

Location in Plan:

Table 5.5-2 and Table 5.5-3, beginning page 5-20

| # | Jurisdiction | Action/Project Name & Description | Hazards Mitigated | Lead Agency | Partner Agencies | Cost Estimate | Potential Funding Sources | Schedule/ Timeline | Priority/ Ranking | 2023 Status | 2023 Priority | 2023 Implementation Notes | 2024 Implementation Notes |
|-------|--------------------------------|--|-------------------|---------------------------------|-------------------------|---------------------|--------------------------------|--------------------|-------------------|-----------------------|---------------|--|--|
| 1.1.1 | Sweet Grass County | Encourage at risk landowners to participate in cost-share fuel reduction programs to reduce fuels round homes. | Wildfire | County Fire, DES | DNRC | >\$500,000 | USDA, DNRC | Ongoing | High | Not Started | High | | |
| 1.1.2 | Sweet Grass County | Support stakeholder groups and agencies for present and future fuels reduction projects. | Wildfire | County Fire, Commissioners, DES | DNRC | >\$500,000 | County Resources | Ongoing | High | Not Started | High | | |
| 1.1.3 | Sweet Grass County | Encourage the U.S. Forest Service to participate in the "Good Neighbor Authority" fuel reduction program to improve forest health and resiliency from large and destructive wildfires. | Wildfire | USFS, DNRC, County Fire | DES | >\$500,000 | County Resources | Ongoing | High | Annual Implementation | High | | |
| 1.2.1 | Sweet Grass County, Big Timber | Continually update subdivision regulations as new state wildfire standards become available. | Wildfire | County & City Planning | County Fire, DES | \$100,000-\$500,000 | County Resources | Ongoing | High | Not Started | High | | |
| 1.2.2 | Sweet Grass County | Implement a burn permit system which will restrict burning when unsafe conditions exist. | Wildfire | County Fire, Dispatch | Commissioners, DES | >\$500,000 | County Resources | Mid-Term | High | Not Started | High | | |
| 1.3.1 | Sweet Grass County | Provide FireWise outreach to private landowners on adapting to life with wildfire and taking action. | Wildfire | County DES, PIO | DNRC, Planning | >\$500,000 | County Resources | Ongoing | High | Not Started | High | | |
| 1.3.2 | Sweet Grass County, Big Timber | Provide timely messaging on wildfire smoke to protect vulnerable populations. | Wildfire | County Public Health | DES, PIO | >\$500,000 | County Resources | Ongoing | High | In Progress | High | | |
| 1.4.1 | Sweet Grass County | Encourage the Forest Service and private landowners to restore wildfire burn areas to prevent flood damage and water contamination. | Wildfire | USFS, DNRC | County Fire, DES | \$100,000-\$500,000 | USFS, DNRC, Private Landowners | Ongoing | High | Annual Implementation | High | | |
| 1.5.1 | Sweet Grass County | Continue widening roads and installing culverts along the Main Boulder Road to enhance wildfire evacuation and response. | Wildfire | County Roads Dept. | DES, PIO | \$100,000-\$500,000 | County Resources, Grants | Long-Term | High | In Progress | High | | County widened some roads on Main Boulder and East Boulder roads Summer 2024 (1-23-2025 CB) |
| 1.6.1 | Sweet Grass County | Update the Sweet Grass County Community Wildfire Protection Plan. | Wildfire | County Fire, DES | Planning, Commissioners | \$100,000-\$500,000 | DNRC | Long-Term | Medium | In Progress | Medium | SG County applied for DNRC grant to fund CWPP update. County was selected in Aug 2022 for an award amount of \$41,500. Anticipate 2 years to complete. (9-6-2022 CB) | 1) CWPP and WUI update completed Oct. 2024 (CB); 2) CWPP will be reviewed Jan 2025 to begin implementation of tasks (1-23-2025 CB) |
| 2.1.1 | Sweet Grass County | Install snow fencing in areas prone to blowing snow to enhance emergency response and rescue efforts. | Severe Weather | County Roads Dept. | GIS | \$100,000-\$500,000 | County Resources, Grants | Long-Term | Medium | Not Started | Medium | | County installed some snow fence Lower Sweet Grass Rd Summer 2024 (1-23-2025 CB) |
