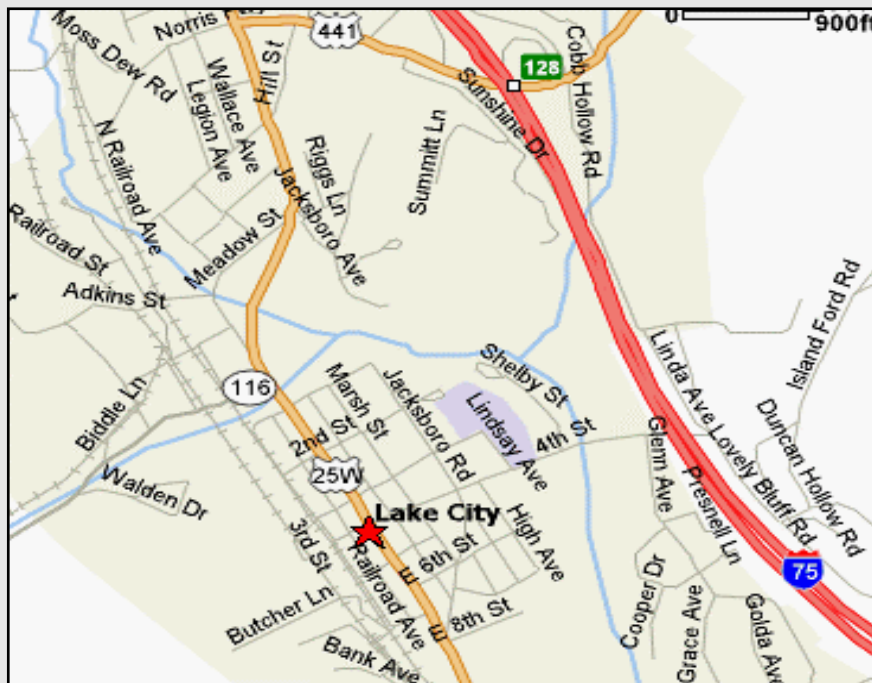


# LAKE CITY, TENNESSEE INDIVIDUAL MITIGATION ACTION PLAN



## ANDERSON COUNTY, TN. MULTI-JURISDICTIONAL HAZARD MITIGATION PLAN 2011 UPDATE

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## SECTION 1 LAKE CITY

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### 1.1 Description

Lake City is located at 36°13'27"N 84°9'21"W / 36.22417°N 84.15583°W / 36.22417; -84.15583 (36.224234, -84.155902)[3]. It is the northern terminus of U.S. Route 441. Lake City is situated at the northeastern boundary of Anderson County and extends into Campbell County.

According to the United States Census Bureau, the town has a total area of 1.6 square land miles (4.1 km). Elevation is 855 feet.

### 1.2 History

Lake City was previously named Coal Creek, and acquired that name from the creek that runs through town, not from the coal deposits on its watershed. The creek was probably named for settler John Cole in the early 1800s. Old records and deeds spell the name of this stream as "Cole" Creek, not "Coal" Creek.

In 1835, two young civil engineers, Henry H. Wiley and William S. McEwen, entered, surveyed, and secured grants on most all the mountain lands in Anderson County, as well as countless acres in Campbell and Morgan counties in Tennessee. This work was completed in approximately 1848.

McEwen and Wiley were not only landowners, but dreamed of a bright future for the area. Coal Creek had not yet developed and they envisioned a town springing up near the Briceville junction. They set aside 50 acres of land called "The Neutral Ground" to be used to start a new town called McEwensville. An early pioneer, John Reynold, previously owned the tract, located along both sides of Waldons Fork of Coal Creek.

In 1881, Gustave Murmann, a civil engineer, resurveyed the tract, establishing 90 parcels. Parcels were sold to Richard Chapman, (later owned by Joe Andrews' widow), T. Hale, T.J. Thomas, Abner Brooks, Mrs. Thomas Watts, David Thomas, and Joseph Richards. One parcel was sold to the colored M.E. Church with the stipulation that if a church ceased to exist there, the land would revert back to Coal Creek Mining.

The town of Coal Creek built up around the railroad and developed faster than McEwensville. In 1853, the town of Coal Creek had one log house; the post office was established in 1856. Calvin Queener opened the first store. Later, Rufus Edwards, Charles McCarsey, Heck and Petree, D.H. Blackburn, and John Bittle opened businesses. One business was known as the Black Diamond Store.

Farming and timber were the two main sources of income in early Coal Creek, Tennessee. The area was rich with coal deposits, but extracting and shipping it were two major drawbacks. Some coal mining was performed prior to the Civil War (1861-1865). Transportation for this process was performed via the river/streams system, or by wagons to Clinton, where the coal was loaded onto a train. The Knoxville Iron Company, co-founded by Welsh immigrants in 1868, began mining coal in the Coal Creek Valley in the late 1860s, initially hauling the coal from the mines via wagon, and later by railroad after the completion of a Knoxville and Kentucky Railroad line between Knoxville and Coal Creek in 1869. Upon the arrival of the railroad, a depot was



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constructed, and the official name was changed to “Coal Creek.” By 1873, except for the small homesteads and land grants given to military individuals, much of the land was, and still is, owned by the Coal Creek Mining and Manufacturing Company. In 1888, Coal Creek had a population of 3,000, and the Anderson County Savings Bank was chartered on August 23, 1888.

Coal Creek and the nearby town of Briceville were the site of a major lockout of coal miners in 1891, which resulted in the town of Coal Creek being occupied by the state militia for over a year after miners attempted to force an end to the use of unpaid convict labor in the mines. This labor struggle, known as the Coal Creek War, was eventually resolved in the coal miners' favor with the abolition of Tennessee's convict labor program. The Fraterville Mine disaster of 1902 occurred nearby, in the village of Fraterville. About 300 Coal Creek miners, many of them veterans of the Coal Creek War, perished in the 1902 (Fraterville) and 1911 (Cross Mountain) mine disasters.

Coal Creek was incorporated in 1909. The town's current name of Lake City was adopted in 1936 after the completion of Norris Dam formed an artificial lake above the dam. Lake City was incorporated in 1939.

### 1.3 Significant Characteristics

When the floodgates of Norris Dam were closed in 1936, Norris Lake was created, opening Lake City to the pleasure boat and sports fishing industries. As a part of the Tennessee Valley Authority project designed to put people back to work from the Great Depression, Norris Dam State Park was begun in 1933. The park encompasses approximately 4,038 acres. There are miles of trails for hikers to enjoy through forested valleys and ridges.

The State Park is located at 125 Village Green Circle, Lake City, TN. and is open seven days a week until 10:00 pm. The park office is open from 8:00 am to 4:30 pm 7 days a week.

Norris Lake has about seven hundred miles of shoreline. It features the most beautiful scenery in the TVA reservoir system. There is plenty of opportunity for guests of the park to boat, fish, and water ski. The park has a fully equipped marina, a boat ramp open to the general public, and rental pontoon boats for cruising around the lake.

There are two camping areas in the park, one with twenty-five sites and the second with fifty sites. They are equipped with grills, tables, water and electrical hook ups, a modern bathhouse, dump station, and Laundromat. There are also some primitive sites in the eastern section.

Good fishing can be found in the lake and the river below the dam, with brown and rainbow trout, bass, crappie, and walleye being the most abundant species.

In 2007, Lake City unveiled plans for a National Coal Miners' Museum to celebrate the region's local mining heritage and relate the history of the 1902 Fraterville and the 1911 Cross Mountain Mine disasters. A small museum is now open adjacent to the library, and efforts continue to raise funds for the proposed \$18 million proposed project.

### 1.4 Population and Demographics

It should be noted that although this is a 2011 Plan update, the city level results of the 2010 census were not published prior to the completion of this Plan.

As of the census of 2000, there were 1,888 people, 815 households, and 485 families residing in the town. The population density was 1,186.1 people per square mile (458.5/km). There were



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900 housing units at an average density of 565.4/sq mi (218.5/km). The racial makeup of the town was 98.78% White, 0.11% African American, 0.48% Native American, 0.16% Asian, 0.26% from other races, and 0.21% from two or more races. Hispanic or Latino of any race was 0.42% of the population.

There were 815 households, of which 27.9% had children under the age of 18 living with them, 38.7% were married couples living together, 16.9% had a female householder with no husband present, and 40.4% were non-families. 37.3% of all households were made up of individuals and 19.5% had someone living alone who was 65 years of age or older. The average household size was 2.17 and the average family size was 2.84.

In the town the population was spread out with 21.9% under the age of 18, 5.9% from 18 to 24, 24.8% from 25 to 44, 23.8% from 45 to 64, and 23.5% who were 65 years of age or older. The median age was 43 years. For every 100 females there were 78.4 males. For every 100 females age 18 and over, there were 71.3 males.

## 1.5 Economy

The census of 2000 reported that the median income for a household in the town was \$14,844, and the median income for a family was \$21,895. Males had a median income of \$25,469 versus \$17,115 for females. The per capita income for the town was \$10,615. About 31.8% of families and 32.0% of the population were below the poverty line, including 31.7% of those under age 18 and 23.7% of those age 65 or over.

### 2010 Census

Population: 1,781

### 2009 Estimates

Males: 815 (44.0%), Females: 1,041 (56.0%)

Median resident age: 42.9 years; Tennessee median age: 35.9 years

Median household income: \$19,252 (\$14,844 in 2000); Tennessee: \$41,725

Per capita income: \$14,958

Residents living in poverty: 28.4% (28.1% for White Non-Hispanic residents; 100.0% for other race residents; 0.0% for two or more races residents).

Median house/condo value: \$72,169 (\$52,600 in 2000); Tennessee: \$137,300.

| Year | Permits | Average Cost |
|------|---------|--------------|
| 2000 | 1       | \$45,000     |
| 2001 | 1       | \$47,000     |
| 2002 | 0       | \$0          |
| 2003 | 0       | \$0          |
| 2004 | 0       | \$0          |
| 2005 | 1       | \$75,000     |
| 2006 | 0       | \$0          |
| 2007 | 1       | \$45,000     |
| 2008 | 0       | \$0          |
| 2009 | 1       | \$150,000    |



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| <b>Table 1.5.2 Lake City Most Common Industries</b>                     |            |              |                |
|---|------------|--------------|----------------|
| <b>Industry</b>   | <b>All</b> | <b>Males</b> | <b>Females</b> |
| Accommodation and food services   | 7.7% (43)  | 6.6% (18)    | 8.8% (25)      |
| Administrative and support and waste management services                | 2.2% (12)  | 1.8% (5)     | 2.5% (7)       |
| Agriculture, forestry, fishing and hunting                              | 0.7% (4)   | 1.5% (4)     | 0.0% (0)       |
| Apparel   | 0.7% (4)   | 0.0% (0)     | 1.4% (4)       |
| Arts, entertainment, and recreation                                     | 0.5% (3)   | 1.1% (3)     | 0.0% (0)       |
| Beverage and tobacco products   | 1.3% (7)   | 2.6% (7)     | 0.0% (0)       |
| Broadcasting and telecommunications                                     | 1.3% (7)   | 2.6% (7)     | 0.0% (0)       |
| Chemicals   | 2.0% (11)  | 4.1% (11)    | 0.0% (0)       |
| Computer and electronic products  | 1.6% (9)   | 1.8% (5)     | 1.4% (4)       |
| Construction  | 10.3% (57) | 19.6% (53)   | 1.4% (4)       |
| Data processing, libraries, and other information services              | 0.7% (4)   | 0.0% (0)     | 1.4% (4)       |
| Department and other general merchandise stores                         | 2.7% (15)  | 1.5% (4)     | 3.9% (11)      |
| Educational services  | 10.3% (57) | 4.4% (12)    | 15.8% (45)     |
| Finance and insurance   | 0.5% (3)   | 0.0% (0)     | 1.1% (3)       |
| Food  | 2.0% (11)  | 1.8% (5)     | 2.1% (6)       |
| Food and beverage stores  | 4.1% (23)  | 3.7% (10)    | 4.6% (13)      |
| Furniture and home furnishing merchant wholesalers                      | 0.7% (4)   | 0.0% (0)     | 1.4% (4)       |
| Furniture and related product manufacturing                             | 1.6% (9)   | 1.8% (5)     | 1.4% (4)       |
| Gasoline stations   | 1.8% (10)  | 0.0% (0)     | 3.5% (10)      |
| Groceries and related products merchant wholesalers                     | 0.7% (4)   | 1.5% (4)     | 0.0% (0)       |
| Health care   | 7.0% (39)  | 0.0% (0)     | 13.7% (39)     |
| Jewelry, luggage, and leather goods stores                              | 0.7% (4)   | 1.5% (4)     | 0.0% (0)       |
| Metal and metal products  | 1.4% (8)   | 1.1% (3)     | 1.8% (5)       |
| Mining, quarrying, and oil and gas extraction                           | 0.5% (3)   | 1.1% (3)     | 0.0% (0)       |
| Miscellaneous manufacturing   | 2.7% (15)  | 2.6% (7)     | 2.8% (8)       |
| Miscellaneous nondurable goods merchant wholesalers                     | 0.9% (5)   | 1.8% (5)     | 0.0% (0)       |
| Motor vehicle and parts dealers   | 0.4% (2)   | 0.7% (2)     | 0.0% (0)       |
| Paper   | 0.4% (2)   | 0.7% (2)     | 0.0% (0)       |
| Personal and laundry services   | 0.9% (5)   | 0.0% (0)     | 1.8% (5)       |
| Pharmacies and drug stores  | 1.6% (9)   | 0.0% (0)     | 3.2% (9)       |
| Plastics and rubber products  | 1.8% (10)  | 3.7% (10)    | 0.0% (0)       |
| Private households  | 0.9% (5)   | 0.0% (0)     | 1.8% (5)       |
| Professional, scientific, and technical services                        | 5.6% (31)  | 2.6% (7)     | 8.4% (24)      |
| Public administration   | 1.8% (10)  | 3.7% (10)    | 0.0% (0)       |
| Publishing, and motion picture and sound recording industries           | 0.7% (4)   | 1.5% (4)     | 0.0% (0)       |
| Real estate and rental and leasing                                      | 1.6% (9)   | 2.6% (7)     | 0.7% (2)       |
| Recyclable material merchant wholesalers                                | 0.7% (4)   | 1.5% (4)     | 0.0% (0)       |
| Religious, grant making, civic, professional, and similar organizations | 1.8% (10)  | 2.2% (6)     | 1.4% (4)       |
| Social assistance   | 0.5% (3)   | 0.0% (0)     | 1.1% (3)       |
| Textile mills and textile products                                      | 2.2% (12)  | 0.0% (0)     | 4.2% (12)      |
| Transportation equipment  | 4.0% (22)  | 6.3% (17)    | 1.8% (5)       |





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| <b>Table 1.5.2 Lake City Most Common Industries</b>                           |            |              |                |
|---|------------|--------------|----------------|
| <b>Industry</b>   | <b>All</b> | <b>Males</b> | <b>Females</b> |
| Truck transportation  | 3.1% (17)  | 4.8% (13)    | 1.4% (4)       |
| U. S. Postal Service  | 0.7% (4)   | 0.0% (0)     | 1.4% (4)       |
| Used merchandise, gift, novelty, and souvenir, and other miscellaneous stores | 0.7% (4)   | 0.0% (0)     | 1.4% (4)       |
| Utilities   | 2.3% (13)  | 3.3% (9)     | 1.4% (4)       |
| Warehousing and storage   | 0.7% (4)   | 0.0% (0)     | 1.4% (4)       |
| Wood products   | 0.9% (5)   | 1.8% (5)     | 0.0% (0)       |

## 1.6 Infrastructure

Lake City is governed by a five-member city council that includes a Mayor. The city has its own Police, Fire, Public Works, and Parks and Recreation Departments.

| <b>Department</b>      | <b>FT/PT Employees</b> |
|------------------------|------------------------|
| Finance Administration | 4/0                    |
| Law Enforcement        | 10/1                   |
| Fire Service           | 3/0                    |
| Streets                | 1/0                    |
| Utilities              | 8/0                    |
| Parks/Recreation       | 2/0                    |

### Colleges/Universities Nearest To Lake City:

- The University Of Tennessee (25 miles; Knoxville, TN; Enrollment: 23,333)
- Pellissippi State Technical Community College (26 miles; Knoxville, TN; Enrollment: 5,196)
- Roane State Community College (19 miles; Oak Ridge, TN; Enrollment 4,350)
- Roane State Community College (33 miles; Harriman, TN; Enrollment: 3,490)
- Maryville College (41 miles; Maryville, TN; Enrollment 1,103)
- Lincoln Memorial University (46 miles; Harrogate, TN; Enrollment 4,445)
- Carson-Newman College (52 miles; Jefferson City, TN; Enrollment: 2,073)
- Walters State Community College (72 miles; Morristown, TN; Enrollment: 3,893)

### Public Elementary/Middle Schools in Lake City:

- Lake City Elementary (Students: 450; 402 Lindsay Street; Grades: K-5)
- Lake City Middle School (Students: 330; 132 South Main Street; Grades: 6-8)

Lake City enjoys two exits from Interstate 75. Exit 129 has experienced the typical build-up of traveler convenience commerce. It is anticipated that Exit 128 may see expansion of similar commercial establishments in the future. Having reached build-out, this small city of 1.6 square miles has limited land for municipal use and has no plans for future projects that would effect changes in land use.



