

City of Schuyler Hazard Mitigation Plan

Potential Mitigation Alternatives

**Note: This list should be used in conjunction with the STAPLEE ranking worksheet in order to utilize the category headings. Alternatives/projects are listed in the same order as on the STAPLEE ranking worksheet.*

General (Applicable to most hazards)

1. Increase public awareness of hazard vulnerability
2. Improve the City Emergency Response Plan
3. Additional equipment and vehicles for emergency response
4. Develop an emergency evacuation plan
5. Improve communications plan and equipment for communicating with residents and businesses during and following emergencies
6. Improve local weather radio service
7. Purchase and issue weather radios for schools and critical facilities
8. Cable TV interrupt warning system
9. Telephone interrupt warning system/reverse 911
10. Review and upgrade, if necessary, infrastructure, security procedures, and equipment at critical facilities in the community
11. Community wide Capital Improvements Program
12. Identify, design, and develop storm shelters
13. Consistent backup of community digital information
14. Improve and maintain subdivision regulations
15. Evaluate and improve building standards and codes
16. Develop structured plans to manage volunteers during emergency situations
17. Add personnel for emergency response

Drought

18. Implement water conservation regulations
19. Implement water conservation public awareness programs
20. Implement an overall water management plan, to include drought monitoring, groundwater management, irrigation management, and water conservation strategies
21. Develop an emergency water supply

Flooding

22. Install flood protection levees adjacent to Shell Creek, west of Neiman Ditch.
23. Install flood protection levees adjacent to Lost Creek
24. Install flood protection levees adjacent to the Platte River
25. Develop a Watershed Master Plan for the Shell Creek watershed, including revised floodplain mapping for Shell Creek
26. Update the urban drainage master plan

27. Implement urban storm drain improvements
28. Improve capacity and condition of urban and rural drainage ditches, including bridge and culvert structures.
29. Improve the capacity of the railroad bridge on Shell Creek
30. Develop and implement a storm drain maintenance plan
31. Pave gravel roads within the floodplain
32. Improve drainage pathways for flow of tributary drainage to the Platte River
33. Install a dam and reservoir along Shell Creek, downstream of the confluence with Loeske and Taylor Creeks.
34. Remove abandoned railroad embankment adjacent to the Platte River
35. Install detention structures to attenuate urban storm drainage flooding
36. Develop a plan for installing sandbags during flooding events
37. Develop an ice jam removal plan
38. Install flood water storage facilities in the Shell Creek floodplain
39. Acquire and remove floodprone buildings from flood hazard areas
40. Flood proof existing buildings in flood hazard areas
41. Develop a comprehensive flood warning system and procedures in both English and Spanish
42. Develop and implement a flooding preparedness plan
43. Improve flooding awareness education and outreach
44. Develop additional floodplain development regulations
45. Maintain participation in the National Flood Insurance Program (NFIP)
46. Begin participation in the NFIP's Community Rating System (CRS) program

Tornado/High Winds/Severe Thunderstorm

47. Storm shelters that are above ground at campgrounds, mobile home parks and near places of commerce
48. Improve power distribution network
49. Review and update outdoor warning siren systems:
 - Lake Socorro (South of town)
 - Rural residential areas (North of town)
 - Other areas as needed
50. Radio warning system
51. Discourage the development of mobile home parks
52. Education on Tree Types and Planting
53. Tree Planting Program and Maintenance
54. City Ordinance for Trees
55. Pad-mounted transformers – elevating above the base flood elevation, or lowering them or burying them in non-flood, high-wind areas.
56. Additional warning systems
57. Education (Tornado Safety Week)

Severe Winter Storm

58. ATV's for transportation
59. Coordination with surrounding communities

60. Improve the maintenance of roadway snow routes
61. Revise emergency snow plan
62. Bury main power and service lines
63. Using multiple poles to support transformers.
64. Providing looped distribution service or other redundancies in the electrical service to critical facilities.
65. Removing large diameter communication lines from power poles.
66. Adding guy wire or other additional support to power lines.
67. Replacing damaged poles with higher-class pole or with a different material pole such as replacing wood poles with spun concrete.
68. Develop list of volunteers with ATV's and snowmobiles
69. Additional snow fences
70. Heaters and backup systems for emergency vehicles
71. Work with other utility providers to provide mutual aid through a regional power pool