| 2.2.1 | Sweet Grass County, Big Timber | Provide more opportunities for public education in cooperation with the National Weather Service. | Severe Weather | County DES, NWS | | >\$500,000 | County Resources, NWS | Ongoing | High | In Progress | High | County DES and NWS continues to push out alerts and info. Info shared with LEPC members. (9-6-2022 CB) | NWS scheduled Weather Spotter Training 5-25-2023 in Big Timber. Public Notice pushed out (1-23-2025 CB) |
| 2.3.1 | Big Timber | Maintain trees that could impact city and private property. | Severe Weather | City Public Works, Tree Board | | \$100,000-\$500,000 | City Resources | Ongoing | High | In Progress | High | | City PW continues to monitor this and works with the Tree Committee and the public to maintain the trees. (1-23-2025 CB) |
| 2.4.1 | Sweet Grass County, Big Timber | Encourage voluntary water conservation by domestic, municipal, and industrial users. | Drought | City Water Dept., County DES | | >\$500,000 | County & City Resources | Ongoing | High | Not Started | High | | |
| 2.4.2 | Sweet Grass County | Support drought programs and follow recommendations of the Conservation District and watershed groups. | Drought | County Extension | | >\$500,000 | County Resources | Ongoing | High | Not Started | High | | |
| 3.1.1 | Sweet Grass County, Big Timber | Upgrade bridges, culverts, and roads to allow sufficient passage of flood waters. | Flooding | County Planning | County Roads Dept. | >\$500,000 | County Resources, FEMA | Long-Term | High | In Progress | High | | County PW replaced one bridge on East Boulder October 2024 (1-23-2025 CB) |

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| 3.2.1 | Sweet Grass County | Prioritize bridge, culvert, and road projects throughout the county. | Flooding | County Planning | County Roads Dept. | \$100,000-\$500,000 | County Resources, USGS | Mid-Term | Medium | In Progress | Medium | | Conservation District obtained a grant to contract with Pioneer Tech Services to study bridges and head gates in the Big Timber area circa December 2024 (1-23-2025 CB); Three bridges scheduled to be replaced this summer of 2025. (1-23-2025 CB) |
| 3.2.2 | Sweet Grass County | Obtain new floodplain mapping for creeks within the county. | Flooding | County Floodplain Administrator | DES | \$100,000-\$500,000 | County Resources, Grants | Mid-Term | High | In Progress | High | | Yellowstone floodplain maps updated circa 2015-2018. Other areas will be considered when funding available (2-24-2025 CB) |
| 3.2.3 | Sweet Grass County | Obtain additional river gauges to predict flooding. | Flooding | County Floodplain Administrator, Road Dept. | DES | >\$500,000 | County Resources, Grants | Mid-Term | High | Not Started | High | | River gauge already installed in upper Boulder River drainage (2-24-2025 CB) ** Suggestion made to install at least two snow-level gauges on the East side of the Crazy Mountains. There are some on the West side. (2-24-2025 CB) |
| 3.2.4 | Sweet Grass County | Investigate options for flood mitigation for the property below the park on the south end of Big Timber. | Flooding | County Planning | | \$100,000-\$500,000 | County Resources, FEMA | Long-Term | Medium | Not Started | Medium | | MT DOT removed rock from Boulder River and rip rapped East Bank above the H-10 Bridge East of Big Timber. (1-23-2025 CB) |
| 3.2.5 | Sweet Grass County | Look at a mechanism to reduce a major flood event at the County Fairgrounds. | Flooding | County Planning | | >\$500,000 | County Resources, USGS | Mid-Term | High | Not Started | High | | |
| 3.3.1 | Sweet Grass County | Promote participation in the National Flood Insurance Program. | Flooding | County Planning | | >\$500,000 | County Resources | Ongoing | High | In Progress | High | | County has participated in NFIP for the last 20 years (2-24-2025 CB) |