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## 1.7 Capabilities

The Legal and Regulatory Capabilities survey documents authorities available to the jurisdiction and/or enabling legislation at the state level affecting planning and land management tools that support local hazard mitigation planning efforts. The identified planning and land management tools are typically used by states and local and tribal jurisdictions to implement hazard mitigation activities. If the jurisdiction does not have this capability or authority, another entity/jurisdiction may have this authority at a higher level of government (county, parish, or regional political entity), or the state may prohibit the local jurisdictions from having this authority.

**Table 1.7.1 Lake City Legal And Regulatory Capabilities**

| Regulatory Tools/Plans          | Regulatory Type:<br>Ordinance, Resolution, Codes, Plans Etc. | Date<br>Adopted | Local<br>Authority | State<br>Prohibited | Higher<br>Authority | Electronic copy<br>included |
|---------------------------------|--|-----------------|--------------------|---------------------|---------------------|-----------------------------|
| Building Codes                  | SBCCI – Title 12   | 2003            | Y                  | N                   | Y                   | N                           |
| Capital Improvements Plan       | Yearly with Budget   | Annually        | Y                  | N                   | N                   | N                           |
| Comprehensive Plan              |  |                 |                    |                     |                     |                             |
| Continuity of Operations Plan   |  |                 |                    |                     |                     |                             |
| Community Rating System (Flood) |  |                 |                    |                     |                     |                             |
| Economic Development Plan       |  |                 |                    |                     |                     |                             |
| Emergency Management Accredited |  |                 |                    |                     |                     |                             |
| Emergency Response Plan         | County Basic Emergency Operations Plan                       | 5/31/10         | Y                  | N                   | Y                   | Y                           |
| Flood Management Plan           | Ordinance 11-517   | 3/2009          | Y                  | N                   | Y                   | N                           |
| Growth Control Ordinance        | Anderson County Urban Growth Plan                            | 03/23/01        | Y                  | N                   | N                   | N                           |
| Hazard Mitigation Plan          | Anderson County Multi-Jurisdictional HMP                     | 9/2005          | Y                  | N                   | Y                   | Y                           |
| Hazard Setback Regulations      |  |                 |                    |                     |                     |                             |
| Hillside Ordinance              |  |                 |                    |                     |                     |                             |
| Historic Ordinance              |  |                 |                    |                     |                     |                             |
| NFIP Participant                | # 475436   | 02/26/71        | Y                  | N                   |                     | N                           |
| Post-disaster Ordinance         |  |                 |                    |                     |                     |                             |
| Post-disaster Recovery Plan     | County Basic Emergency Operations Plan                       | 05/31/10        | Y                  | N                   | Y                   | Y                           |
| Real Estate Disclosure          | Tennessee Real Estate Commission                             |                 |                    | N                   | Y                   | N                           |
| Shoreline Ordinance             |  |                 |                    |                     |                     |                             |
| Site Plan Requirements          | Ordinance – Title 14   | 2003            | Y                  | N                   | N                   | N                           |
| Storm Water/Pollution Plan      |  |                 |                    |                     |                     |                             |
| Subdivision Regulations         |  |                 |                    |                     |                     |                             |
| Wildfire Ordinance              | Ordinance 438  | 2008            | Y                  | N                   | N                   | N                           |
| Zoning Ordinances               | Ordinance – Title 14   | 2003            | Y                  | N                   | N                   | N                           |



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The Administrative and Technical Capabilities survey documents personnel employed by the jurisdiction and the public and private sector resources that may be accessed to mitigate hazards in the community. For smaller jurisdictions with limited capacities, no local staff resources may be available for many of the categories, and public resources at the next higher level of government may be able to provide technical assistance to the community.

For some hazard mitigation actions, federal agencies may provide technical assistance, such as the U.S. Department of Agriculture (USDA) Cooperative Extension Service, which has offices in most counties. The planning team in rural communities must be creative in identifying outside resources to augment limited local capabilities. This information will be used when evaluating alternative mitigation actions.

| <b>Table 1.7.2 Lake City Administrative And Technical Capabilities</b> |                                  |                                |                             |                              |                        |
|--|----------------------------------|--------------------------------|-----------------------------|------------------------------|------------------------|
| <b>C=County Provides #, S=State Provides #, F=Federal Provides #</b>   |                                  |                                |                             |                              |                        |
| <b>Position</b>  | <b>Staff/Personnel Resources</b> | <b>Department/Agency</b>       | <b>Number Fully Trained</b> | <b>Number Fully Equipped</b> | <b>Total Personnel</b> |
| Agriculture Resource   | Agent                            | State/County Extension Svc.    | S3                          | S3                           | S3                     |
| Building Inspector   | Professional                     | Zoning and Inspections         | C1                          | C1                           | C1                     |
| Emergency Communications   | 911 specialists                  | E-911                          | 6                           | 6                            | 6                      |
| Emergency Manager  | Certified Professional           | Emergency Management           | C1                          | C1                           | C1                     |
| Emergency Staff  | Professional(s)                  | Emergency Management           | C1                          | C1                           | C1                     |
| EMS  | Certified                        | Fire Department                | 10                          | 10                           | 10                     |
| EMT/Paramedic  | Certified                        | Fire/Rescue Service            | 4                           | 4                            | 4                      |
| Fire Personnel   | Professional(s)                  | Fire Department                | 14                          | 12                           | 14                     |
| Floodplain Manager   | Engineer(s)                      | Engineering/Public Works       | S1                          | S1                           | S1                     |
| GIS Specialist   | Professional(s)                  | Property Assessor/IT           | C1                          | C1                           | C1                     |
| Government Elected   | Elected Officials                | Mayor/Council                  | 5                           | 5                            | 5                      |
| Government Administration  | Employees                        | Jurisdiction Total             | 3                           | 3                            | 3                      |
| Grant writer   | Professional(s)                  | Jurisdiction                   | 0                           | 0                            | 0                      |
| Hazards Analysis Mgr.  | Certified                        | Emergency Management           | 0                           | 0                            | 0                      |
| Hazmat Team  | Certified                        | Fire/Sheriff Department        | C6                          | C6                           | C6                     |
| Information Systems  | Professional                     | Information Systems Department | 1                           | 1                            | 1                      |
| Land Use/Management  | Engineer(s)/Planners             | State/Local Planning           | S1                          | S1                           | S1                     |
| Law Enforcement  | Sheriff, Police, Trooper         | Sheriff/Police Department      | 7                           | 7                            | 7                      |
| Medical Practitioners  | Doctor(s)/Nurse(s)               | Medical Facilities             | 0                           | 0                            | 0                      |
| Public Health  | Professionals                    | Department of Public Health    | C12                         | C12                          | C12                    |
| Public Works   | Engineers/Staff                  | Public Works                   | 5                           | 5                            | 5                      |
| Public Utilities   | Professionals                    | Public Utilities               | 6                           | 6                            | 6                      |
| Search & Rescue  | Volunteers                       | Rescue Squad                   | C18                         | C18                          | C18                    |
| Surveyor   | Professional                     | Contracted                     | 1                           | 1                            | 1                      |
| Total Jurisdiction Employees   |                                  |                                |                             |                              | 39                     |



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The Fiscal Capabilities survey identifies whether the jurisdiction has access to or is eligible to use certain financial resources for hazard mitigation.

**Table 1.7.3 Lake City Fiscal Capabilities**

| Financial Resources   | Description  | Status        |                      |                   |         |
|-----------------------|--|---------------|----------------------|-------------------|---------|
|                       |  | Yes           | No                   | TBD               | Used    |
| Community Grants      | Community Development Block Grants (CDBG)                                | Y             |                      |                   | Y       |
|                       | Hazard Mitigation Planning Grants (HMPG) – disaster related              | Y             |                      |                   |         |
|                       | PDM for Disaster Resistant Universities                                  |               | N                    |                   |         |
|                       | PDM Grants for Communities   | Y             |                      |                   |         |
|                       | Department of Health Grants  | Y             |                      |                   |         |
|                       | Department of Justice Grants   | Y             |                      |                   | Y       |
|                       | Department of Agriculture Grants   | Y             |                      |                   |         |
|                       | Department of Energy Grants  | Y             |                      |                   |         |
|                       | Department of Education Grants   |               | N                    |                   |         |
|                       | Fire Department Grants   | Y             |                      |                   | Y       |
|                       | Flood Management Grants (FMA)  | Y             |                      |                   |         |
|                       | Homeland Security Grant Program (HSGP)                                   | Y             |                      |                   |         |
|                       | Repetitive Flood Claims Grants (RFC)                                     | Y             |                      |                   |         |
|                       | Severe Repetitive Loss Grants (SRL)                                      | Y             |                      |                   |         |
|                       | Private foundation grants  | Y             |                      |                   |         |
|                       | Private business/industry grants   | Y             |                      |                   |         |
| Debt Procurement      | Incur debt based on special tax/revenue bonds                            | Y             |                      |                   |         |
| Debt Procurement      | Incur debt through private activity bonds (private/jurisdiction bonds)   |               | N                    |                   |         |
| Impact Fees           | Charge developer fees for new developments (impact fees)                 | Y             |                      |                   |         |
| Jurisdiction Bonds    | Incur debt via general obligation bonds (no guaranteed repayment source) | Y             |                      |                   |         |
| Project Funding       | Capital improvement budget   | Y             |                      |                   |         |
| Spending Restrictions | Able to withhold spending in hazard-prone areas (permits)                | Y             |                      |                   |         |
| Special Taxes         | Authority to levy taxes for specific purposes (i.e. sales tax)           | Y             |                      |                   | Y       |
| Utility Fees          | Collect fees for water, sewer, gas, cable or electric service            | Y             |                      |                   |         |
| Annual Revenue        | 1,148,170  | Annual Budget | 1,368,037            | Sales Tax Revenue | 516,000 |
| Public Structures     | Number 7   | Total Value   | 3,800,000            | Total Sq. Ft.     | 20,000  |
| Private Facilities    | Number of Business   | 59            | Number of Industries |                   | 4       |

## 1.8 Mitigation Goals and Objectives

The Mitigation Committee believes that each of the following goals, objectives, and action items is necessary to begin to address hazard issues in the City of Lake City. The following goal statements represent a broad target for the City of Lake City to achieve through the implementation of its own specific Mitigation Action Plan before the next Plan update.

| Table 1.8.1 Countywide Goals and Objectives   |  |
|---|--|
| Goals   | Objectives   |
| Goal 1: Improve the capability of Anderson County and participating jurisdictions to prepare for, respond to, and recover from all profiled hazards | Objective 1.1: Improve capabilities to evaluate and manage hazard incidents.<br>Objective 1.2: Improve dissemination of all hazards awareness, preparedness, and training information to citizens.<br>Objective 1.3: Improve warning, evacuation, and information capabilities.<br>Objective 1.4: Improve multi-jurisdictional, multi-agency response to all hazards<br>Objective 1.5: Improve capabilities to recover from all hazard incidents.                                      |
| Goal 2: Minimize the impact of hazardous materials spills and releases.   | Objective 2.1: Identify and establish requirements for fixed sites with reportable quantities of hazardous materials.<br>Objective 2.2: Educate citizens on response to hazardous materials incidents.<br>Objective 2.3 Improve responder safety and response to hazardous materials events.<br>Objective 2.4: Reduce effects to the environment from hazardous materials spills.<br>Objective 2.5: Reduce risk of citizen proximity to hazardous materials incidents.                 |
| Goal 3: Minimize the impact of severe weather incidents on citizens and property.   | Objective 3.1: Reduce the impact of drought.<br>Objective 3.2: Reduce the impact of extreme temperatures.<br>Objective 3.3: Reduce loss of life and property from high wind, hail, and lightning incidents caused by tropical storms, thunderstorms, and tornados.<br>Objective 3.4: Reduce the impact of ice and snow caused by severe winter storms.<br>Objective 3.5: Minimize utility loss during all severe weather incidents.  |
| Goal 4: Reduce the impact on citizens and property from flash and riverine flooding incidents caused by thunderstorms and tropical storms.          | Objective 4.1: Continue participation in and improve citizen awareness of the NFIP.<br>Objective 4.2: Apply for Community Rating System approval.<br>Objective 4.3: Identify and restrict development in flood prone areas.<br>Objective 4.4: Reduce flooding from streams and creeks.<br>Objective 4.5: Reduce repetitive roadway flooding.<br>Objective 4.6: Increase citizen awareness of flood hazard and safety.<br>Objective 4.7: Improve emergency response to flood incidents. |
| Goal 5: Reduce loss of life and property from urban fires.  | Objective 5.1: Increase citizen awareness of fire hazards, prevention, and safety.<br>Objective 5.2: Reduce the incidence and severity of structure fires.<br>Objective 5.3: Improve firefighter safety and urban fire response capabilities.<br>Objective 5.4: Improve water supply in rural areas.   |
| Goal 6: Minimize the impact of wildfires on citizens and property.  | Objective 6.1: Increase citizen awareness of and preparedness for wildfire incidents.<br>Objective 6.2: Enforce outdoor burn ban and permit requirements.<br>Objective 6.3: Improve firefighter safety and effectiveness in fighting wild land fires.<br>Objective 6.4: Reduce loss of structures in urban interface wildfire incidents.   |
| Goal 7: Protect the county's citizens and assets from domestic and international terrorism.   | Objective 7.1: Increase citizen awareness of and preparedness for terrorism incidents.<br>Objective 7.2: Reduce any loss of life resulting from terrorism events.<br>Objective 7.3: Improve terrorism response and emergency responder safety.   |
| Goal 8: Reduce loss of life and property from meth labs.  | Objective 8.1: Increase citizen awareness of meth lab hazards, recognition, and reporting.<br>Objective 8.2: Improve emergency responder safety at clandestine labs.   |



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|   |  |
|---|--|
| Goal 9: Minimize property damage and public risk from landslides.               | Objective 9.1: Identify areas prone to landslide.<br>Objective 9.2: Restrict development in areas prone to landslide.<br>Objective 9.3: Increase citizen awareness of landslide hazards.   |
| Goal 10: Minimize potential loss of life and economic impact from dam failure.  | Objective 10.1: Reduce loss of life from Norris Dam failure.<br>Objective 10.2: Reduce loss of life and property from failure of privately owned dams.<br>Objective 10.3: Reduce threat of private dam failure.  |
| Goal 11: Minimize damage to property from land subsidence.                      | Objective 11.1: Identify karst prone areas.<br>Objective 11.2: Improve citizen awareness of land subsidence hazards.   |
| Goal 12: Minimize damage and loss of life from earthquakes.                     | Objective 12.1: Evaluate the potential for a damaging earthquake in Anderson County.<br>Objective 12.2: Increase citizen awareness of earthquake hazards and pre-disaster mitigation strategies.   |
| Goal 13: Minimize the impact of bioterrorism and widespread health emergencies. | Objective 13.1: Increase citizen awareness of and preparedness for pandemics.<br>Objective 13.2: Improve response to bioterrorism incidents and pandemic emergencies.<br>Objective 13.3: Reduce the impact of pandemic health emergencies on business, agriculture, and emergency services agencies. |

## 1.9 Multi-Jurisdictional Mitigation Actions

Each jurisdiction participating in this Plan is responsible for implementing specific mitigation actions as prescribed in the adopted Mitigation Actions. In each Mitigation Action Plan, every proposed action is assigned to a specific local department or agency in order to delegate responsibility and accountability and increase the likelihood of subsequent implementation. This approach enables individual jurisdictions to update their unique mitigation strategy as needed without altering the broader focus of the countywide Plan. The separate adoption of locally specific actions also ensures that each jurisdiction is not held responsible for monitoring and implementing the actions of other jurisdictions involved in the planning process.

