



# Storey County

Storey County belongs to the National Flood Insurance Program and participates in the Community Rating System (CRS) that is part of that program. As a requirement of the CRS, an annual progress report of the Storey County Hazard Mitigation Plan is required to the Board of County Commissioners, along with notifying the media and making the progress report available to the public.

Below is a copy of the Action Items associated with the Hazard Mitigation Plan which was adopted June 2, 2020. The language in italic red is the update on the action item through September 2021.

## SECTION SEVEN

## Mitigation Strategy

*Language in red is an updated response*

Table 7-2 - Mitigation Goals and Actions

Goals	Action	Action Status: New (N), Existing (E)	Description
<p><b>Goal 1:</b> <i>Adopt an all-hazard approach to risk reduction in the community that considers both the natural and human environment.</i></p>	I.A	E	Review and update ordinances and code every three years. <i>Ordinances and codes are updated as needed. The last Storey County Code update occurred in August 2021.</i>
	1.B	E	Enforce zoning ordinances to reduce public health risks from hazardous materials releases. <i>Ongoing. The zoning ordinance is enforced daily.</i>
	1.C	E	<ul style="list-style-type: none"> <li>similar office uses and activities</li> <li>2. Building maintenance and service</li> <li>3. Business offices and professional</li> <li>4. Convention and meeting facilities</li> </ul> <p>C. Personal services:</p> <ul style="list-style-type: none"> <li>1. Barbers, hair stylists, beautician</li> <li>tailors, massage establishments,</li> <li>2. Wedding chapels and travel agencies</li> <li>3. Childcare facilities.</li> </ul>
	1.D	N/E	Increase the resilience of critical infrastructure by increasing sources of back-up power and updating insurance coverage to account for retrofits/improvements. <i>Ongoing, looking for grant assistance for back up power sources and</i>

		<i>monitoring.</i>
1.E	E	Develop a voluntary building inspection program in which homes, businesses, schools, and critical facilities and infrastructure are inspected by a building official for non-structural elements that might break during an earthquake. In conjunction with this action, develop a non-structural retrofitting program to correct identified problems. <i>This has been ongoing as a courtesy upon request, development of an official program has not begun.</i>
1.F	E	Retrofit all critical assets within strong shaking areas that do not meet the most current IBC requirements for safety; with higher priority given to critical facilities, infrastructure, and government agencies located within identified historical buildings. <i>In the process of identifying all critical assets to evaluate for retrofit. Grant monies will most likely be needed.</i>
1.G	E	Perform study to determine appropriate method to retrofit buildings located in the Virginia City urban fire hazard zone (i.e. critical facilities, commercial business district, historic district and infrastructure). <i>An inventory of un-reinforced masonry structures within the Virginia City area was performed the summer of 2021.</i>

**Table 7-2 - Mitigation Goals and Actions**

Goals	Action	Action Status: New (N), Existing (E)	Description
	1.H	N / E	Work with utility companies to evaluate the seismic risk to their transmission pipelines and implement mitigation measures, such as automatic shut-off valves. Additionally, work with utility companies to evaluate the fuels risk around assets and implement mitigation measures, such as fuels reduction. <i>Ongoing</i>
	1.I	E	Install on all private and public buildings propane earthquake disconnect valves.
	1.J	E	Continue seismic retrofit on facades on B & C Streets.
	1.K	N / E	Implement fuels-reduction treatment along all boundaries of Six Mile Canyon to protect residences and community infrastructure. Continue to identify areas for fuel reduction and work to create buffers in areas that will assist in fighting fire by reducing the distance fire can spread and allowing additional time for evacuation and response measures. <i>A Fuels Reduction team has been implemented within the Storey County Fire Protection District in 2021. Staff is currently being recruited and the work plan is being developed.</i>
	1.L	N	Complete inventory of buildings with unreinforced masonry structures. <i>Completed August 2021.</i>
	1.M	N / E	Enhance current cyber security capabilities and develop a detailed plan to respond to a cyber incident (ransomware, virus, successful hacking attempt, election security) that determines the scope of the incident, affected platforms, and immediately works to restore systems from the most recent backup. <i>A cybersecurity response plan is nearing completion.</i>
	1.N	E	Install new flood facilities including upgrade of the existing storm drain system to current standards including culverts and channel improvements throughout Storey County.