| 3.4.1 | Sweet Grass County, Big Timber | Encourage emergency response partners to participate in dam exercises. | Dam Failure | County DES, First Responders | | >\$500,000 | County Resources | Ongoing | High | In Progress | High | Tabletop exercise hosted by East Boulder Mine for their TSF held on May 13, 2021. Attended by Local, State and Fed partners. (9-6-2022 CB) | East Boulder Mine for Tailings Facility TTX Scheduled November 2023. Pending Another TTX - date TBD (1-23-2025 CB) |
| 3.5.1 | Sweet Grass County, Big Timber | Target potentially affected citizens with information about the dam failure risk in their area and include information on exercises. | Dam Failure | County DES, LEPC | PIO | >\$500,000 | County Resources, Sibanye-Stillwater | Ongoing | High | In Progress | High | Tabletop exercise hosted by East Boulder Mine for their TSF held on May 13, 2021. Attended by Local, State and Fed partners. (9-6-2022 CB) | East Boulder Mine for Tailings Facility TTX Scheduled November 2023. Pending new date (1-23-2025 CB) |

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| 3.5.2 | Sweet Grass County, Big Timber | Provide public outreach on compliance with the County Floodplain Ordinance and the floodplain permitting process. | Flooding | County Planning | PIO | >\$500,000 | County & City Resources | Ongoing | High | In Progress | High | | County planner and the Conservation District coordinate with each other during 310 permitting processes. (2-24-2025 CB) |
| 4.1.1 | Sweet Grass County, Big Timber | Prevent and control communicable disease through surveillance, testing and immunization. | Communicable Disease | County Public Health | PIO | >\$500,000 | County Resources | Ongoing | High | Annual Implementation | High | | on going (1-23-2025 CB) |
| 4.2.1 | Sweet Grass County, Big Timber | Monitor disease outbreaks in neighboring counties and states through the use of the Health Alert Network. | Communicable Disease | County Public Health | PIO | >\$500,000 | County Resources | Ongoing | High | Annual Implementation | High | | on going (1-23-2025 CB) |
| 4.2.2 | Sweet Grass County, Big Timber | Collaborate with community partners to train and exercise public health emergency response and mass vaccination plans. | Communicable Disease | County Public Health | Sheriff's Office, PIO | >\$500,000 | County Resources | Ongoing | High | Annual Implementation | High | | 1) DPHHS TTX testing response testing health plans across multiple jurisdictions 12-7-2023 (CB); 2) SRHCC Functional Ex - Response and Recovery - Hospital evac. On 2-15-2024 (1-23-2025 CB) |
| 4.3.1 | Sweet Grass County, Big Timber | Provide more opportunities for public education on Public Health topics. | Communicable Disease | County Public Health | PIO | >\$500,000 | County Resources | Ongoing | High | In Progress | High | | |
| 4.4.1 | Sweet Grass County | Plan for a disease outbreak in livestock. | Communicable Disease | County Extension, MT Dept. Livestock | Sheriff's Office, DES | \$100,000-\$500,000 | County Resources, MT Dept., Livestock | Ongoing | Medium | Not Started | Medium | | |
| 5.1.1 | Sweet Grass County, Big Timber | Conduct vulnerability assessments of critical cyber infrastructure systems. | Cyber Security | County Commissioners, City of Big Timber | DES, IT, Sheriff's Office | >\$500,000 | County & City Resources | Short-Term | High | Annual Implementation | High | 1) Sheriff's Office and dispatch has implemented multifactor authentication in Nov/Dec of 2021. (9-6-2022 CB); 2) County implemented training in 2021 through MACo for employees that do not have cybersecurity training. (9-6-2022 CB); 3) County implemented of-site cloud backup for County Annex server system in early 2022. (9-6-2022 CB); 4) County participates in annual cybersecurity assessment around Oct. to Dec. (9-6-2022 CB) | 1) County obtained third party Cybersecurity and physical Assessment by CISA on 12-14-2023. Requirement of election (CB); 2) County has continued annual training for employees. 3) County has developed draft procedures for cyber incident response plan (03-19-2024 CB); 4) County began IP vulnerability scanning via CISA services (Oct 2024 CB) 5) County completed self-assessment for cybersecurity risk (12-11-2024 CB); 6) County began asset inventory for CS Response and Recovery (1-19-2025 CB) |