The mitigation actions proposed by each of the Anderson County jurisdictions participating under this Plan are contained in individual Mitigation Action Plans (MAPs). Each MAP has been designed to address the specific hazard risk and unique needs of the jurisdiction.

## 1.10 Mitigation Actions

The actions listed in the Lake City Mitigation Action Plan serve as an easily understood menu of mitigation policies and projects for local decision-makers who want to quickly review their jurisdiction's respective element of the countywide Plan. In preparing the individual MAPs, each jurisdiction considered its overall hazard risk and capability to mitigate identified hazards as recorded through the risk and capability assessment process and to meet the countywide mitigation goals and the unique needs of the community.

The Mitigation Action table contains the following information:

- Responsibility = the responsible department or agency.
- Funding Source = appropriate agency budget and private/public grants.
- Estimated Cost/Benefit = the dollar cost of implementing the action vs. the dollar benefit of having the action in place, i.e., Cost of \$1,000, Benefit of \$10,000 =(\$1,000/\$10,000). The cost/benefit estimates of action items are based on previous and/or expected expenditures and estimated cost avoidance or reduction in life or property loss.





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- The estimated completion date is an estimate of the completion year and may cross two budget years. In many cases the action item is completed annually or is ongoing.

The following Table shows the hazard and action item identifier for the Mitigation Action table.

| Table 1.10.1 Mitigation Action Item Identifier Table |                    |         |            |              |                           |      |           |          |                      |                 |           |                       |          |        |                    |           |                |            |               |               |
|--|--------------------|---------|------------|--------------|---------------------------|------|-----------|----------|----------------------|-----------------|-----------|-----------------------|----------|--------|--------------------|-----------|----------------|------------|---------------|---------------|
|  | All Hazards        | Drought | Earthquake | Extreme Temp | Flooding                  | Hail | High Wind | Ice/Snow | Land/Mudslide        | Land Subsidence | Lightning | Wildfire              | Pandemic | HAZMAT | Illegal Drugs      | Terrorism | Transportation | Urban Fire | Utility Power | Utility Water |
| Action Identifier and Application                    | AH                 | DR      | EX         | ET           | FL                        | HA   | HW        | IS       | LM                   | LS              | LG        | WF                    | PD       | HM     | IL                 | TR        | TN             | UF         | UP            | UW            |
|  | 1                  |         |            | 2            |                           |      |           | 3        |                      |                 | 4         |                       |          | a-z    |                    |           |                |            |               |               |
|  | Public Populations |         |            |              | 1 <sup>st</sup> Responder |      |           |          | Jurisdiction General |                 |           | Jurisdiction Specific |          |        | Sequence Character |           |                |            |               |               |

| Table 1.10.2 Lake City Mitigation Action Items   |   |                             |                   |                       |                        |
|--|---|-----------------------------|-------------------|-----------------------|------------------------|
| Hazard Goal & Action   | Action/Project Description  | Responsible Entity          | Funding Source    | Cost/Benefit Estimate | Date Complete Estimate |
| <b>Goal 1: Improve the capability of Anderson County and participating jurisdictions to prepare for, respond to, and recover from all profiled hazard incidents.</b> |   |                             |                   |                       |                        |
| <b>Objective 1.1: Improve capabilities to evaluate and manage hazard incidents.</b>  |   |                             |                   |                       |                        |
| 1.1a<br>AH 3   | Continue participation in annual Hazard Mitigation Planning Committee meetings to review progress and oversee implementation of the mitigation plan.  | Planning Committee Members  | Dept Budget       | 12,700/<br>25,000     | Ongoing                |
| 1.1d<br>AH 3   | Develop and annually update a list of vendor 24/7 contact information and pre-disaster MOUs.  | Purchasing Agent            | Dept Budget       | 12,500/<br>100,000    | FY 12-13               |
| 1.1k<br>AH 3   | Develop subdivision regulations, hazard setback, hillside, and post-disaster ordinances.  | City Council                | City Budget       | 3,000/<br>100,000     | FY 13-14               |
| 1.1l<br>AL 3   | Complete requirements to attain NWS Storm Ready Community status.   | City Planning               | Department Budget | 12,500/<br>100,000    | FY 14-15               |
| <b>Objective 1.2: Improve dissemination of all hazards awareness, preparedness, and training information to citizens.</b>  |   |                             |                   |                       |                        |
| 1.2a<br>AH1  | Develop and maintain a city web page with citizen information to include shelter locations; shelter-in-place, safe room, and flood insurance information; FEMA on-line course listing; and links to disaster preparedness websites. | IT Director, Fire Chief     | Dept Budget       | 10,000/<br>100,000    | FY 12-13               |
| 1.2b<br>AH 1   | Partner with volunteer and emergency response agencies to post on agency websites links to training available to citizens.  | IT Director                 | Dept Budget       | 500/<br>50,000        | Ongoing                |
| 1.2c<br>AH 1   | Publish in area newspapers notice of citizen training opportunities and availability of citizen awareness training links on website.  | Emergency Response Agencies | Dept Budget       | 500/<br>50,000        | Ongoing                |
| <b>Objective 1.3: Improve warning, evacuation, and information capabilities.</b>   |   |                             |                   |                       |                        |
| 1.3a<br>AH 1   | Seek grant funding to purchase and install warning sirens.  | Grants Director             | CDBG, City Budget | 250,000/<br>1,000,000 | FY 14-15               |



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**Table 1.10.2 Lake City Mitigation Action Items**

| <b>Hazard Goal &amp; Action</b>   | <b>Action/Project Description</b>   | <b>Responsible Entity</b> | <b>Funding Source</b>         | <b>Cost/<br/>Benefit<br/>Estimate</b> | <b>Date Complete<br/>Estimate</b> |
|---|---|---------------------------|-------------------------------|---------------------------------------|-----------------------------------|
| 1.3d<br>AH 1  | Seek grant funding to purchase and install an automated wide area rapid notification system.                                    | Grants Director           | CDBG, City Budget             | 20,000/<br>100,000                    | FY 14-15                          |
| 1.3e<br>AH 1  | Enact legislation to require NOAA weather radios in all schools, day care, industrial, and health care facilities.              | City Council              | State, Private Industry       | 3,000/<br>100,000                     | FY 14-15                          |
| 1.3f<br>AH 1  | Seek grant funding to provide NOAA weather radios to low-income residents.  | Grants Director           | Private Industry Contribution | 25,000/<br>1,000,000                  | FY 14-15                          |
| 1.3g<br>AH 3  | Update evacuation routes and procedures.  | Fire Chief                | Dept Budget                   | 5,000/<br>100,000                     | FY 14-15                          |
| <b>Objective 1.4: Improve multi-jurisdictional, multi-agency response to all hazard incidents.</b>                          |   |                           |                               |                                       |                                   |
| 1.4a<br>AH 3  | Complete BEOP assigned mitigation and preparedness activities.  | Response Agencies         | Dept Budget                   | 7,500/<br>250,000                     | Ongoing                           |
| 1.4b<br>AH 2  | Ensure all emergency response personnel are Incident Command System and National Incident Management System training compliant. | Fire Chief, Police Chief  | Dept Budget                   | 5,000/<br>100,000                     | Ongoing                           |
| 1.4f<br>AH 2  | Participate in annual exercises involving all emergency response agencies.  | Response Agencies         | Dept Budget                   | 12,500/<br>100,000                    | Ongoing                           |
| 1.4h<br>AH 2  | Publish notice of federal, state, and local training opportunities to all emergency response personnel.                         | Response Agencies         | Dept Budget                   | 500/<br>100,000                       | Ongoing                           |
| <b>Objective 1.5: Improve capabilities to recover from all hazard incidents.</b>  |   |                           |                               |                                       |                                   |
| 1.5a<br>AH 3  | Develop comprehensive, economic, and continuity of operations plans.  | City Mayor, City Council  | City Budget                   | 50,000<br>500,000                     | FY 15-16                          |
| 1.5b<br>AH 3  | Develop redundancy strategies to prevent loss of public records in the event of damage to critical facilities.                  | City Depts.               | Dept Budget                   | 25,000/<br>100,000                    | FY 15-16                          |
| 1.5d<br>AH 3  | Provide debris management training for public works.  | Public Works              | Dept Budget                   | 12,500/<br>2,000,000                  | FY 15-16                          |
| 1.5e<br>AH 3  | Develop a post-disaster recovery ordinance.   | City Council              | City Budget                   | 15,000/<br>1,000,000                  | FY 15-16                          |
| <b>Goal 2: Minimize the impact of hazardous materials spills and releases.</b>  |   |                           |                               |                                       |                                   |
| <b>Objective 2.1: Identify and establish requirements for fixed sites with reportable quantities of hazardous materials</b> |   |                           |                               |                                       |                                   |
| 2.1e<br>HM 3  | Enact legislation to require each Tier II site to install alert devices and develop a warning plan.                             | City Council, EMA         | TIER II Sites                 | 50,000/<br>100,000                    | FY 14-15                          |
| 2.1f<br>HM 3  | Create a GIS map database of Tier II sites to display ERG-established zones and evacuation perimeters.                          | GIS, Fire Chief           | Dept Budget                   | 7,500/<br>200,000                     | FY 12-13                          |
| <b>Objective 2.2: Educate citizens on response to hazardous materials incidents</b>   |   |                           |                               |                                       |                                   |
| 2.2a<br>HM 1  | Publish articles in area newspapers to instruct citizens on shelter-in-place.   | Fire Chief                | Dept Budget                   | 500/<br>100,000                       | Ongoing                           |
| 2.2b<br>HM 1  | Partner with LEPC and EMA to distribute hazardous materials awareness and preparedness literature at community events.          | Fire Chief, EMA, LEPC     | Dept Budget<br>LEPC           | 2,500/<br>100,000                     | Ongoing                           |





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| Table 1.10.2 Lake City Mitigation Action Items  |   |   |   |                           |                        |
|---|---|---|---|---------------------------|------------------------|
| Hazard Goal & Action  | Action/Project Description  | Responsible Entity                      | Funding Source                          | Cost/<br>Benefit Estimate | Date Complete Estimate |
| 2.2c<br>HM 1  | Partner with schools to present programs on shelter-in-place and environmental effects of hazardous materials.                                  | Fire Chief,<br>Board of Education       | Dept Budget                             | 5,000/<br>100,000         | Ongoing                |
| <b>Objective 2.3: Improve responder safety and countywide response to hazardous materials incidents</b> |   |   |   |                           |                        |
| 2.3a<br>HM 2  | Provide training for hazardous materials awareness, operations, TEPP, technician, and CBRNE levels as appropriate for all emergency responders. | Fire Chief,<br>Police Chief,<br>TEMA    | Dept Budget<br>Homeland Security Grants | 75,000/<br>1,000,000      | Ongoing                |
| 2.3d<br>HM 2  | Participate in annual hazardous materials tabletop exercises and drills involving all emergency response agencies.                              | City Response Agencies,<br>EMA,<br>LEPC | Dept Budget<br>LEPC Grant               | 25,000/<br>100,000        | Ongoing                |
| 2.3g<br>HM 3  | Continue to participate in DOE drills and exercises.  | City Response Agencies                  | Dept Budget                             | 7,500/<br>100,000         | Ongoing                |
| <b>Objective 2.4: Reduce effects to the environment from transportation hazardous materials spills.</b> |   |   |   |                           |                        |
| 2.4a<br>TN 2  | Provide training for firefighters in containing hazardous materials spills on roadways.   | Fire Chief                              | Dept Budget                             | 25,000/<br>100,000        | Ongoing                |
| 2.4b<br>TN 2  | Provide the fire department equipment to contain hazardous materials spills on roadways.  | Fire Chief                              | Dept Budget                             | 5,000/<br>500,000         | FY 12-13               |
| 2.4c<br>TN 1  | Partner with TN One-Call to distribute "call before you dig" literature to citizens at community events.  | Fire Chief,<br>TN One Call              | Dept Budget                             | 2,500/<br>100,000         | FY 12-13               |
| 2.4d<br>TN 2  | Provide fire department personnel CSX rail incident training.   | Fire Chief                              | Dept Budget                             | 20,000/<br>200,000        | FY 12-13               |
| <b>Objective 2.5: Reduce risk of citizen proximity to hazardous materials incidents.</b>                |   |   |   |                           |                        |
| 2.5a<br>HM 3  | Establish codes to prohibit construction of residential or public structures near fixed hazardous materials sites.                              | Codes Dept,<br>City Council             | City Budget                             | 3,000/<br>100,000         | FY 14-15               |
| 2.5b<br>TN 3  | Establish codes to prohibit construction of special needs population facilities near rail lines.  | Codes Dept,<br>City Council             | City Budget                             | 3,000/<br>100,000         | FY 14-15               |
| <b>Goal 3: Minimize the impact of severe weather incidents on citizens and property.</b>                |   |   |   |                           |                        |
| <b>Objective 3.1: Reduce the impact of drought.</b>   |   |   |   |                           |                        |
| 3.1a<br>DR 1  | Partner with EMA to distribute drought awareness and preparedness literature to citizens at community events.                                   | Community Development,<br>EMA           | Dept Budget                             | 2,500/<br>100,000         | Ongoing                |
| 3.1b<br>DR 3  | Enact legislation to restrict non-essential water usage during periods of drought.  | City Council                            | City Budget                             | 3,000/<br>100,000         | FY 13-14               |
| 3.1c<br>DR 3  | Maintain and update annually contact information for suppliers of potable water.  | Purchasing Dept                         | Dept Budget                             | 500/<br>100,000           | Ongoing                |
| <b>Objective 3.2: Reduce the impact of extreme temperatures.</b>  |   |   |   |                           |                        |
| 3.2a<br>ET 1  | Partner with EMA to distribute extreme heat and extreme cold awareness and preparedness literature to citizens at community events.             | Community Development,<br>EMA           | Dept Budget                             | 2,500/<br>100,000         | Ongoing                |
| 3.2b<br>ET 1  | Assist community agencies to establish heating/cooling centers for vulnerable populations.  | Community Development,<br>Health Dept   | Dept Budget                             | 3,000/<br>100,000         | FY 12-13               |



