

### **Capability Assessment Process**

Each participating jurisdiction was asked to compile a list of the resources they have and what resources they could potentially use to assist them in mitigating hazards. An important component to assessing the capability to mitigating hazards was assessing the quantity and quality of their resources and making suggestions for improvement. The Springfield-Greene County Office of Emergency Management asked each jurisdiction to identify resources for the following categories to complete a comprehensive assessment:

- Personnel (e.g. translators, medical staff, hazmat technicians, emergency management);
- Equipment (e.g. vehicles, computers, radios, alarm systems);
- Facilities (e.g. storm shelters, emergency operations centers, police departments);
- Organization (e.g. building codes, evacuation plans, emergency operations plans); and
- Back-Up Systems (e.g. computer servers, generators, communications equipment).

Some of the larger jurisdictions, like municipalities, had more capabilities and more details to provide for the plan. Accordingly, some smaller jurisdictions, like fire protection districts, had limited capabilities. This resulted in a varied, albeit accurate, length of each capability assessment.

In order to update the Springfield-Greene County Capability Assessment from the 2004 Hazard Mitigation Plan, each capability was reviewed, and if applicable, updated. Some sections were deleted, and new resources, including a new facility for the Office of Emergency Management, were included.

This section of the plan is different from the others regarding the separation of the City of Springfield and unincorporated Greene County. Springfield and Greene County have multiple organizations, departments and facilities that combine both jurisdictions. The capabilities that represent both jurisdictions were addressed in a separate document. The capabilities that are specific to the City of Springfield or unincorporated Greene County were addressed in the City of Springfield Capability Assessment and Greene County Capability Assessment, respectively.

## Capability Assessment: Springfield-Greene County

### Springfield-Greene County Emergency Management

#### **City/County Authorities and Responsibilities**

The government has a responsibility to its people and the creation of emergency plans is one way in which government may use its authority to meet its responsibilities. The following is a general outline of some of those authorities and the responsibilities they must be used to fulfill.

#### Authorities

1. To order an evacuation, redirect funds for emergency use, order a curfew, and commandeer facilities and/or equipment and materials;
2. To implement authorized lines of succession for the chief elected officials with power to initiate necessary emergency activities
3. To implement plans for analysis of possible impacts of potential disasters
4. To implement multi-hazard emergency planning
5. To complete mutual aid agreements with neighboring jurisdictions

#### Responsibilities

1. To protect the safety and security of citizens
2. To safeguard records vital to transparency of government

#### **Mitigation Management Policies**

The Springfield-Greene County Office of Emergency Management is charged with planning and preparing for disaster. That duty includes advising the Greene County Commission and the Springfield City Manager on mitigation measures and in some cases coordinating those measures deemed appropriate by the above. In general, county and city policy encourage cooperation between agencies. Many departments (i.e., County: Resource Management, Highway Department, Sheriff's Office; City: Public Works, Police Dept., Fire Department, ECC, Health Dept., Parks, Airport, City Utilities, Building Development Services, and Planning) identify, assess, and develop mitigation projects.

#### Emergency Operations Plan (EOP)

The most recent version of the EOP was completed and approved, September 2008. This document covers unincorporated areas of Greene County and the City of Springfield. The plan is approved by both the Greene County Commission and the Springfield City Council. The EOP is an all-hazards document divided into a basic plan and four functional annexes: Mitigation, Preparedness, Response and Recovery. Annex I of the EOP contains the All-Hazards Mitigation Plan for unincorporated Greene County and the City of Springfield. This document is actually contained in a stand alone document due to the size of the EOP.

#### Emergency Operations Center (EOC)

The EOC, does not currently meet FEMA/DHS EOC criteria for a place which key officials can direct and control an emergency response (see ref., Emergency Operating Centers Handbook –

FEMA 1984, EOC Assessment Report – Titan Corporation April 2003, NEMA Report – Physical Security Requirements for EOC Secure Operations Rooms, Facility Planning – Alan Burton 1992). Construction of a new facility to house the EOC is currently in a planning stage. Upon completion the EOC will be larger, better equipped, and more secure. This facility should be available to the Springfield-Greene County area within a few years.

EOC capability includes, ease of access, the facility is located within a six-mile radius of the main county population and provides easy and rapid access for all personnel typically assigned during emergency activation. The EOC is in a good location for survivability with no major threat identified. The center has adequate backup power and water.