| 5.1.2 | Sweet Grass County, Big Timber | Develop and implement a training protocol on network security and email-related threats. | Cyber Security | County & Big Timber HR | DES, IT, Sheriff's Office | >\$500,000 | County & City Resources | Ongoing | High | Annual Implementation | High | County implemented training in 2021 through MACo for employees that do not have cybersecurity training. (9-6-2022 CB) | County implemented DOT GOV email and continues annual training 2024 (1-23-2025 CB) |

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| 6.1.1 | Sweet Grass County, Big Timber | Continue preparedness and response planning efforts on haz-mat issues through the LEPC including working with private, local, regional, and state groups. | Haz-Mat Incidents | County DES | All departments and responders | >\$500,000 | County Resources | Ongoing | High | Annual Implementation | High | Local responders attended Pipeline exercises hosted by the MLGPA and other groups in January 2019 and 2022. (9-6-2022 CB) | TTX Hazmat Incident on Interstate - Evacuation and Response Plans tested 2-22-2024 (1-23-2025 CB) |
| 6.2.1 | Sweet Grass County, Big Timber | Ensure local emergency responders have adequate training to respond to haz-mat events consistent with local capabilities. | Haz-Mat Incidents | County DES, Sheriff's Dept. | All department heads | >\$500,000 | County Resources | Ongoing | High | Annual Implementation | High | Local responders attended Pipeline exercises hosted by the MLGPA and other groups in January 2019 and 2022. (9-6-2022 CB) | TTX Hazmat Incident on Interstate - Evacuation and Response Plans tested 2-22-2024; 2) Fire Dept hosted HAZMAT training Mar 2024 (1-23-2025 CB) |
| 6.2.2 | Sweet Grass County, Big Timber | Conduct tabletop exercise on evacuation procedures for homes near transportation networks that commonly carry hazardous materials. | Haz-Mat Incidents & Transportation Accidents | County DES | All department heads | >\$500,000 | County Resources | Ongoing | High | Annual Implementation | High | Local responders attended Pipeline exercises hosted by the MLGPA and other groups in January 2019 and 2022. (9-6-2022 CB) | TTX Hazmat Incident on Interstate - Evacuation and Response Plans tested 2-22-2024 (1-23-2025 CB) |
| 6.2.3 | Sweet Grass County, Big Timber | Invite Montana Rail Link to be part of the LEPC and participate in exercises once every two or three years. | Haz-Mat Incidents & Transportation Accidents | County DES, MRL | | \$100,000-\$500,000 | County Resources, MRI | Ongoing | High | Annual Implementation | High | 1) MRL has assigned 1 or 2 employees to attend the LEPC monthly meetings; 2) MRL has sent invitations to SGC first responders to attend exercises at various MLR locations free of charge. (9-6-2022 CB) | MRL no longer operates the railroad in this area. BNSF Rail has taken over much of this transportation Route. They have sent out invites to Sweet Grass to attend training with them. This will be sent out to responders (CB 1-23-2025) |
| 7.1.1 | Sweet Grass County | Implement preservation/stabilization measures of slide-prone areas. | Landslide | County Roads Dept. | DES, Planning | \$100,000-\$500,000 | County Resources | Ongoing | High | Not Started | High | | County PW installed a french drain on Wormser Loop to divert spring water away from damaging road and preventing bank erosion. (1-23-2025 CB) |
| 7.1.2 | Sweet Grass County | Encourage state and federal agencies to implement preservation and stabilization measures at slide-prone areas, as needed. | Landslide | County Roads Dept. | DES, Planning, Commissioners | \$100,000-\$500,000 | County Resources | Short-Term | High | Not Started | High | | |