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**Table 1.10.2 Lake City Mitigation Action Items**

| Hazard Goal & Action   | Action/Project Description   | Responsible Entity                       | Funding Source             | Cost/<br>Benefit<br>Estimate | Date Complete Estimate |
|--|--|--|----------------------------|------------------------------|------------------------|
| 3.2c<br>ET 2   | Provide training for all city personnel subject to extreme heat and cold.  | Public Works,<br>Fire Chief              | Dept Budget                | 3,500/<br>100,000            | FY 12-13               |
| <b>Objective 3.3: Reduce the loss of life and property from high wind, hail, and lightning incidents caused by tropical storms, thunderstorms, and tornados.</b> |  |  |                            |                              |                        |
| 3.3a<br>HA 1   | Partner with EMA to distribute hail awareness and preparedness literature to citizens at community events.   | Community Development,<br>EMA            | Dept Budget                | 2,500/<br>100,000            | Ongoing                |
| 3.3d<br>HW 1   | Publish news articles and partner with EMA and Red Cross to distribute literature to educate the public on safe rooms and shelter-in-place.          | Community Development,<br>EMA, Red Cross | Dept Budget                | 2,500/<br>100,000            | Ongoing                |
| 3.3f<br>HW 3   | Continue to enforce building codes for new structures and structures undergoing renovation.  | Codes Dept                               | Dept Budget                | 15,000/<br>500,000           | Ongoing                |
| 3.3g<br>HW 3   | Continue to work with state inspectors to ensure anchor codes are met for newly-sited mobile homes.  | Codes Dept                               | Dept Budget                | 5,000/<br>100,000            | Ongoing                |
| 3.3h<br>HW 3   | Seek grant funding to assist low-income residents to anchor previously sited mobile homes.   | Codes Dept,<br>Grants Director           | CDBG,<br>ADFAC             | 100,000/<br>1,000,000        | FY 14-15               |
| 3.3i<br>HW 3   | Enact legislation to require mobile home parks to install ground anchors at each mobile home space.  | City Council                             | City Budget                | 3,000/<br>1,000,000          | FY 14-15               |
| 3.3j<br>HW 3   | Enact legislation to require new mobile home parks to construct storm shelters of adequate size to protect all residents during high wind incidents. | City Council                             | City Budget                | 3,000/<br>1,000,000          | FY 14-15               |
| 3.3k<br>HW 2   | Equip all fire/rescue vehicles with chain saws to ensure clearing of emergency routes following high wind incidents.                                 | Fire Chief                               | AFG Grants,<br>Dept Budget | 12,500/<br>100,000           | FY 13-14               |
| 3.3l<br>LG 1   | Partner with EMA and Red Cross to distribute lightning awareness and preparedness literature to citizens at community events.                        | Community Development,<br>EMA, Red Cross | Dept Budget                | 2,500/<br>100,000            | Ongoing                |
| 3.3m<br>LG 3   | Install lightning protection devices and grounding on critical facilities  | Public Works                             | Dept Budget                | 50,000/<br>2,500,000         | FY 14-15               |
| <b>Objective 3.4: Reduce the impact of ice and snow caused by severe winter storms.</b>  |  |  |                            |                              |                        |
| 3.4a<br>IS 1   | Partner with EMA and Red Cross to distribute severe winter storm awareness and preparedness literature to citizens at community events.              | Community Development,<br>EMA, Red Cross | Dept Budget                | 2,500/<br>100,000            | Ongoing                |
| 3.4c<br>IS 2   | Seek grant funding to equip all emergency response vehicles with on demand tire chains to ensure access to victims during ice and snow incidents.    | Fire Chief,<br>Police Chief              | AFG Grants,<br>Dept Budget | 150,000/<br>1,000,000        | FY 15-16               |
| 3.4d<br>IS 2   | Develop emergency services winter storm response protocols.  | Fire Chief,<br>Police Chief              | Dept Budget                | 2,500/<br>100,000            | FY 12-13               |
| <b>Objective 3.5: Minimize utility loss during all severe weather incidents</b>  |  |  |                            |                              |                        |



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| <b>Table 1.10.2 Lake City Mitigation Action Items</b>   |  |  |                       |                               |                               |
|---|--|--|-----------------------|-------------------------------|-------------------------------|
| <b>Hazard Goal &amp; Action</b>   | <b>Action/Project Description</b>  | <b>Responsible Entity</b>                      | <b>Funding Source</b> | <b>Cost/ Benefit Estimate</b> | <b>Date Complete Estimate</b> |
| 3.5a<br>UP 3  | Continue aggressive power line right-of-way clearing to reduce incidence of telephone and power lines downed by high wind or ice/snow incidents. | Electric Utilities, Public Works               | Dept Budget           | 50,000/<br>500,000            | Ongoing                       |
| 3.5b<br>UP 3  | Enact legislation to require buried lines in all new cluster developments.   | Codes Dept, City Council                       | City Budget           | 3,000/<br>500,000             | FY 15-16                      |
| 3.5c<br>UP 1  | Publish news articles and partner with EMA to distribute literature to increase citizen awareness of downed line prevention and safety.          | Community Development, Electric Utilities, EMA | Dept Budget           | 2,500/<br>100,000             | Ongoing                       |
| 3.5d<br>UP 2  | Provide downed line safety training to all emergency responders.   | Electric Utilities                             | Dept Budget           | 15,000/<br>200,000            | Ongoing                       |
| 3.5e<br>UP 3  | Seek grant funding to install generators or "pigtailed" in critical government facilities and fuel depots.                                       | Grants Director                                | CDBG, City Budget     | 100,000/<br>1,000,000         | FY 15-16                      |
| 3.5g<br>UW 3  | Seek grant funding to install water line insulation for low-income residents.  | Grants Director                                | CDBG, ADFAC           | 75,000/<br>500,000            | FY 15-16                      |
| <b>Goal 4: Reduce the impact of citizens and property from flash and riverine flooding incidents caused by thunderstorms and tropical storms.</b> |  |  |                       |                               |                               |
| <b>Objective 4.1: Continue participation in and improve citizen awareness of the National Flood Insurance Program.</b>                            |  |  |                       |                               |                               |
| 4.1a<br>FL 1  | Partner with EMA and Red Cross to publish news articles to advise citizens of the availability of flood insurance.                               | Community Development, EMA, Red Cross          | Dept Budget           | 500/<br>100,000               | Ongoing                       |
| 4.1b<br>FL 1  | Include information on flood insurance availability on city web page.  | Community Development, IT Director             | Dept Budget           | 500/<br>100,000               | FY 12-13                      |
| 4.1c<br>FL 1  | Partner with local insurance agents and EMA to provide flood insurance literature to be distributed to citizens at community events.             | Community Development, EMA, Local Insurers     | Dept Budget           | 2,500/<br>100,000             | Ongoing                       |
| <b>Objective 4.2: Apply for Community Rating System approval.</b>   |  |  |                       |                               |                               |
| 4.2a<br>FL 3  | Coordinate with EMA to apply to receive Community Rating System status.  | Community Development, EMA                     | Dept Budget           | 1,500/<br>300,000             | FY 14-15                      |
| <b>Objective 4.3: Identify and restrict development in flood prone areas.</b>   |  |  |                       |                               |                               |
| 4.3a<br>FL 3  | Continue to use updated FIRMs and GIS 100/500 year flood maps to restrict construction or placement of mobile homes within the flood plain.      | Codes & Zoning Depts.                          | Dept Budget           | 2,500/<br>100,000             | Ongoing                       |
| 4.3b<br>FL 3  | Evaluate methods to improve storm water systems in flood prone areas.  | Storm Water Coordinator                        | Dept Budget           | 12,500/<br>200,000            | FY 14-15                      |
| 4.3c<br>FL 3  | Evaluate the efficacy of construction of water flow and detention ponds in flood prone areas.  | Storm Water Coordinator                        | Dept Budget           | 12,500/<br>200,000            | FY 14-15                      |
| 4.3d<br>FL 3  | Continue to work with property owners to reduce run-off and erosion.   | Storm Water Coordinator                        | Dept Budget           | 12,500/<br>25,000             | Ongoing                       |



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| Table 1.10.2 Lake City Mitigation Action Items                               |   |  |  |                              |                        |
|--|---|--|--|------------------------------|------------------------|
| Hazard Goal & Action   | Action/Project Description  | Responsible Entity                                     | Funding Source   | Cost/<br>Benefit<br>Estimate | Date Complete Estimate |
| <b>Objective 4.4: Reduce flooding from streams and creeks.</b>               |   |  |  |                              |                        |
| 4.4a<br>FL 3   | Install larger culverts to permit clear stream flow.  | Public Works   | Dept Budget<br>TDOT  | 200,000/<br>500,000          | FY 14-15               |
| 4.4b<br>FL 3   | Provide regular maintenance to remove debris from flood prone streams and creeks.   | Public Works   | Dept Budget  | 150,000/<br>300,000          | Ongoing                |
| 4.4c<br>FL 4   | Evaluate the realignment of bridges to remove abutment obstructions to the natural Coal Creek stream channel to reduce flooding in Lake City. | Public Works,<br>Coal Creek<br>Watershed<br>Foundation | Dept<br>Budget Coal<br>Creek<br>Foundation,<br>Corps of<br>Engineers | 12,500/<br>300,000           | FY 14-15               |
| 4.4d<br>FL 4   | Seek grant funding to dredge Coal Creek behind the city ball field to prevent flooding.   | Public Works,<br>Grants<br>Director                    | PDM Grant,<br>Corps of<br>Engineers,<br>City Budget                  | 5,000/<br>200,000            |                        |
| <b>Objective 4.5: Reduce repetitive roadway flooding.</b>                    |   |  |  |                              |                        |
| 4.5a<br>FL 3   | Identify and map repetitive flooding roadways and bridges.  | Public Works,<br>GIS, Highway<br>Dept                  | Dept Budget  | 12,500/<br>300,000           | FY 14-15               |
| 4.5b<br>FL 3   | Evaluate efficacy of raising grade level or expanding ditch depth and width along repetitive flooding roadways                                | Public Works   | Dept Budget  | 12,500/<br>500,000           | FY 14-15               |
| 4.5c<br>FL 1   | Partner with NWS to erect "Turn Around, Don't Drown" signage at flooding points.  | Public Works   | Dept Budget<br>Private<br>Sector<br>Grants                           | 5,000/<br>100,000            | FY 13-14               |
| 4.5d<br>FL 1   | Erect staff signage indicating water depth at flooding points.  | Public Works   | Dept Budget<br>HMGP<br>Grant   | 25,000/<br>100,000           | FY 13-14               |
| 4.5e<br>FL 1   | Install gates to block roadways and bridges during flooding.  | Public Works   | Dept Budget<br>HMGP<br>Grant   | 50,000/<br>100,000           | FY 13-14               |
| 4.5f<br>FL 4   | Evaluate methods to address flooding of Chestnut Street.  | Public Works   | Department<br>Budget   | 12,500/<br>200,000           | FY 14-15               |
| 4.5g<br>FL 4   | Seek grant funding to install larger storm drains to mitigate flooding of Railroad Street.  | Public Works   | Public<br>Works<br>HMGP<br>Grant                                     | 5,000/<br>200,000            | FY 13-14               |
| <b>Objective 4.6: Increase citizen awareness of flood hazard and safety.</b> |   |  |  |                              |                        |
| 4.6a<br>FL 1   | Partner with EMA and Red Cross to distribute flood awareness and preparedness literature at community events.                                 | Community<br>Development,<br>EMA, Red<br>Cross         | Dept Budget  | 2,500/<br>100,000            | Ongoing                |
| 4.6b<br>FL 1   | Work with citizens in affected areas to develop a community flood response plan.  | Public Works   | Dept Budget  | 5,000/<br>100,000            | FY 13-14               |



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| <b>Table 1.10.2 Lake City Mitigation Action Items</b>                                     |   |                                   |                              |                               |                               |
|---|---|-----------------------------------|------------------------------|-------------------------------|-------------------------------|
| <b>Hazard Goal &amp; Action</b>   | <b>Action/Project Description</b>   | <b>Responsible Entity</b>         | <b>Funding Source</b>        | <b>Cost/ Benefit Estimate</b> | <b>Date Complete Estimate</b> |
| <b>Objective 4.7: Improve emergency response to flood incidents.</b>                      |   |                                   |                              |                               |                               |
| 4.7a<br>FL 3  | Identify and map areas made inaccessible by bridge and/or roadway flooding.   | Public Works, GIS                 | Dept Budget                  | 5,000/<br>100,000             | FY 13-14                      |
| 4.7c<br>FL 2  | Train emergency response agencies in flood response safety.   | Response Agencies                 | Dept Budget                  | 10,000/<br>100,000            | FY 12-13                      |
| <b>Goal 5: Reduce loss of life and property from urban fires.</b>                         |   |                                   |                              |                               |                               |
| <b>Objective 5.1: Increase citizen awareness of fire hazards, prevention, and safety.</b> |   |                                   |                              |                               |                               |
| 5.1a<br>UF 1  | Coordinate with Anderson County Schools to present fire prevention programs at Lake City Elementary and Middle schools.                         | Fire Chief                        | Department Budget            | 5,000/<br>100,000             | FY 12-13                      |
| 5.1b<br>UF 1  | Seek grant funding to purchase materials and equipment to enhance fire prevention education programs.   | Fire Chief                        | Dept Budget<br>AFG Program   | 5,000/<br>100,000             | Ongoing                       |
| 5.1c<br>UF 1  | Partner with volunteer agencies to present fire prevention education programs to service clubs, senior citizens, and special needs populations. | Fire Chief,<br>Volunteer Agencies | Dept Budget                  | 5,000/<br>100,000             | Ongoing                       |
| 5.1d<br>UF1   | Partner with volunteer agencies to present programs on the use of fire extinguishers.   | Fire Chief,<br>Volunteer Agencies | Dept Budget                  | 5,000/<br>100,000             | Ongoing                       |
| 5.1e<br>UF 1  | Partner with EMA to distribute fire prevention education literature at community events.  | Fire Chief,<br>EMA                | Dept Budget                  | 2,500/<br>100,000             | Ongoing                       |
| 5.1f<br>UF 1  | Partner with the media to promote "change your clock, change your smoke alarm battery" twice yearly.  | Fire Chief                        | Dept Budget                  | 500/<br>100,000               | Ongoing                       |
| 5.1g<br>UF 1  | Seek grant funding to provide free smoke alarms to citizens.  | Fire Chief                        | Dept Budget<br>AFG Program   | 5,000/<br>100,000             | Ongoing                       |
| 5.1h<br>UF 1  | Partner with volunteer agencies to install smoke alarms for special needs populations.  | Fire Chief,<br>Volunteer Agencies | Dept Budget<br>Agency Budget | 2,500/<br>100,000             | Ongoing                       |
| <b>Objective 5.2: Reduce the incidence and severity of structure fires.</b>               |   |                                   |                              |                               |                               |
| 5.2b<br>UF 3  | Continue rigid enforcement of existing fire and electrical codes.   | Codes Dept                        | Dept Budget                  | 15,000/<br>100,000            | Ongoing                       |
| 5.2c<br>UF 3  | Enact legislation to require sprinkler systems in all new construction.   | City Council                      | City Budget                  | 3,000/<br>250,000             | FY 14-15                      |
| 5.2d<br>UF 3  | Develop and annually update emergency pre-plans for all public buildings, schools, businesses, and churches.                                    | Fire Chief                        | Dept Budget                  | 50,000/<br>2,000,000          | Ongoing                       |
| <b>Objective 5.3: Improve firefighter safety and response capabilities</b>                |   |                                   |                              |                               |                               |
| 5.3a<br>UF 2  | Provide training for state and national certifications for career firefighters.   | Fire Chief                        | Dept Budget                  | 25,000/<br>100,000            | Ongoing                       |
| 5.3b<br>UF 3  | Continue to apply for Assistance to Firefighter Grants (AFG).   | Fire Chief                        | Dept Budget                  | 5,000/<br>2,000,000           | Ongoing                       |
| 5.3c<br>UF 3  | Continue to provide matching funds to departments awarded Assistance to Firefighter Grants (AFG).   | City Council                      | City Budget                  | 50,000/<br>1,000,000          | Ongoing                       |
| <b>Goal 6: Minimize the impact of wildfires on citizens and property</b>                  |   |                                   |                              |                               |                               |





