minnesota Department of Health on the development or update of wellhead protection plans to ensure they meet State requirements. MDH tailors source water protection requirements and recommendations for public water suppliers (PWS). The Wabasha County SWCD has worked with municipalities to develop strategies to protect drinking water supply management areas and implement practices with landowners in those areas that will protect and improve water quality. | County/City Budgets, Federal and State funding sources |
| 35 | Drought | Education & Awareness Programs | Educate the public on water conservation measures and fire safety awareness during periods of drought. | Ongoing | High | 2017-2021 | Wabasha County Bellechester, Elgin, Hammond, Kellogg , Lake City, Mazeppa, Millville, Minneiska, Plainview, Wabasha, Zumbro Falls | Wabasha County Emergency Management in collaboration with SWCD, local cities, and MN DNR | Promoting water conservation during periods of drought is a standing effort of the County, local governments, and MN DNR. Wabasha SWCD provides education on water conservation through annual events and promotes practices that benefit water quality. | County/City Budgets, Federal and State funding sources |

Table G - 6. Additional Mitigation Actions Identified for the City of Kellogg for Specific Implementation by the City

| # | Hazard | Mitigation Strategy | City of Kellogg Mitigation Action | Status | Priority Ranking | Time-frame | Jurisdictions | Responsibility | City Comments on Planning Mechanisms for Implementation | Possible Funding |
|---|-------------------------------|--|--|--------|------------------|------------|-----------------|-------------------------|---|---|
| 1 | Flooding | Structure and Infrastructure Projects | Raise lift station in flood plain to reduce risk of failure during flood events. | New | High | 2017-2021 | City of Kellogg | City Public Works dept. | City of Kellogg and City Engineer will work together on design and cost. | Possible FEMA HMA funding for minor localized flood reduction projects |
| 2 | Flooding | Structure and Infrastructure Projects | Develop new dike protection for sewer ponds. | New | High | 2017-2021 | City of Kellogg | City Public Works dept. | City of Kellogg and City Engineer will work together on design and cost. | Possible FEMA HMA funding for minor localized flood reduction projects |
| 3 | Flooding | Structure and Infrastructure Projects | Repair storm water drainage system. Culvert under railroad track backs up and floods the yard and lift station. | New | High | 2017-2021 | City of Kellogg | City Public Works dept. | City of Kellogg and City Engineer will work together on design and cost. | Possible FEMA HMA funding for minor localized flood reduction projects |
| 4 | Severe Winter & Summer Storms | Mitigation Preparedness and Response Support | Purchase a portable generator to power the City well in event of a power outage. This generator could also be used to power the school if it is being used as a sheltering site. | New | High | 2017-2021 | City of Kellogg | City Public Works dept. | City EM will work with City Council and Public Works to discuss funding to purchase a generator for this project. | City funding |
| 5 | Extreme Cold | Mitigation Preparedness and Response Support | Identify and implement measures to prevent freeze-up of the city water tower. | New | High | 2017-2021 | City of Kellogg | City Public Works dept. | City EM will work with City Council and Public Works to discuss funding to purchase a generator for this project. | City funding |

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| 6 | Severe Summer Storms | Structure and Infrastructure Projects | Construct community safe rooms for the Fire Station and the EOC to protect life safety in the event of a tornado or straight-line winds. | New | High | 2017-2021 | City of Kellogg | City Emergency Manager | The city Emergency Manager will work with Wabasha County Emergency Management to evaluate feasibility of submitting a notice of interest to HSEM for these projects. Discussion will be held with the City Council on advancing any safe room construction project in the city. | Possible FEMA HMA funding for Safe Room Construction |
| 7 | Severe Summer Storms | Structure and Infrastructure Projects | Construct or retrofit community safe rooms for the local school, River Valley Academy and the Hiawatha School District to protect life safety in the event of a tornado or straight-line winds. | New | High | 2017-2021 | City of Kellogg | City Emergency Manager in collaboration with school district | The city Emergency Manager will work with Wabasha County Emergency Management to evaluate feasibility of submitting a notice of interest to HSEM for these projects. Discussion will be held with the City Council on advancing any safe room construction project in the city. | Possible FEMA HMA funding for Safe Room Construction |
| 8 | All Hazards | Mitigation Preparedness and Response Support | Ensure there is an emergency response system and response equipment in place to respond to a railroad hazardous materials incident as the trains run right through town. | New | High | 2017-2021 | City of Kellogg | City Emergency Manager | The City of Kellogg Emergency Manager will work with the local fire department and Wabasha County Emergency Management to address local concerns for railway safety. | County/City funding |
| 9 | Flooding | Mitigation Preparedness and Response Support | Purchase vacant property by lift station to make stormwater retention pond and put new, larger culvert under the road. | New | High | 2017-2021 | City of Kellogg | City of Kellogg Public Works | City of Kellogg and City Engineer will work together on design and cost. | City Funding, Possible MDH Clean Water Fund Grant |

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| 10 | All-Hazards | Mitigation Preparedness and Response Support | Ensure there is an emergency response system and response equipment in place to respond to agriculture chemical plant located next to the City of Kellogg. | New | High | 2017-2021 | City of Kellogg | City Emergency Manager | City of Kellogg Emergency Management will work with the local fire department and the county Emergency Management to address local concerns about the chemical plant. | City/County Budget |

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