| 8.1.1 | Sweet Grass County, Big Timber | Continue to conduct active shooter and lock down training for employees of critical facilities and at schools. | Terrorism | Sheriff's Dept., DES | Responders | >\$500,000 | County Resources | Ongoing | High | In Progress | High | | District Court sponsored an active shooter training class geared toward courtroom security. This was open to Park County and Sweet Grass County Oct 2024; 2) HS conducts annual drills and lock downs - Train fac with active shooter response. 3) Active shooter plan reviewed and updated annually Aug 2024 (1-23-2025 CB) |

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| 8.2.1 | Sweet Grass County, Big Timber | Conduct comprehensive vulnerability assessments of critical facilities and schools. | Terrorism | Sheriff's Dept. | | \$100,000-\$500,000 | County Resources | Ongoing | High | In Progress | High | 1) Staff from the Sheriff's Office and the Schools met to review the existing plans and to identify vulnerabilities. Updates to the school plans were made and distributed in 2021 and Aug.2022. (9-6-2022 CB) | School went to new locking system, cards and readers - no keys. Staff and students trained and tested via drills. (1-23-2025 CB) |
| 8.2.2 | Sweet Grass County, Big Timber | Review Crisis Action Plans in all schools and the hospital to ensure they include adequate security measures. | Terrorism | Sheriff's Dept., DES | | >\$500,000 | County Resources | Short-Term | High | In Progress | High | 1) Staff from the Sheriff's Office and the Schools met to review the existing plans and to identify vulnerabilities. Updates to the school plans were made and distributed in 2021 and Aug.2022. (9-6-2022 CB) | School went to new locking system, cards and readers - no keys. Staff and students trained and tested via drills. (1-23-2025 CB) |
| 8.3.1 | Sweet Grass County, Big Timber | Consider physical hardening of critical facilities (i.e. anti-vehicle barricades/interior barricades for locking doors/perimeter fencing/controlled access gates). | Terrorism | Sheriff's Dept. | | \$100,000-\$500,000 | City & County Resources, Schools | Ongoing | High | Not Started | High | | School went to new locking system, cards and readers - no keys. Staff and students trained and tested via drills. (1-23-2025 CB) |
| 9.1.1 | Sweet Grass County | Purchase additional handheld radios. | All Hazards | Sheriff's Dept. | DES | >\$500,000 | County Resources | Ongoing | High | In Progress | High | Sheriff's Office has purchased several radios in 2021 and Aug. 2022 to replace outdated units. (9-6-2022 CB) | Fire and Sheriff's Office purchased handhelds throughout the year. (1-23-2025 CB) |
| 9.1.2 | Sweet Grass County | Research locations with poor communications and install additional radio repeaters. | All Hazards | Sheriff's Dept. | DES, Responders | \$100,000-\$500,000 | County Resources, Grants | Long-Term | High | In Progress | High | | |
| 9.1.3 | Sweet Grass County | Improve communications equipment in the mobile command/mobile dispatch trailer. | All Hazards | Sheriff's Dept. | DES, Responders | >\$500,000 | County Resources, Grants | Mid-Term | Medium | Not Started | Medium | | |
| 9.1.4 | Big Timber | Update the siren warning system in Big Timber. | All Hazards | County DES | | \$100,000-\$500,000 | County/City Resources | Short-Term | High | Not Started | High | | Testing of siren confirmed that it has stopped working. Local electrician will repair during milder weather December 2024 (1-23-2025 CB) |
| 9.1.5 | Sweet Grass County, Big Timber | Obtain a portable electronic message board for alerting and advising the public. | All Hazards | County DES | | >\$500,000 | County/City Resources | Mid-Term | Medium | Completed | Medium | SGC Purchased a large mobile electronic message board in June of 2022 for use. (9-6-2022 CB) | |