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| Table 1.10.2 Lake City Mitigation Action Items   |   |   |   |                              |                        |
|--|---|---|---|------------------------------|------------------------|
| Hazard Goal & Action   | Action/Project Description  | Responsible Entity                            | Funding Source                            | Cost/<br>Benefit<br>Estimate | Date Complete Estimate |
| <b>Objective 6.1: Increase citizen awareness and preparedness for wildfire incidents.</b>                    |   |   |   |                              |                        |
| 6.1a<br>WF 1   | Expand public fire prevention education to include programs on wildfire and arson.  | Fire Chief                                    | Dept Budget                               | 1,000/<br>100,000            | Ongoing                |
| 6.1b<br>WF 1   | Publish news articles to promote wildfire awareness.  | Fire Chief,<br>Forestry                       | Dept Budget                               | 500/<br>100,000              | Ongoing                |
| 6.1c<br>WF 1   | Publish outdoor burn permit requirements in area newspapers in October.   | Fire Chief,<br>Forestry                       | Dept Budget                               | 500/<br>100,000              | Ongoing                |
| 6.1d<br>WF 1   | Partner with utilities to include burn permit information in September utility bills.   | Forestry,<br>Fire Chief                       | Dept Budget                               | 5,000/<br>100,000            | FY 12-13               |
| 6.1e<br>WF 1   | Publish outdoor burn ban information in area newspapers, as required.   | Forestry,<br>Fire Chief                       | Dept Budget                               | 500/<br>100,000              | Ongoing                |
| 6.1f<br>WF 1   | Partner with the Division of Forestry and EMA to distribute USFS fuels reduction, wildfire awareness, and prevention literature at community events.      | Forestry,<br>Fire Chief,<br>EMA               | Dept Budget                               | 2,500/<br>100,000            | Ongoing                |
| <b>Objective 6.2: Enforce outdoor burn ban and permit requirements.</b>                                      |   |   |   |                              |                        |
| 6.2a<br>WF 3   | Enact legislation to make mandatory fines for non-permitted outdoor burning.  | City Council                                  | City Budget                               | 3,000/<br>100,000            | FY 14-15               |
| 6.2b<br>WF 3   | Require prosecution and restitution for arson.  | Forestry,<br>City Council                     | Dept Budget                               | 3,000/<br>100,000            | FY 14-15               |
| <b>Objective 6.3: Improve firefighter safety and effectiveness during wild land firefighting operations.</b> |   |   |   |                              |                        |
| 6.3a<br>WF 3   | Continue the partnership between the fire department and the Division of Forestry.  | Forestry,<br>Fire Chief                       | N/A                                       | 0/<br>50,000                 | Ongoing                |
| 6.3b<br>WF 3   | Provide annual wild land fire training for all fire department personnel.   | Forestry,<br>Fire Chief                       | Dept Budget                               | 25,000/<br>100,000           | Ongoing                |
| 6.3c<br>WF 3   | Seek grant funding to purchase wild land firefighting equipment.  | Fire Chief,<br>Grants<br>Director             | Dept Budget<br>AFG,<br>Forestry<br>Grants | 15,000/<br>100,000           | Ongoing                |
| <b>Objective 6.4: Reduce loss of structures in urban interface wildfire incidents.</b>                       |   |   |   |                              |                        |
| 6.4a<br>WF 3   | Enforce codes stipulating setback distances for all new structures not using fire-resistive materials.  | Codes Dept                                    | Dept Budget                               | 3,000/<br>150,000            | FY 14-15               |
| 6.4b<br>WF 3   | Partner with Forestry and EMA to publish news articles and distribute Firewise literature to increase citizen awareness of recommended setback distances. | Community<br>Development,<br>Forestry,<br>EMA | Dept Budget                               | 2,500/<br>150,000            | Ongoing                |
| <b>Goal 7: Protect the county's citizens and assets from domestic and international terrorism.</b>           |   |   |   |                              |                        |
| <b>Objective 7.1: Increase citizen awareness and preparedness for terrorism incidents.</b>                   |   |   |   |                              |                        |
| 7.1a<br>TR 1   | Partner with TEMA and EMA to distribute terrorism awareness and preparedness literature at community events.  | Community<br>Development,<br>TEMA,<br>EMA     | Dept Budget                               | 2,500/<br>100,000            | Ongoing                |
| <b>Objective 7.2: Decrease the possibility of and loss of life from attacks on public facilities.</b>        |   |   |   |                              |                        |
| 7.2a<br>TR 3   | Continue to restrict parking of vehicles in close proximity to critical facilities.   | Public Works                                  | Dept Budget                               | 10,000/<br>2,000,000         | Ongoing                |



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| <b>Table 1.10.2 Lake City Mitigation Action Items</b>   |  |                                       |                         |                              |                               |
|---|--|---------------------------------------|-------------------------|------------------------------|-------------------------------|
| <b>Hazard Goal &amp; Action</b>   | <b>Action/Project Description</b>  | <b>Responsible Entity</b>             | <b>Funding Source</b>   | <b>Cost/Benefit Estimate</b> | <b>Date Complete Estimate</b> |
| 7.2c<br>TR 3  | Assist critical facilities to develop emergency response plans.  | Fire Chief,<br>Critical Facilities    | Dept Budget             | 25,000/<br>250,000           | FY 12-13                      |
| 7.2d<br>TR 3  | Develop and practice quarterly an evacuation plan for all critical facilities.   | Fire Chief,<br>Critical Facilities    | Dept Budget             | 12,500/<br>250,000           | FY 13-14                      |
| <b>Objective 7.3: Improve terrorism response capabilities and emergency responder safety.</b>     |  |                                       |                         |                              |                               |
| 7.3a<br>TR 3  | Continue to participate in the Joint Terrorism Task Force.   | Police Chief                          | Dept Budget             | 12,500/<br>100,000           | Ongoing                       |
| 7.3b<br>TR 2  | Provide Emergency Response to Terrorism training for all emergency response agencies.                                      | TEMA,<br>Fire Chief,<br>Police Chief  | Dept Budget             | 15,000/<br>100,000           | Ongoing                       |
| <b>Goal 8: Reduce loss of life and property from meth labs.</b>                                   |  |                                       |                         |                              |                               |
| <b>Objective 8.1: Increase citizen awareness of meth lab hazards, recognition, and reporting.</b> |  |                                       |                         |                              |                               |
| 8.1a<br>IL 3  | Partner with the drug task force and EMA to distribute meth lab awareness information at community events.                 | Police Chief,<br>Drug Task Force, EMA | Dept Budget             | 2,500/<br>100,000            | Ongoing                       |
| 8.1b<br>IL 1  | Provide meth lab awareness training for citizens.  | Police Chief                          | Dept Budget             | 5,000/<br>100,000            | Ongoing                       |
| <b>Objective 8.2: Improve emergency responder safety at clandestine labs.</b>                     |  |                                       |                         |                              |                               |
| 8.2a<br>IL 4  | Continue participation in the state and federal drug task force.   | Police Chief                          | Dept Budget<br>DOJ, DEA | 5,000/<br>100,000            | Ongoing                       |
| 8.2b<br>IL 2  | Provide training and equipment for law enforcement and drug task force personnel.  | Police Chief                          | Dept Budget<br>DOJ, DEA | 30,000/<br>100,000           | Ongoing                       |
| 8.2c<br>IL 2  | Develop meth lab SOGs for emergency responders.  | Police Chief,<br>Fire Chief           | Dept Budget             | 5,000/<br>100,000            | FY 12-13                      |
| <b>Goal 9: Minimize property damage and public risk from landslides.</b>                          |  |                                       |                         |                              |                               |
| <b>Objective 9.1: Identify areas prone to landslide.</b>  |  |                                       |                         |                              |                               |
| 9.1a<br>LM 3  | Participate in a countywide study to determine and GIS map potential landslide areas.                                      | Public Works,<br>GIS                  | Dept Budget             | 12,500/<br>500,000           | FY 16-17                      |
| 9.1b<br>LM 3  | Conduct meetings between road and planning departments to prioritize potential landslide areas and methods of remediation. | Public Works,<br>Highway Dept         | Dept Budget             | 12,500/<br>500,000           | FY 16-17                      |
| <b>Objective 9.2: Restrict development in areas prone to landslide.</b>                           |  |                                       |                         |                              |                               |
| 9.2a<br>LM 3  | Revise zoning and building codes to restrict construction in landslide hazard areas.                                       | Codes Dept                            | Dept Budget             | 3,000/<br>500,000            | FY 16-17                      |
| <b>Objective 9.3: Increase citizen awareness of landslide hazards.</b>                            |  |                                       |                         |                              |                               |
| 9.3a<br>LM 1  | Partner with EMA to distribute landslide awareness and safety information at community events.                             | Community Development,<br>EMA         | Dept Budget             | 2,500/<br>100,000            | Ongoing                       |
| 9.3b<br>LM 1  | Erect signage to warn motorists of landslide danger at identified sites.   | Public Works                          | Dept Budget             | 3,000/<br>100,000            | FY 16-17                      |
| <b>Goal 10: Minimize potential loss of life and economic impact from dam failure.</b>             |  |                                       |                         |                              |                               |
| <b>Objective 10.1: Reduce loss of life from Norris Dam failure.</b>                               |  |                                       |                         |                              |                               |



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| <b>Table 1.10.2 Lake City Mitigation Action Items</b>   |  |  |                       |                               |                               |
|---|--|--|-----------------------|-------------------------------|-------------------------------|
| <b>Hazard Goal &amp; Action</b>   | <b>Action/Project Description</b>  | <b>Responsible Entity</b>                  | <b>Funding Source</b> | <b>Cost/ Benefit Estimate</b> | <b>Date Complete Estimate</b> |
| 10.1c<br>FL 1   | Partner with EMA to distribute dam failure awareness and preparedness literature at community events.                                | Community Development, EMA                 | Dept Budget           | 2,500/<br>100,000             | Ongoing                       |
| <b>Objective 10.3: Improve emergency preparedness and response to flooding from dam failure.</b>                |  |  |                       |                               |                               |
| 10.3a<br>FL 3   | Quantify extent of flooding in Lake City from Norris Dam failure.  | GIS  | Dept Budget           | 7,500/<br>200,000             | FY 16-17                      |
| 10.3b<br>FL 4   | Develop emergency plans for response to and recovery from Norris Dam failure.  | Fire Chief<br>Police Chief                 | Dept Budget           | 5,000/<br>1,000,000           | FY 16-17                      |
| <b>Goal 11: Minimize damage to property from land subsidence.</b>   |  |  |                       |                               |                               |
| <b>Objective 11.1: Identify karst prone areas.</b>  |  |  |                       |                               |                               |
| 11.1a<br>LS 3   | Participate in a UT geology department countywide study of karst areas and known sinkholes.  | Public Works, EMA                          | Dept Budget           | 12,500/<br>3,000,000          | FY 16-17                      |
| 11.1b<br>LS 3   | Create GIS maps showing karst areas.   | GIS  | Dept Budget           | 5,000/<br>3,000,000           | FY 16-17                      |
| <b>Objective 11.2: Improve citizen awareness of land subsidence hazards</b>                                     |  |  |                       |                               |                               |
| 11.2b<br>LS 3   | Require property owners to sign acknowledgement of subsidence risk notification before issuing building permits on high-risk sites.  | Planning & Zoning                          | Dept Budget           | 1,000/<br>100,000             | FY 16-17                      |
| 11.2c<br>LS 1   | Partner with EMA to distribute subsidence awareness literature at community events.  | Community Development, EMA                 | Dept Budget           | 2,500/<br>100,000             | Ongoing                       |
| <b>Goal 12: Minimize damage and loss of life from earthquakes.</b>  |  |  |                       |                               |                               |
| <b>Objective 12.1: Evaluate the potential for a damaging earthquake in Anderson County.</b>                     |  |  |                       |                               |                               |
| 12.1a<br>EQ 3   | Participate in a state Division of Geology study to quantify the potential for an earthquake greater than 6.0 in Anderson County.    | Public Works, GIS                          | Dept Budget           | 12,500/<br>100,000            | FY 16-17                      |
| 12.1b<br>EQ 3   | Participate in a UT geology department study to identify areas of greatest earthquake hazard.  | Public Works, GIS                          | Dept Budget           | 12,500/<br>100,000            | FY16-17                       |
| 12.1c<br>EQ 3   | Create a GIS mapping database to determine critical facilities and numbers of other structures that would be affected by earthquake. | GIS  | Dept Budget           | 5,000/<br>100,000             | FY 16-17                      |
| <b>Objective 12.2: Increase citizen awareness of earthquake hazards and pre-disaster mitigation strategies.</b> |  |  |                       |                               |                               |
| 12.2a<br>EQ 1   | Partner with EMA to distribute earthquake awareness and preparedness literature at community events.                                 | Community Development, EMA                 | Dept Budget           | 2,500/<br>100,000             | Ongoing                       |
| 12.2b<br>EQ 1   | Partner with EMA and local insurance agents to distribute earthquake insurance information at community events.                      | Community Development, EMA, Local Insurers | Dept Budget           | 2,500/<br>100,000             | Ongoing                       |
| <b>Goal 13: Minimize the impact of bioterrorism and widespread health emergencies.</b>                          |  |  |                       |                               |                               |
| <b>Objective 13.1: Increase citizen awareness and preparedness for pandemic health incidents.</b>               |  |  |                       |                               |                               |





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| Table 1.10.2 Lake City Mitigation Action Items  |  |   |                |                       |                        |
|---|--|---|----------------|-----------------------|------------------------|
| Hazard Goal & Action  | Action/Project Description   | Responsible Entity                        | Funding Source | Cost/Benefit Estimate | Date Complete Estimate |
| 13.1a<br>PD 1   | Partner with the Health Department and EMA to distribute pandemic awareness and preparedness literature at community events. | Community Development, Health Dept, EMA   | Dept Budget    | 2,500/<br>100,000     | Ongoing                |
| 13.1b<br>PD 1   | Include on the city web page the state Health Department link for pandemic planning information.                             | IT Director                               | N/A            | 0/<br>100,000         | FY 12-13               |
| <b>Objective 13.2: Improve response to bioterrorism incidents and pandemic health emergencies.</b>  |  |   |                |                       |                        |
| 13.2c<br>PD 3   | Continue to participate in Strategic National Stockpile drills and exercises.  | Emergency Response Agencies, Health Dept  | Dept Budget    | 5,000/<br>100,000     | Ongoing                |
| <b>Objective 13.3: Reduce the impact of bioterrorism and pandemic health emergencies on business, agriculture, and emergency services agencies.</b> |  |   |                |                       |                        |
| 13.3a<br>PD 3   | Assist businesses to develop pandemic emergency plans.   | Community Development, Health Dept        | Dept Budget    | 25,000/<br>200,000    | FY 13-14               |
| 13.3b<br>PD 3   | Develop pandemic emergency plans for emergency services and city departments.  | All City Depts. and Agencies, Health Dept | Dept Budget    | 12,500/<br>300,000    | FY 13-14               |

## 1.11 Mitigation Actions Prioritizing

Prioritizing mitigation actions for each jurisdiction was based on the “STAPLEE” process. “STAPLEE” uses multiple factors under the categories of Social, Technical, Administration, Legal, Economic and Environment. The original “STAPLEE” factors have been modified to enhance the prioritization process. The enhancements include adding life, property, and economic items to the Social category and implementing weighting factors to Social and Economic categories. A weighting factor of 3 is used for loss of life, property, and economic loss. A weighting factor of 2 is used for cost/benefit items. The actual table used for prioritization is at the end of this section.

| Table 1.11.1 “STAPLEE” Prioritizing Process |   |   |   |
|---|---|---|---|
| Issue                                       | 1   | 2   | 3   |
| <b>Social</b><br>High Community Acceptance  | Potential objection from public and/or very expensive | Unknown if objectionable, or costs may be significant | Not objectionable and low/no costs              |
| High Effect on saving lives                 | Life saving impact is low                             | Life saving impact is moderate                        | Life saving impact is significant               |
| High Effect on reducing property loss       | Effect on reducing property loss is low               | Effect on reducing property loss is moderate          | Effect on reducing property loss is significant |
| Effect on reducing economic loss            | Effect on reducing economic loss is low               | Effect on reducing economic loss is moderate          | Effect on reducing economic loss is significant |



