

RANKING OF PROJECTS USING STAPLEE

DATE: _____
COMPLETED BY: _____
TITLE/POSITION: _____

INSTRUCTIONS ON RANKING – On the following page is a list of projects that can be completed in Schuyler to reduce the losses or damages from hazards. This list of projects has been completed based on your input from the last round of meetings and by researching projects that would be beneficial to your community. By listing these projects in the plan it does not mean Schuyler is required to do them. These are potential activities Schuyler could do in the future should funds become available. **Please complete the following on the worksheet:**

- 1) Add any additional projects that may be beneficial.
- 2) Place a **'yes'** or **'no'** in each of the columns referring to the STAPLEE criteria. (For example, if a project is 'socially' beneficial to your community then place a 'yes' under the *Social* column. If the project would have a negative impact 'politically' then place a 'no' under the *Political* column.)

DEFINITION OF STAPLEE – Mitigation alternatives or actions need to be prioritized based on certain considerations. FEMA recommends using the STAPLEE evaluation, as this process addresses all the major factors when weighing the costs to the benefits of implementing one action over another. Below is an explanation of the STAPLEE criteria taken from FEMA's Multi-Hazard Mitigation Planning Guidance (March 2004):

- S – Social:** Mitigation actions are acceptable to the community if they do not adversely affect a particular segment of the population, do not cause relocation of lower income people, and if they are compatible with the communities social and cultural values.
- T – Technical:** Mitigation actions are technically most effective if they provide long-term reduction of losses and have minimal secondary adverse impacts.
- A – Administrative:** Mitigation actions are easier to implement if the jurisdiction has the necessary staffing and funding.
- P – Political:** Mitigation actions can truly be successful if all stakeholders have been offered an opportunity to participate in the planning process and if there is public support of the action.
- L – Legal:** It is critical that the jurisdiction or implementing agency have the legal authority to implement and enforce a mitigation action.
- E – Economical:** Budget constraints can significantly deter the implementation of mitigations actions. Hence, it is important to evaluate whether an action is cost-effective, as determined by a cost-benefit review, and possible to fund.
- E – Environmental:** Sustainable mitigation actions that do not have an adverse effect on the environment, that comply with Federal, State, and local environmental regulations, and that are consistent with the community's environmental goals, have mitigation benefits while being environmentally sound.

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Is the project Beneficial? Place a 'Yes' or 'No' in each STAPLEE criteria column.

Schuyler Projects	STAPLEE						
	Social	Technical	Administrative	Political	Legal	Economical	Environmental
1) Increase public awareness of vulnerability to Hazards/education							
2) Improve the City Emergency Response Plan							
3) Additional equipment and vehicles for emergency response							
4) Develop an emergency evacuation plan							
5) Improve communication 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							

City of Schuyler

Schuyler Hazard Mitigation Plan
 "Mitigation Alternative" Public Meeting—July 16, 2008



Is the project Beneficial? Place a 'Yes' or 'No' in each STAPLEE criteria column.

Schuyler Projects	Social	Technical	Administrative	Political	Legal	Economic	Environmental
17) Add personnel for emergency response							
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							
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) Improve drainage pathways for flow of tributaries drainage to the Platte River							
32) Install a dam and reservoir along Shell Creek, downstream of the confluence with Loeske and Taylor Creeks							

Is the project Beneficial? Place a 'Yes' or 'No' in each STAPLEE criteria column.

Schuyler Projects	Social	Technical	Administrative	Political	Legal	Economic	Environmental
33) Remove abandoned railroad embankment adjacent to the Platte River							
34) Install detention structures to attenuate urban storm drainage flooding							
35) Develop a plan for installing sandbags during flooding events							
36) Develop an ice jam removal plan							
37) Install flood water storage facilities in the Shell Creek floodplain							
39) Flood proof existing buildings in flood hazard areas							
40) Acquire and remove floodprone buildings from 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							
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 system - Lake Socorro area, rural residential areas north of town, other areas as needed							

Is the project Beneficial? Place a 'Yes' or 'No' in each STAPLEE criteria column.

Schuyler Projects	Social	Technical	Administrative	Political	Legal	Economic	Environmental
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)							
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.							

Is the project Beneficial? Place a 'Yes' or 'No' in each STAPLEE criteria column.

Schuyler Projects	<i>Social</i>	<i>Technical</i>	<i>Administrative</i>	<i>Political</i>	<i>Legal</i>	<i>Economical</i>	<i>Environmental</i>
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							