| 9.1.6 | Sweet Grass County, Big Timber | Provide appropriate training for first responders and ranchers when appropriate. | All Hazards | Sheriff's DES | | >\$500,000 | County/City Resources | Ongoing | High | In Progress | High | | Fire department conducted fire training Spring 2024 for ranchers and other volunteers. (1-23-2025 CB) |
| 9.1.7 | Sweet Grass County, Big Timber | Obtain an updated Emergency Notification System for the county. | All Hazards | County DES | | \$100,000-\$500,000 | County/City Resources | Short-Term | High | Completed | High | SG County signed contract in July of 2022 with OnSolve CodeRED for an emergency notifications system. It has been in use since that time. (9-6-2022) | |

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| 9.1.8 | Sweet Grass County, Big Timber | Obtain both stationary and portable generators and associated equipment for backup power at critical facilities. | All Hazards | County DES | | \$100,000-\$500,000 | County/City Resources, Grants | Mid-Term | High | In Progress | High | SG County had generator installed at Civic Center in Big Timber during spring of 2022. This facility is the Emergency Shelter. (1-9-2023 CB) The generator for the County Annex is on going project. (1-9-2023 CB) | 1) Generator at County Annex installed and tested Sept 2024; 2) Grant to purchase and install Generator at Fire Hall in Big Timber on order Dec 2024 (1-23-2025 CB) |
| 9.1.9 | Sweet Grass County | Finalize Standard Operating Procedures for when Interstate-90 is closed. | All Hazards | County DES | All responders, MT DOT | \$100,000-\$500,000 | County Resources | Short-Term | Medium | In Progress | Medium | | State DOT installed drop gates and electronic reader board signs along I-90. Protocols are being developed currently Nov 2024 (1-23-2025 CB) |
| 9.1.10 | Sweet Grass County | Encourage property owners to post reflective address signs at the end of their driveways to enhance emergency response efforts. | All Hazards | County Planning Dept. | DES, Responders, PIO | \$100,000-\$500,000 | County Resources, Homeowners | Ongoing | High | In Progress | High | Several notices were sent out on FB to encourage people to update their address signs. No one has responded. (9-6-2022) | |
| 9.2.1 | Sweet Grass County, Big Timber | Expand the county website and social media presence to include hazard awareness and mitigation opportunities. | All Hazards | County DES | PIO | >\$500,000 | County/City Resources, Grants | Ongoing | High | Annual Implementation | High | | |
| 9.3.1 | Sweet Grass County | Use GIS data to better assist with mitigation. | All Hazards | County Planning Dept. | DES, Dispatch | \$100,000-\$500,000 | County Resources | Ongoing | Medium | Not Started | Medium | | WUI digital layer now available for use by GIS (2-24-2025 CB) |
| 9.3.2 | Sweet Grass County | Determine how to more efficiently update rural addressing for distribution to first responders. | All Hazards | County Planning Dept. | DES, Dispatch | \$100,000-\$500,000 | County Resources | Short-Term | Medium | In Progress | Medium | | County GIS updated ARC View program obtained and address points updated. New roads added. (2-24-2025 CB) |
| 9.3.3 | Sweet Grass County | Update the county growth policy to address all hazards and encourage growth in low hazard areas. | All Hazards | County DES, Planning Board | DES | >\$500,000 | County Resources, Grants | Mid-Term | High | In Progress | High | | |
| 9.3.4 | Sweet Grass County | Update countywide subdivision regulations to adopt higher minimum standards for subdivisions that improve their all-hazard disaster resistance. | All Hazards | County DES, Planning Board | | >\$500,000 | County Resources | Mid-Term | High | Not Started | High | | Current subdivision regulations restrict development in high risk areas and requires hazard mitigation plans for those in those high risk areas. (2-24-2025 CB) |