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|                                   |   |  |  |
|-----------------------------------|---|--|--|
| <b>Technical</b>                  | Technology not currently existing   | Emerging or untested technology or unknown                             | Technology readily available   |
| Technical Feasible                |   |  |  |
| Is a Long-Term Solution           | No, is not effective in helping reduce losses in the long term                | Potentially or unknown   | Yes, is effective in helping reduce losses in the long term          |
| No Secondary Impacts              | Yes, likely to create secondary problems                                      | Potentially or unknown   | No, unlikely to create secondary problems                            |
| <b>Administrative</b>             |   |  |  |
| Little Staffing is required       | Need to hire a permanent employee(s)  | Potentially need to hire a temporary employee(s) or unknown.           | Do not have to hire  |
| Funding Potential is high         | No obvious source of funding available and action has significant cost impact | Limited or unknown funding available                                   | Little or no funding required or funding can be readily obtained     |
| Low Maintenance and Operations    | The action is likely to require high level of ongoing maintenance             | Unknown or action has the potential for moderate ongoing maintenance   | Action requires limited or no ongoing maintenance                    |
| <b>Political</b>                  |   |  |  |
| High Political Support            | Local Elected Official likely to be contentious                               | Local Elected Official may be controversial                            | Local Elected Official likely to be supportive                       |
| Local Champion available          | Unlikely there is a Local Elected Official to support                         | Uncertain if there is a Local Elected Official to champion             | A Local Elected Official is likely to support and champion           |
| High Public Support               | Public Political support is unlikely  | Public Political support is uncertain                                  | Public Political support is likely                                   |
| <b>Legal</b>                      |   |  |  |
| State Authority Exists            | No legal state authority exists   | Legal state authority is unclear, uncertain or adoption is in progress | Legal state authority exists   |
| Local Authority Exists            | No legal authority exists   | Legal authority is unclear, uncertain or adoption is in progress       | Legal authority exists   |
| Potential Legal Challenge is high | High likelihood of legal challenge by stakeholders                            | Moderate likelihood of legal challenge by stakeholders                 | Low likelihood of legal challenge by stakeholders                    |
| <b>Economic</b>                   |   |  |  |
| High Action Benefit               | Low benefit to the jurisdiction from the action                               | Moderate benefit to the jurisdiction from the action                   | High benefit to the jurisdiction from the action                     |
| Low Action Cost                   | High cost to implement action   | Moderate cost to implement action                                      | Low cost to implement action   |
| High Economic Contribution        | Low contribution to other community economic goals                            | Moderate contribution to other community economic goals                | High contribution to other community economic goals                  |
| Outside Funding is Required       | Likely for action to be delayed pending outside sources of funding            | Possible for action to be delayed pending outside sources of funding   | Unlikely for action to be delayed pending outside sources of funding |
| <b>Environmental</b>              |   |  |  |
| Low Land/Water Effect             | High likelihood of negative consequences to land/water                        | Moderate likelihood of negative consequences to land/water             | Low likelihood of negative consequences to land/water                |
| Low Endangered Species Effect     | High likelihood of potential negative consequences to endangered species      | Moderate likelihood of negative consequences to endangered species     | Low likelihood of negative consequences to endangered species        |
| Low Hazmat Waste Site affect      | High likelihood of potential affect on hazardous materials and waste sites    | Moderate likelihood of affect on hazardous materials and waste sites   | Low likelihood of affect on hazardous materials and waste sites      |
| Low Environment Effect            | No, project is not consistent with jurisdiction environmental goals           | Possible, project is consistent with jurisdiction environmental goals  | Yes, project is consistent with jurisdiction environmental goals     |



Anderson County, Tn.  
Multi-Jurisdictional  
Hazard Mitigation Plan  
2011 Update

|  |    |           |     |
|--|----|-----------|-----|
| Federal Law Compliant  | No | Uncertain | Yes |
| Prioritizing mitigation actions for each jurisdiction was based on the "STAPLEE" process. "STAPLEE" uses multiple factors under the categories of <u>S</u> ocial, <u>T</u> echnical, <u>A</u> dmistration, <u>L</u> egal, <u>E</u> conomic and <u>E</u> nvironment |    |           |     |

| Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table  |                           |                                  |                                   |                                   |                          |                         |                      |                          |                           |                            |                        |                      |                    |                  |                        |                                   |                             |                         |                                 |                              |                          |                |                               |                                 |                             |                               |
|---|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|----------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|
| Action/Project Description  | Social                    |                                  |                                   | Technical                         |                          |                         | Administrative       |                          |                           | Political                  |                        |                      | Legal              |                  |                        | Economic                          |                             |                         | Environmental                   |                              |                          | Prioritization |                               |                                 |                             |                               |
|   | High Community Acceptance | High Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | is Technical Feasibility | is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low |                | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High |
| Coordinate with Anderson County Schools to present fire prevention programs at Lake City Elementary and Middle schools.                         | 3                         | 9                                | 9                                 | 9                                 | 3                        | 2                       | 2                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3              | 3                             | 3                               | 3                           | 94                            |
| Partner with volunteer agencies to present fire prevention education programs to service clubs, senior citizens, and special needs populations. | 3                         | 9                                | 9                                 | 9                                 | 3                        | 2                       | 2                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3              | 3                             | 3                               | 3                           | 94                            |
| Partner with volunteer agencies to present programs on the use of fire extinguishers.   | 3                         | 9                                | 9                                 | 9                                 | 3                        | 2                       | 2                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3              | 3                             | 3                               | 3                           | 94                            |
| Partner with EMA to distribute fire prevention education literature at community events.  | 3                         | 9                                | 9                                 | 9                                 | 3                        | 2                       | 2                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3              | 3                             | 3                               | 3                           | 94                            |
| Seek grant funding to purchase materials and equipment to enhance fire prevention education programs.   | 3                         | 9                                | 9                                 | 9                                 | 3                        | 2                       | 2                    | 2                        | 2                         | 2                          | 2                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3              | 3                             | 3                               | 3                           | 92                            |
| Partner with the media to promote "change your clock, change your smoke alarm battery" twice yearly.  | 3                         | 6                                | 9                                 | 9                                 | 3                        | 2                       | 2                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3              | 3                             | 3                               | 3                           | 91                            |
| Quantify extent of flooding in Lake City from Norris Dam failure.   | 3                         | 6                                | 9                                 | 9                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 3                            | 3                        | 3              | 3                             | 3                               | 3                           | 88                            |
| Partner with volunteer agencies to install smoke alarms for special needs populations.  | 3                         | 6                                | 9                                 | 9                                 | 3                        | 3                       | 2                    | 2                        | 2                         | 2                          | 2                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 2                            | 3                        | 3              | 3                             | 3                               | 3                           | 87                            |
| Participate in a state Division of Geology study to quantify the potential for an earthquake greater than 6.0 in Anderson County.               | 3                         | 6                                | 6                                 | 9                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3              | 3                             | 3                               | 3                           | 87                            |

Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table

| Action/Project Description   | Social                    |                                  | Technical                         |                                   | Administrative           |                         | Political            |                          | Legal                     |                            | Economic               |                      | Environmental      |                  | Prioritization         |                                   |                             |                         |                                 |                              |                          |                               |                                 |                             |                               |                      |
|--|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|----------------------|
|  | High Community Acceptance | High Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | Is Technical Feasibility | Is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High | Total Priority Score |
| Partner with schools to present programs on shelter-in-place and environmental effects of hazardous materials.                                       | 3                         | 6                                | 3                                 | 6                                 | 3                        | 3                       | 3                    | 2                        | 3                         | 2                          | 3                      | 3                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 85                   |
| Partner with EMA to distribute dam failure awareness and preparedness literature at community events.  | 3                         | 6                                | 6                                 | 9                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 4                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 85                   |
| Participate in a UT geology department study to identify areas of greatest earthquake hazard.  | 3                         | 6                                | 6                                 | 9                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 85                   |
| Continue to enforce building codes for new structures and structures undergoing renovation.  | 2                         | 6                                | 9                                 | 9                                 | 3                        | 3                       | 2                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 1                                 | 6                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 84                   |
| Seek grant funding to provide free smoke alarms to citizens.   | 3                         | 6                                | 9                                 | 9                                 | 3                        | 3                       | 2                    | 2                        | 1                         | 2                          | 1                      | 1                    | 3                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 84                   |
| Continue rigid enforcement of existing fire and electrical codes.  | 2                         | 6                                | 9                                 | 9                                 | 3                        | 3                       | 2                    | 1                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 6                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 84                   |
| Include on the city web page the state Health Department link for pandemic planning information.   | 3                         | 9                                | 0                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 3                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 84                   |
| Expand public fire prevention education to include programs on wildfire and arson.   | 3                         | 3                                | 6                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 83                   |
| Publish news articles to promote wildfire awareness.   | 3                         | 3                                | 6                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 83                   |
| Publish outdoor burn permit requirements in area newspapers in October.  | 3                         | 3                                | 6                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 83                   |
| Publish outdoor burn ban information in area newspapers, as required.  | 3                         | 3                                | 6                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 83                   |
| Partner with the Division of Forestry and EMA to distribute USFS fuels reduction, wildfire awareness, and prevention literature at community events. | 3                         | 3                                | 6                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 83                   |

| Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table  |                           |                                  |                                   |                                   |                         |                      |                          |                           |                            |                        |                      |                    |                  |                        |                                   |                             |                         |                                 |                              |                          |                               |                                 |                             |                               |                      |    |
|---|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|----------------------|----|
| Action/Project Description  | Social                    |                                  |                                   | Technical                         |                         |                      | Administrative           |                           |                            | Political              |                      |                    | Legal            |                        | Economic                          |                             |                         | Environmental                   |                              |                          | Prioritization                |                                 |                             |                               |                      |    |
|   | High Community Acceptance | high Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High | Total Priority Score |    |
| Create a GIS mapping database to determine critical facilities and numbers of other structures that would be affected by earthquake.                      | 3                         | 6                                | 6                                 | 9                                 | 3                       | 2                    | 3                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 83                   |    |
| Continue participation in annual Hazard Mitigation Planning Committee meetings to review progress and oversee implementation of the mitigation plan.      | 2                         | 9                                | 9                                 | 9                                 | 3                       | 3                    | 2                        | 1                         | 3                          | 1                      | 2                    | 2                  | 2                | 3                      | 3                                 | 3                           | 6                       | 4                               | 3                            | 1                        | 2                             | 2                               | 2                           | 2                             | 3                    | 82 |
| Partner with LEPC and EMA to distribute hazardous materials awareness and preparedness literature at community events.                                    | 3                         | 6                                | 6                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 82                   |    |
| Continue to use updated FIRMs and GIS 100/500 year flood maps to restrict construction or placement of mobile homes within the flood plain.               | 2                         | 6                                | 6                                 | 9                                 | 3                       | 3                    | 2                        | 2                         | 2                          | 1                      | 2                    | 2                  | 2                | 3                      | 3                                 | 3                           | 6                       | 4                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 82                   |    |
| Partner with utilities to include burn permit information in September utility bills.   | 2                         | 3                                | 6                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 3                    | 2                  | 3                | 3                      | 3                                 | 3                           | 6                       | 6                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 82                   |    |
| Continue the partnership between the fire department and the Division of Forestry.  | 3                         | 3                                | 6                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 3                    | 3                  | 3                | 3                      | 3                                 | 4                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 82                   |    |
| Partner with Forestry and EMA to publish news articles and distribute Firewise literature to increase citizen awareness of recommended setback distances. | 3                         | 3                                | 6                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 3                    | 3                  | 3                | 3                      | 3                                 | 4                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 82                   |    |
| Partner with TEMA and EMA to distribute terrorism awareness and preparedness literature at community events.  | 3                         | 3                                | 6                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 3                    | 3                  | 3                | 3                      | 3                                 | 4                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 82                   |    |
| Partner with EMA to distribute earthquake awareness and preparedness literature at community events.  | 3                         | 0                                | 6                                 | 9                                 | 3                       | 3                    | 3                        | 2                         | 3                          | 2                      | 2                    | 2                  | 2                | 3                      | 3                                 | 3                           | 6                       | 6                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 82                   |    |
| Require prosecution and restitution for arson.  | 3                         | 3                                | 6                                 | 6                                 | 3                       | 3                    | 3                        | 2                         | 3                          | 2                      | 3                    | 3                  | 3                | 3                      | 3                                 | 4                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 81                   |    |

Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table

| Action/Project Description   | Social                    |                                  |                                   | Technical                         |                          |                         | Administrative       |                          |                           | Political                  |                        |                      | Legal              |                  |                        | Economic                          |                             |                         | Environmental                   |                              |                          | Prioritization                |                                 |                             |                               |                      |
|--|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|----------------------|
|  | High Community Acceptance | High Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | Is Technical Feasibility | Is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High | Total Priority Score |
| Continue to participate in Strategic National Stockpile drills and exercises.  | 3                         | 9                                | 0                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 3                    | 3                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 81                   |
| Assist businesses to develop pandemic emergency plans.   | 3                         | 6                                | 0                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 3                    | 3                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 81                   |
| Partner with volunteer and emergency response agencies to post on agency websites links to training available to citizens.           | 2                         | 6                                | 6                                 | 6                                 | 3                        | 3                       | 3                    | 3                        | 2                         | 3                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 80                   |
| Publish in area newspapers notice of citizen training opportunities and availability of citizen awareness training links on website. | 2                         | 6                                | 6                                 | 6                                 | 3                        | 3                       | 3                    | 3                        | 2                         | 3                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 80                   |
| Enact legislation to require NOAA weather radios in all schools, day care, industrial, and health care facilities.                   | 3                         | 9                                | 3                                 | 3                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 3                          | 2                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 80                   |
| Partner with EMA and Red Cross to distribute flood awareness and preparedness literature at community events.                        | 3                         | 6                                | 6                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 3                           | 3                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 80                   |
| Work with citizens in affected areas to develop a community flood response plan.   | 3                         | 6                                | 6                                 | 9                                 | 3                        | 2                       | 2                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 3                           | 2                       | 3                               | 3                            | 2                        | 3                             | 3                               | 3                           | 3                             | 80                   |
| Develop and annually update emergency pre-plans for all public buildings, schools, businesses, and churches.                         | 2                         | 6                                | 6                                 | 6                                 | 3                        | 2                       | 3                    | 1                        | 2                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 80                   |
| Provide training for state and national certifications for career firefighters.  | 3                         | 3                                | 6                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 80                   |
| Continue to apply for Assistance to Firefighter Grants (AFG).  | 3                         | 3                                | 6                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 80                   |
| Continue to provide matching funds to departments awarded Assistance to Firefighter Grants (AFG).                                    | 3                         | 3                                | 6                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 80                   |
| Complete BEOP assigned mitigation and preparedness activities.   | 2                         | 6                                | 6                                 | 6                                 | 3                        | 3                       | 3                    | 2                        | 3                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 79                   |



| Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table  |                           |                                  |                                   |                                   |                         |                      |                          |                           |                            |                        |                      |                    |                  |                        |                                   |                             |                         |                                 |                              |                          |                               |                                 |                             |                               |                      |    |
|---|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|----------------------|----|
| Action/Project Description  | Social                    |                                  |                                   | Technical                         |                         |                      | Administrative           |                           |                            | Political              |                      |                    | Legal            |                        | Economic                          |                             | Environmental           |                                 | Prioritization               |                          |                               |                                 |                             |                               |                      |    |
|   | High Community Acceptance | high Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High | Total Priority Score |    |
| Develop and maintain a city web page with citizen information to include shelter locations; shelter-in-place, safe room, and flood insurance information; FEMA on-line course listing; and links to disaster preparedness websites. | 3                         | 9                                | 6                                 | 6                                 | 3                       | 3                    | 3                        | 1                         | 2                          | 1                      | 2                    | 2                  | 2                | 3                      | 3                                 | 3                           | 4                       | 2                               | 3                            | 2                        | 3                             | 3                               | 3                           | 3                             | 3                    | 78 |
| Provide training for hazardous materials awareness, operations, TEPP, technician, and CBRNE levels as appropriate for all emergency responders.   | 3                         | 6                                | 6                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 3                    | 78 |
| Publish news articles and partner with EMA and Red Cross to distribute literature to educate the public on safe rooms and shelter-in-place.   | 3                         | 9                                | 0                                 | 3                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 3                      | 3                    | 2                  | 3                | 3                      | 3                                 | 4                           | 6                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 3                    | 78 |
| Enact legislation to require mobile home parks to install ground anchors at each mobile home space.   | 2                         | 6                                | 6                                 | 6                                 | 3                       | 3                    | 3                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 3                    | 78 |
| Partner with local insurance agents and EMA to provide flood insurance literature to be distributed to citizens at community events.  | 2                         | 0                                | 9                                 | 6                                 | 3                       | 3                    | 2                        | 2                         | 3                          | 2                      | 3                    | 3                  | 3                | 3                      | 3                                 | 4                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 3                    | 78 |
| Identify and map repetitive flooding roadways and bridges.  | 2                         | 6                                | 6                                 | 6                                 | 3                       | 3                    | 3                        | 2                         | 2                          | 2                      | 3                    | 2                  | 3                | 3                      | 3                                 | 3                           | 2                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 3                    | 78 |
| Assist critical facilities to develop emergency response plans.   | 3                         | 3                                | 3                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 3                    | 2                  | 3                | 3                      | 3                                 | 4                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 3                    | 78 |
| Develop and practice quarterly an evacuation plan for all critical facilities.  | 3                         | 3                                | 3                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 3                    | 2                  | 3                | 3                      | 3                                 | 4                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 3                    | 78 |
| Develop emergency plans for response to and recovery from Norris Dam failure.   | 3                         | 6                                | 9                                 | 9                                 | 3                       | 2                    | 3                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 3                    | 78 |
| Develop pandemic emergency plans for emergency services and city departments.   | 3                         | 6                                | 0                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 3                    | 3                  | 3                | 3                      | 3                                 | 6                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 3                    | 78 |
| Complete requirements to attain NWS Storm Ready Community status.   | 2                         | 6                                | 6                                 | 6                                 | 3                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 3                    | 77 |