		<p><i>Storey County, in cooperation with the Carson Water Subconservancy District, has applied for grant money from FEMA to develop a community-wide drainage study for the Virginia City and Six Mile Canyon area of Storey County. A notice of decision of the grant has not yet occurred. Storey County Public Works Department is implementing roadside drainage ditch upgrades and driveway culvert upgrades in the Mark Twain neighborhood as funding allows. Storey County has applied for a planning grant from FEMA for a drainage/flood study for the Lockwood community. No notice of decision has occurred.</i></p>
I.0	E	<p>Protect and enhance existing water conveyance structures, storage, and treatment facilities to reduce impact from flood (i.e. Lockwood, Virginia City). <i>See item E above.</i></p>

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Goals	Action	Action Status: New (N), Existing (E)	Description
	1.P	E	Within the Virginia Highlands, create manageable, shaded fuel breaks through the entire subdivision including Virginia City Highlands and Highland Ranches. <i>The Storey County Fire Protection District Fuels Reduction Program has recently been implemented. A work program and staffing are currently being developed.</i>
<p><b>Goal 2:</b>  <i>Establish a culture of risk reduction and mitigation in the County through effective communication, outreach, and education.</i></p>	2.A	N / E	Identify a temporary location within the County to establish County offices and conduct essential duties should catastrophic damage occur to the County Courthouse or other County buildings that requires the need to relocate offices for an extended period of time. Identify a plan for replacing damaged equipment (hardware, digital assets) to ensure continuity of operations. <i>A temporary location has been determined, a plan for replacement equipment is ongoing.</i>
	2.B	E	Continue and expand the Risk Watch outreach program that coordinates with the school district to teach children about the hazards in their community and what they can do to mitigate, prevent, and prepare for these hazard events.
	2.C	E	Continue and sustain a public outreach program that encourages consistent hazard mitigation content including all hazards addressed in this mitigation plan. <i>Ongoing.</i>
	2.D	E	Develop outreach program that will teach adults how to anchor parapets, signs, glass, machinery, shelving, fixtures, and other nonstructural elements or architectural detailing that might cause injury if items were to fall or break during an earthquake. <i>Currently gathering information and preparing packets for outreach program. Distribution plan being developed.</i>

	2.E	E	Use seasonal firefighters to conduct an outreach program to inform homeowners about the threat of wildfires; to explain how homeowners can reduce the wildfire hazards around their homes; to encourage homeowners to take the necessary action to improve the chance of their home surviving a wildfire; encourage homeowners to become involved with the Living With Fire program. <i>The Storey County Fire Protection District Fuels Reduction Program has recently been implemented. A work program and staffing are currently being developed.</i>
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Goals	Action	Action Status: New (N), Existing (E)	Description
	2.F	E	Initiate an outreach program to inform and instruct building contractors, County and State road maintenance agencies, and Storey County schools in best management practices for vegetation management in developments, around existing and new construction, and along road right-of-ways.
	2.G	E	Continue program using seasonal firefighters and community service groups to provide vegetation management services to elderly, disabled, or low-income persons to remove flammable vegetation around homes. <i>The Storey County Fire Protection District Fuels Reduction Program has recently been implemented. A work program and staffing are currently being developed.</i>
<p><b>Goal 3:</b>  <i>Build community capacity and relationships to foster successful planning and implementation of</i></p>	3.A	N / E	Partner with Lyon County to conduct a flood assessment of the area. Use the results of the study to continue improving drainage issues in the area. <i>The flood assessment was addressed in the Dayton Valley Area Master Drainage Plan, which was completed August 2019. Storey County is working with the Carson Water Subconservancy District and Lyon County to address future projects associated with the results of this study.</i>
	3.B	N / E	Increase local staff with emergency management and response capabilities. <i>Emergency Manager position previously part-time is moving to a full-time position by November 2021. Other staffing and training ongoing.</i>

<i>mitigation strategies.</i>	3.C	N	Build tourism into planning and implementation of mitigation strategies. Account for population fluctuations/increases as the result of tourism and major events. Establish plans to address mass injuries/causalities should an emergency occur during an event drawing concentrated populations to the County (i.e. parades on C Street, events at Fairgrounds). <b><i>Reviewing existing plans and updating for new events as they occur is ongoing.</i></b>
	3.D	E	Develop partnerships for a community based vegetation management program including chipping programs. <b><i>The Storey County Fire Protection District Fuels Reduction Program has recently been implemented. A work program and staffing are currently being developed.</i></b>
	3.E	N	Develop partnership with State to coordinate efforts and increase capabilities to reduce and respond to emergencies along USA Parkway and 1-80, such as evacuation routes, signage, communication tower, etc. Share data to better understand potential hazards occurring on roads within the County, especially in relation to the transport of hazardous materials.