Table 1.11.2 “STAPLEE” Mitigation Actions Prioritization Table

| Action/Project Description  | Social                    |                                  |                                   | Technical                         |                          |                         | Administrative       |                          |                           | Political                  |                        |                      | Legal              |                  |                        | Economic                          |                             |                         | Environmental                   |                              |                          | Prioritization                |                                 |                             |                               |                      |
|---|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|----------------------|
|   | High Community Acceptance | High Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | Is Technical Feasibility | Is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High | Total Priority Score |
| Continue to work with state inspectors to ensure anchor codes are met for newly-sited mobile homes.                                     | 2                         | 6                                | 6                                 | 5                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 77                   |
| Seek grant funding to assist low-income residents to anchor previously sited mobile homes.  | 2                         | 6                                | 6                                 | 5                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 77                   |
| Enact legislation to require sprinkler systems in all new construction.   | 2                         | 6                                | 9                                 | 9                                 | 3                        | 3                       | 2                    | 2                        | 2                         | 2                          | 1                      | 1                    | 3                  | 3                | 1                      | 6                                 | 2                           | 3                       | 2                               | 2                            | 2                        | 3                             | 3                               | 2                           | 3                             | 77                   |
| Partner with the Health Department and EMA to distribute pandemic awareness and preparedness literature at community events.            | 3                         | 9                                | 0                                 | 0                                 | 3                        | 3                       | 3                    | 2                        | 3                         | 2                          | 2                      | 3                    | 2                  | 3                | 3                      | 3                                 | 6                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 77                   |
| Develop hillside and post-disaster ordinances.  | 2                         | 6                                | 6                                 | 6                                 | 3                        | 3                       | 2                    | 2                        | 3                         | 1                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 4                           | 6                       | 3                               | 3                            | 2                        | 2                             | 3                               | 2                           | 3                             | 76                   |
| Seek grant funding to provide NOAA weather radios to low-income residents.  | 3                         | 9                                | 0                                 | 3                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 3                  | 3                | 3                      | 6                                 | 4                           | 2                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 75                   |
| Partner with TN One-Call to distribute “call before you dig” literature to citizens at community events.                                | 3                         | 3                                | 3                                 | 3                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 3                          | 3                      | 2                    | 2                  | 3                | 3                      | 2                                 | 6                           | 6                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 75                   |
| Publish news articles and partner with EMA to distribute literature to increase citizen awareness of downed line prevention and safety. | 2                         | 3                                | 3                                 | 3                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 3                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 4                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 75                   |
| Provide downed line safety training to all emergency responders.  | 2                         | 3                                | 3                                 | 3                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 3                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 4                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 75                   |
| Seek grant funding to install generators or “pigtailed” in critical government facilities and fuel depots.                              | 2                         | 3                                | 3                                 | 3                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 3                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 4                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 75                   |
| Partner with EMA and Red Cross to publish news articles to advise citizens of the availability of flood insurance.                      | 2                         | 0                                | 6                                 | 6                                 | 3                        | 3                       | 2                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 4                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 75                   |



| Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table   |                           |                                  |                                   |                                   |                         |                      |                          |                           |                            |                        |                      |                    |                  |                        |                                   |                             |                         |                                 |                              |                          |                               |                |                                 |                             |                               |
|--|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|----------------|---------------------------------|-----------------------------|-------------------------------|
| Action/Project Description   | Social                    |                                  |                                   | Technical                         |                         |                      | Administrative           |                           |                            | Political              |                      |                    | Legal            |                        |                                   | Economic                    |                         |                                 | Environmental                |                          |                               | Prioritization |                                 |                             |                               |
|  | High Community Acceptance | high Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect |                | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High |
| Include information on flood insurance availability on city web page.  | 2                         | 0                                | 6                                 | 6                                 | 3                       | 3                    | 2                        | 2                         | 3                          | 2                      | 3                    | 3                  | 3                | 3                      | 3                                 | 4                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3              | 3                               | 3                           | 75                            |
| Provide annual wild land fire training for all fire department personnel.  | 3                         | 3                                | 6                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 3                               | 2                            | 3                        | 3                             | 3              | 3                               | 3                           | 75                            |
| Partner with EMA to distribute landslide awareness and safety information at community events.                     | 3                         | 3                                | 3                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 2                    | 3                  | 3                | 3                      | 3                                 | 4                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3              | 3                               | 3                           | 75                            |
| Participate in annual hazardous materials tabletop exercises and drills involving all emergency response agencies. | 2                         | 6                                | 6                                 | 6                                 | 3                       | 2                    | 2                        | 2                         | 1                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 6                           | 2                       | 3                               | 2                            | 3                        | 3                             | 3              | 3                               | 3                           | 74                            |
| Continue to participate in DOE drills and exercises.   | 2                         | 6                                | 6                                 | 6                                 | 3                       | 2                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 6                           | 4                       | 3                               | 2                            | 2                        | 2                             | 3              | 2                               | 3                           | 74                            |
| Enact legislation to make mandatory fines for non-permitted outdoor burning.                                       | 2                         | 3                                | 6                                 | 6                                 | 3                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 4                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3              | 3                               | 3                           | 74                            |
| Continue to restrict parking of vehicles in close proximity to critical facilities.                                | 2                         | 3                                | 3                                 | 6                                 | 3                       | 3                    | 3                        | 2                         | 3                          | 3                      | 2                    | 2                  | 3                | 3                      | 2                                 | 4                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3              | 3                               | 3                           | 74                            |
| Revise zoning and building codes to restrict construction in landslide hazard areas                                | 2                         | 3                                | 3                                 | 6                                 | 3                       | 3                    | 3                        | 2                         | 3                          | 3                      | 2                    | 1                  | 3                | 3                      | 1                                 | 4                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3              | 3                               | 3                           | 73                            |
| Develop and annually update a list of vendor 24/7 contact information and pre-disaster MOUs.                       | 1                         | 3                                | 3                                 | 6                                 | 3                       | 3                    | 3                        | 3                         | 3                          | 3                      | 2                    | 2                  | 3                | 3                      | 3                                 | 3                           | 3                       | 2                               | 3                            | 3                        | 3                             | 3              | 3                               | 3                           | 72                            |
| Seek grant funding to purchase and install an automated wide area rapid notification system.                       | 2                         | 9                                | 3                                 | 3                                 | 3                       | 3                    | 3                        | 2                         | 1                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 6                           | 2                       | 2                               | 1                            | 3                        | 3                             | 3              | 3                               | 3                           | 72                            |
| Develop a post-disaster recovery ordinance.  | 2                         | 3                                | 3                                 | 6                                 | 3                       | 3                    | 2                        | 2                         | 2                          | 3                      | 1                    | 1                  | 3                | 3                      | 3                                 | 2                           | 4                       | 6                               | 2                            | 3                        | 3                             | 3              | 3                               | 3                           | 72                            |
| Enact legislation to require each Tier II site to install alert devices and develop a warning plan.                | 3                         | 9                                | 3                                 | 6                                 | 3                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 1                  | 3                | 2                      | 2                                 | 6                           | 2                       | 3                               | 2                            | 2                        | 2                             | 3              | 2                               | 3                           | 72                            |
| Publish articles in area newspapers to instruct citizens on shelter-in-place.                                      | 3                         | 6                                | 0                                 | 3                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 6                           | 4                       | 2                               | 2                            | 3                        | 3                             | 3              | 3                               | 3                           | 72                            |

Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table

| Action/Project Description  | Social                    |                                  |                                   | Technical                         |                          |                         | Administrative       |                          |                           | Political                  |                        |                      | Legal              |                  |                        | Economic                          |                             |                         | Environmental                   |                              |                          | Prioritization                |                                 |                             |                               |                      |
|---|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|----------------------|
|   | High Community Acceptance | High Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | Is Technical Feasibility | Is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High | Total Priority Score |
| Partner with EMA to distribute extreme heat and extreme cold awareness and preparedness literature to citizens at community events.     | 3                         | 3                                | 3                                 | 3                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 3                      | 3                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 72                   |
| Partner with EMA and Red Cross to distribute severe winter storm awareness and preparedness literature to citizens at community events. | 3                         | 3                                | 3                                 | 3                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 2                      | 2                    | 3                  | 3                | 3                      | 3                                 | 4                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 72                   |
| Coordinate with EMA to apply to receive Community Rating System status.   | 1                         | 0                                | 6                                 | 6                                 | 3                        | 2                       | 2                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 72                   |
| Seek grant funding to purchase wild land firefighting equipment.  | 3                         | 3                                | 6                                 | 6                                 | 3                        | 2                       | 3                    | 2                        | 1                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 2                       | 3                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 72                   |
| Enforce codes stipulating setback distances for all new structures not using fire-resistive materials.                                  | 2                         | 3                                | 6                                 | 6                                 | 3                        | 3                       | 2                    | 2                        | 2                         | 2                          | 1                      | 1                    | 2                  | 3                | 3                      | 2                                 | 4                           | 4                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 72                   |
| Continue participation in the state and federal drug task force.  | 3                         | 0                                | 3                                 | 3                                 | 3                        | 3                       | 2                    | 2                        | 3                         | 2                          | 3                      | 3                    | 3                  | 3                | 3                      | 3                                 | 4                           | 6                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 72                   |
| Participate in annual exercises involving all emergency response agencies.  | 2                         | 6                                | 6                                 | 6                                 | 3                        | 2                       | 2                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 6                           | 2                       | 3                               | 1                            | 2                        | 2                             | 3                               | 2                           | 3                             | 71                   |
| Publish notice of federal, state, and local training opportunities to all emergency response personnel.                                 | 2                         | 3                                | 3                                 | 3                                 | 3                        | 3                       | 3                    | 3                        | 3                         | 3                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 71                   |
| Develop redundancy strategies to prevent loss of public records in the event of damage to critical facilities.                          | 3                         | 0                                | 3                                 | 6                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 6                           | 2                       | 3                               | 1                            | 3                        | 3                             | 3                               | 3                           | 3                             | 71                   |
| Provide fire department equipment to contain hazardous materials spills on roadways.  | 2                         | 3                                | 3                                 | 6                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 6                           | 2                       | 3                               | 1                            | 3                        | 3                             | 3                               | 3                           | 3                             | 71                   |
| Establish codes to prohibit construction of special needs population facilities near rail lines.  | 3                         | 6                                | 3                                 | 3                                 | 3                        | 3                       | 2                    | 3                        | 1                         | 3                          | 1                      | 2                    | 3                  | 3                | 3                      | 2                                 | 6                           | 2                       | 2                               | 3                            | 2                        | 3                             | 3                               | 3                           | 3                             | 71                   |

| Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table  |                           |                                  |                                   |                                   |                         |                      |                          |                           |                            |                        |                      |                    |                  |                        |                                   |                             |                         |                                 |                              |                          |                               |                                 |                             |                               |                      |
|---|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|----------------------|
| Action/Project Description  | Social                    |                                  |                                   | Technical                         |                         |                      | Administrative           |                           |                            | Political              |                      |                    | Legal            |                        | Economic                          |                             | Environmental           |                                 |                              | Prioritization           |                               |                                 |                             |                               |                      |
|   | High Community Acceptance | High Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High | Total Priority Score |
| Partner with EMA to distribute hail awareness and preparedness literature to citizens at community events.                      | 2                         | 3                                | 3                                 | 3                                 | 3                       | 3                    | 2                        | 2                         | 2                          | 3                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 6                       | 2                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 71                   |
| Partner with EMA and Red Cross to distribute lightning awareness and preparedness literature to citizens at community events.   | 3                         | 3                                | 3                                 | 3                                 | 3                       | 2                    | 3                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 6                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 71                   |
| Provide debris management training for public works.  | 3                         | 3                                | 3                                 | 6                                 | 3                       | 2                    | 3                        | 2                         | 1                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 6                           | 2                       | 3                               | 1                            | 3                        | 3                             | 3                               | 3                           | 3                             | 70                   |
| Create a GIS map database of Tier II sites to display ERG-established zones and evacuation perimeters.                          | 3                         | 6                                | 0                                 | 6                                 | 3                       | 3                    | 1                        | 2                         | 1                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 6                           | 2                       | 3                               | 1                            | 3                        | 3                             | 3                               | 3                           | 3                             | 70                   |
| Provide training for firefighters in containing hazardous materials spills on roadways.   | 3                         | 3                                | 3                                 | 3                                 | 3                       | 2                    | 3                        | 2                         | 2                          | 2                      | 3                    | 2                  | 2                | 3                      | 3                                 | 3                           | 6                       | 2                               | 3                            | 2                        | 3                             | 3                               | 3                           | 3                             | 70                   |
| Establish codes to prohibit construction of residential or public structures near fixed hazardous materials sites.              | 2                         | 6                                | 6                                 | 6                                 | 3                       | 3                    | 1                        | 2                         | 1                          | 2                      | 1                    | 1                  | 2                | 2                      | 2                                 | 1                           | 6                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 70                   |
| Participate in a countywide study to determine and GIS map potential landslide areas.   | 2                         | 3                                | 3                                 | 3                                 | 3                       | 2                    | 2                        | 2                         | 3                          | 3                      | 2                    | 2                  | 2                | 3                      | 3                                 | 4                           | 6                       | 2                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 70                   |
| Partner with EMA to distribute subsidence awareness literature at community events.   | 3                         | 3                                | 3                                 | 3                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 70                   |
| Ensure all emergency response personnel are Incident Command System and National Incident Management System training compliant. | 2                         | 3                                | 3                                 | 6                                 | 3                       | 3                    | 3                        | 2                         | 2                          | 2                      | 2                    | 2                  | 2                | 3                      | 3                                 | 4                           | 2                       | 3                               | 1                            | 3                        | 3                             | 3                               | 3                           | 3                             | 69                   |
| Develop comprehensive, economic, and continuity of operations plans.  | 2                         | 3                                | 3                                 | 6                                 | 3                       | 3                    | 2                        | 2                         | 2                          | 2                      | 1                    | 2                  | 3                | 3                      | 3                                 | 6                           | 2                       | 3                               | 1                            | 3                        | 3                             | 3                               | 3                           | 3                             | 69                   |
| Develop emergency services winter storm response protocols.   | 2                         | 3                                | 0                                 | 3                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 6                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 69                   |

Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table

| Action/Project Description   | Social                    |                                  |                                   | Technical                         |                          |                         | Administrative       |                          |                           | Political                  |                        |                      | Legal              |                  |                        | Economic                          |                             |                         | Environmental                   |                              |                          | Prioritization                |                                 |                             |                               |                      |
|--|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|----------------------|
|  | High Community Acceptance | High Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | Is Technical Feasibility | Is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High | Total Priority Score |
| Partner with EMA and local insurance agents to distribute earthquake insurance information at community events.            | 2                         | 0                                | 6                                 | 9                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 1                          | 2                      | 1                    | 1                  | 3                | 3                      | 3                                 | 2                           | 2                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 69                   |
| Partner with EMA to distribute drought awareness and preparedness literature to citizens at community events.              | 3                         | 0                                | 3                                 | 3                                 | 3                        | 2                       | 3                    | 2                        | 3                         | 2                          | 2                      | 3                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 68                   |
| Provide training for all city personnel subject to extreme heat and cold.  | 3                         | 3                                | 3                                 | 3                                 | 3                        | 2                       | 3                    | 2                        | 2                         | 2                          | 2                      | 3                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 1                            | 3                        | 3                             | 3                               | 3                           | 3                             | 68                   |
| Evaluate the efficacy of construction of water flow and detention ponds in flood prone areas.                              | 3                         | 3                                | 3                                 | 6                                 | 3                        | 3                       | 2                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 6                           | 4                       | 3                               | 1                            | 2                        | 2                             | 2                               | 2                           | 3                             | 68                   |
| Identify and map areas made inaccessible by bridge and/or roadway flooding.  | 3                         | 6                                | 0                                 | 0                                 | 3                        | 3                       | 3                    | 2                        | 3                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 2                           | 3                       | 3                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 68                   |
| Train emergency response agencies in flood response safety.  | 2                         | 6                                | 0                                 | 3                                 | 3                        | 2                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 6                           | 4                       | 1                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 68                   |
| Participate in a UT geology department countywide study of karst areas and known sinkholes.                                | 2                         | 3                                | 3                                 | 3                                 | 3                        | 2                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 68                   |
| Create GIS maps showing karst areas.   | 2                         | 3                                | 3                                 | 3                                 | 3                        | 2                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 68                   |
| Seek grant funding to purchase and install warning sirens.   | 3                         | 9                                | 0                                 | 3                                 | 3                        | 3                       | 2                    | 2                        | 1                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 2                                 | 6                           | 2                       | 2                               | 1                            | 2                        | 2                             | 3                               | 2                           | 3                             | 67                   |
| Evaluate efficacy of raising grade level or expanding ditch depth and width along repetitive flooding roadways             | 3                         | 6                                | 6                                 | 6                                 | 3                        | 3                       | 2                    | 2                        | 1                         | 2                          | 2                      | 2                    | 3                  | 3                | 2                      | 3                                 | 1                           | 3                       | 1                               | 2                            | 2                        | 2                             | 2                               | 2                           | 3                             | 67                   |
| Continue to participate in the Joint Terrorism Task Force.   | 2                         | 3                                | 3                                 | 3                                 | 3                        | 2                       | 2                    | 2                        | 3                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 67                   |
| Conduct meetings between road and planning departments to prioritize potential landslide areas and methods of remediation. | 2                         | 3                                | 3                                 | 3                                 | 3                        | 2                       | 2                    | 2                        | 3                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 67                   |
| Provide fire department personnel CSX rail incident training.  | 2                         | 3                                | 3                                 | 3                                 | 3                        | 2                       | 3                    | 2                        | 2                         | 3                          | 2                      | 1                    | 2                  | 3                | 3                      | 3                                 | 4                           | 2                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 66                   |

| Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table   |                           |                                  |                                   |                                   |                         |                      |                          |                           |                            |                        |                      |                    |                  |                        |                                   |                             |                         |                                 |                              |                          |                               |                                 |                             |                               |                      |
|--|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|----------------------|
| Action/Project Description   | Social                    |                                  |                                   | Technical                         |                         |                      | Administrative           |                           |                            | Political              |                      |                    | Legal            |                        | Economic                          |                             | Environmental           |                                 |                              | Prioritization           |                               |                                 |                             |                               |                      |
|  | High Community Acceptance | high Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High | Total Priority Score |
| Enact legislation to restrict non-essential water usage during periods of drought.   | 2                         | 0                                | 3                                 | 3                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 66                   |
| Equip all fire/rescue vehicles with chain saws to ensure clearing of emergency routes following high wind incidents.                             | 3                         | 3                                | 3                                 | 3                                 | 3                       | 2                    | 3                        | 1                         | 2                          | 2                      | 2                    | 3                  | 3                | 3                      | 3                                 | 4                           | 4                       | 1                               | 1                            | 3                        | 3                             | 3                               | 3                           | 3                             | 66                   |
| Install lightning protection devices and grounding on critical facilities  | 2                         | 3                                | 6                                 | 3                                 | 3                       | 2                    | 2                        | 1                         | 2                          | 1                      | 1                    | 1                  | 3                | 3                      | 3                                 | 4                           | 4                       | 3                               | 2                            | 3                        | 2                             | 3                               | 3                           | 3                             | 66                   |
| Continue aggressive power line right-of-way clearing to reduce incidence of telephone and power lines downed by high wind or ice/snow incidents. | 3                         | 3                                | 3                                 | 6                                 | 3                       | 2                    | 2                        | 1                         | 2                          | 2                      | 3                    | 3                  | 2                | 2                      | 6                                 | 2                           | 3                       | 1                               | 2                            | 2                        | 3                             | 2                               | 3                           | 3                             | 66                   |
| Enact legislation to require buried lines in all new cluster developments.   | 3                         | 3                                | 3                                 | 6                                 | 3                       | 2                    | 2                        | 1                         | 2                          | 2                      | 3                    | 2                  | 3                | 2                      | 2                                 | 6                           | 2                       | 3                               | 1                            | 2                        | 2                             | 3                               | 2                           | 3                             | 66                   |
| Evaluate methods to improve storm water systems in flood prone areas.  | 2                         | 0                                | 3                                 | 6                                 | 3                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 6                           | 4                       | 3                               | 3                            | 2                        | 2                             | 2                               | 2                           | 3                             | 66                   |
| Provide Emergency Response to Terrorism training for all emergency response agencies.  | 2                         | 3                                | 3                                 | 3                                 | 3                       | 2                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 66                   |
| Partner with the drug task force and EMA to distribute meth lab awareness information at community events.                                       | 3                         | 0                                | 3                                 | 3                                 | 3                       | 2                    | 2                        | 2                         | 3                          | 2                      | 2                    | 3                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 66                   |
| Develop meth lab SOGs for emergency responders.  | 2                         | 0                                | 3                                 | 3                                 | 3                       | 2                    | 2                        | 2                         | 3                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 6                       | 2                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 66                   |
| Require property owners to sign acknowledgement of subsidence risk notification before issuing building permits on high-risk sites.              | 2                         | 3                                | 3                                 | 3                                 | 3                       | 2                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 66                   |
| Update evacuation routes and procedures.   | 2                         | 6                                | 0                                 | 0                                 | 3                       | 3                    | 2                        | 3                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 2                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 65                   |
| Maintain and update annually contact information for suppliers of potable water.   | 3                         | 3                                | 0                                 | 0                                 | 3                       | 2                    | 3                        | 2                         | 3                          | 2                      | 2                    | 3                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 3                             | 65                   |

Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table

| Action/Project Description   | Social                    |                                  |                                   | Technical                         |                          | Administrative          |                      | Political                |                           | Legal                      |                        | Economic             |                    |                  | Environmental          |                                   |                             | Prioritization          |                                 |                              |                          |                               |                                 |                             |                               |                      |
|--|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|----------------------|
|  | High Community Acceptance | High Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | Is Technical Feasibility | Is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High | Total Priority Score |
| Enact legislation to require new mobile home parks to construct storm shelters of adequate size to protect all residents during high wind incidents. | 3                         | 9                                | 0                                 | 5                                 | 3                        | 3                       | 2                    | 2                        | 1                         | 2                          | 1                      | 1                    | 3                  | 3                | 3                      | 1                                 | 6                           | 2                       | 2                               | 1                            | 2                        | 2                             | 3                               | 2                           | 3                             | 65                   |
| Provide meth lab awareness training for citizens.  | 3                         | 0                                | 3                                 | 3                                 | 3                        | 2                       | 2                    | 2                        | 2                         | 2                          | 2                      | 3                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 65                   |
| Provide training and equipment for law enforcement and drug task force personnel.  | 2                         | 0                                | 3                                 | 3                                 | 3                        | 2                       | 2                    | 2                        | 3                         | 2                          | 2                      | 3                    | 2                  | 3                | 3                      | 3                                 | 4                           | 4                       | 2                               | 2                            | 3                        | 3                             | 3                               | 3                           | 3                             | 65                   |
| Install larger culverts to permit clear stream flow.   | 3                         | 3                                | 3                                 | 6                                 | 3                        | 3                       | 2                    | 1                        | 1                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 6                           | 2                       | 3                               | 1                            | 2                        | 2                             | 2                               | 2                           | 3                             | 64                   |
| Partner with NWS to erect "Turn Around, Don't Drown" signage at flooding points.   | 2                         | 6                                | 0                                 | 0                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 3                           | 1                       | 3                               | 2                            | 2                        | 3                             | 3                               | 3                           | 3                             | 64                   |
| Continue to work with property owners to reduce run-off and erosion.   | 2                         | 0                                | 3                                 | 6                                 | 3                        | 2                       | 2                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 4                           | 4                       | 3                               | 3                            | 2                        | 2                             | 2                               | 2                           | 3                             | 63                   |
| Erect staff signage indicating water depth at flooding points.   | 3                         | 6                                | 0                                 | 0                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 2                           | 1                       | 2                               | 2                            | 2                        | 3                             | 3                               | 3                           | 3                             | 63                   |
| Install gates to block roadways and bridges during flooding.   | 3                         | 6                                | 0                                 | 0                                 | 3                        | 3                       | 3                    | 2                        | 2                         | 2                          | 3                      | 2                    | 3                  | 3                | 3                      | 3                                 | 2                           | 1                       | 2                               | 2                            | 2                        | 3                             | 3                               | 3                           | 3                             | 63                   |
| Evaluate methods to address flooding of Chestnut Street.   | 2                         | 3                                | 3                                 | 3                                 | 3                        | 3                       | 2                    | 2                        | 3                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 4                           | 2                       | 3                               | 1                            | 2                        | 3                             | 3                               | 2                           | 3                             | 63                   |
| Seek grant funding to install larger storm drains to mitigate flooding of Railroad Street.   | 2                         | 3                                | 3                                 | 3                                 | 3                        | 3                       | 2                    | 2                        | 3                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 4                           | 2                       | 3                               | 1                            | 2                        | 3                             | 3                               | 2                           | 3                             | 63                   |
| Seek grant funding to equip all emergency response vehicles with on demand tire chains to ensure access to victims during ice and snow incidents.    | 2                         | 3                                | 0                                 | 3                                 | 3                        | 3                       | 2                    | 2                        | 2                         | 2                          | 2                      | 2                    | 2                  | 3                | 3                      | 3                                 | 4                           | 2                       | 3                               | 1                            | 3                        | 3                             | 3                               | 3                           | 3                             | 62                   |
| Seek grant funding to install water line insulation for low-income residents.  | 2                         | 0                                | 3                                 | 3                                 | 3                        | 3                       | 3                    | 2                        | 1                         | 2                          | 1                      | 2                    | 3                  | 3                | 3                      | 3                                 | 4                           | 4                       | 1                               | 1                            | 3                        | 3                             | 3                               | 3                           | 3                             | 62                   |
| Provide regular maintenance to remove debris from flood prone streams and creeks.  | 3                         | 3                                | 3                                 | 6                                 | 3                        | 2                       | 2                    | 1                        | 1                         | 1                          | 2                      | 2                    | 2                  | 3                | 3                      | 2                                 | 6                           | 2                       | 3                               | 1                            | 2                        | 2                             | 2                               | 2                           | 3                             | 62                   |

| Table 1.11.2 "STAPLEE" Mitigation Actions Prioritization Table  |                           |                                  |                                   |                                   |                          |                         |                      |                          |                           |                            |                        |                      |                    |                  |                        |                                   |                             |                         |                                 |                              |                          |                               |                                 |                             |                               |
|---|---------------------------|----------------------------------|-----------------------------------|-----------------------------------|--------------------------|-------------------------|----------------------|--------------------------|---------------------------|----------------------------|------------------------|----------------------|--------------------|------------------|------------------------|-----------------------------------|-----------------------------|-------------------------|---------------------------------|------------------------------|--------------------------|-------------------------------|---------------------------------|-----------------------------|-------------------------------|
| Action/Project Description  | Social                    |                                  |                                   | Technical                         |                          |                         | Administrative       |                          |                           | Political                  |                        |                      | Legal              |                  | Economic               |                                   |                             | Environmental           |                                 |                              | Prioritization           |                               |                                 |                             |                               |
|   | High Community Acceptance | high Effect on Loss of Life-WF=3 | High Effect on Property Loss WF=3 | High Effect on Economic Loss WF=3 | is Technical Feasibility | is a Long-Term Solution | No Secondary Impacts | Little Staffing required | Funding Potential is High | Low Maintenance/Operations | High Political Support | Has a Local Champion | Has Public Support | State Authorized | Local Authority Exists | Potential Legal Challenge is High | Action Benefit is High WF=2 | Action Cost is Low WF=2 | High Economic Goal Contribution | Outside Funding Not Required | Land/Water Effect is Low | Low Endangered Species Effect | HAZMAT Waste Site Effect is Low | Environmental Effect is Low | Federal Law Compliant is High |
| Evaluate the realignment of bridges to remove abutment obstructions to the natural Coal Creek stream channel to reduce flooding in Lake City. | 3                         | 3                                | 6                                 | 6                                 | 3                        | 3                       | 2                    | 1                        | 1                         | 2                          | 2                      | 2                    | 3                  | 3                | 2                      | 3                                 | 1                           | 3                       | 1                               | 2                            | 2                        | 3                             | 2                               | 3                           | 62                            |
| Seek grant funding to dredge Coal Creek behind the city ball field to prevent flooding.   | 3                         | 3                                | 3                                 | 6                                 | 3                        | 3                       | 2                    | 1                        | 1                         | 2                          | 2                      | 2                    | 3                  | 3                | 2                      | 3                                 | 2                           | 3                       | 1                               | 2                            | 2                        | 3                             | 2                               | 3                           | 62                            |
| Erect signage to warn motorists of landslide danger at identified sites.  | 3                         | 3                                | 0                                 | 0                                 | 3                        | 2                       | 3                    | 2                        | 2                         | 2                          | 2                      | 2                    | 3                  | 3                | 3                      | 4                                 | 4                           | 1                       | 2                               | 3                            | 3                        | 3                             | 3                               | 3                           | 61                            |
| Assist community agencies to establish heating/cooling centers for vulnerable populations.  | 3                         | 3                                | 0                                 | 3                                 | 3                        | 2                       | 2                    | 1                        | 1                         | 2                          | 2                      | 2                    | 3                  | 3                | 2                      | 6                                 | 2                           | 2                       | 1                               | 2                            | 2                        | 3                             | 2                               | 3                           | 58                            |