The EOC has survivable communications from primary and other operating forces (800 MHz. radio system and amateur radio), the Emergency Alert System, commercial and public broadcast stations, SEMA, adjacent jurisdictions and the incorporated areas of the county. The communications and warning equipment are tested on a monthly basis. Warning sirens are located in the City of Springfield and the Urban Service Area. The Emergency Management Office is responsible for primary activation of the outdoor warning system with the Springfield/Greene County Emergency Communications Center as the backup. Currently, the Emergency Management Office is also responsible through written agreement, for the activation of outdoor warning sirens in the following cities: Ash Grove, Bois D’Arc, Fair Grove, Strafford and Battlefield.

Both the County and City have substantial communications capabilities, both fixed and mobile, to coordinate the scene of an emergency.

The emergency management staff of six has received substantial training. The office staff has a diverse cross-section of experience totaling approximately 90 years of combined public safety service. Applicable officials have limited official training in mitigation; however, they have many years of practical mitigation application to draw from.

### **Mitigation Prioritization Strategy**

Since flash flooding has the greatest impact upon the county, comprehensive storm water plans are in place and are kept updated as the need warrants.

With tornadoes and severe storms always a threat to the area, warning capability assessments have/are being conducted, including, Reverse 911, weather radio placement program, and the potential need to add additional outdoor warning sirens to areas annexed into the City of Springfield as warranted and dense population areas in unincorporated Greene County was warranted.

With over 1500 identified sinkholes in Greene County, studies have been conducted to “map” the sinks to determine their runoff capacity and their size and scope.

Winter storms in the area are a real danger both to peoples lives, to property and the overall economic impact on the affected area(s). Clearing snow and ice from road surfaces is a main

priority for public works and highway crews. The City of Springfield has designated several streets as snow routes.

The potential for a dangerous influenza outbreak has recently garnered national attention. Seasonal flu occurrences coupled with the emergence of virulent strains of the virus such as H1N1 has pushed the government at all levels to instigate public awareness programs focused on flu prevention and containment. The Springfield-Greene County Health Department recently announced their “Fight the Flu” campaign. This program encourages the public to help the community at large by practicing healthy living and staying home during time of personal illness.

### **Current Criteria Used to Prioritize Mitigation Funding**

Mitigation funding primarily is based upon the combination of expected damage as well as, death/injury probabilities.

It is projected that by the year 2020 Greene County will see a net population increase of 45000 to 60000 (20 to 25 percent). Eighty-five to ninety percent of the future Greene County population (245,000 to 270,000) is expected to live in the Springfield urbanized areas of the County. With this intense development occurring, new land use in and around Springfield urban service area will increase. This will be the area where greater access to infrastructure and emergency services will be needed.

### **Determining Cost-Effectiveness of Mitigation Programs**

Cost/Benefit ratio's are determined and calculated on an individual basis. Cost effectiveness is dependent on the potential scope of damages, the probable hazard to human life, estimated savings, and the type of project. For projects utilizing FEMA funding all projects must pass FEMA cost/benefit analysis scrutiny.

Mitigation funding options include current and potential sources of federal, state, local and private funding. The county has historically relied on grant monies (FEMA and/or SBA, Missouri Department of Natural Resources, and Department of Economic Development, sometimes with a match, sometimes not) to fund major mitigation projects.

The City of Springfield has historically relied on general revenue monies from tax initiatives to fund projects. Other funding options being considered include those resources identified in SEMA's Regional Planning Commission Hazard Mitigation Planning Guide – 2002.

Table 5A.1 Capability Assessment of Springfield and Greene County

Policies and Programs	City of Springfield	Greene County	Agency/ Department	Effectiveness for Mitigation	Last Update and Rationale for Effectiveness
Zoning Regulations (Updates Ongoing)	X	X	County: Planning & Zoning City: Planning	Low-Medium	Both County/City updates regulations as the need arises.
Building Codes and Regulations (County: 2003 City: 2004)	X	X	County: Building Regulations City: Building Development Services	High	County: BOCA, SBC, Uniform, 2006 International Codes, 2005 Electrical Code City: SBC, Uniform, 2006 International Codes Code enforcement is tight in both areas. Codes are continually reviewed for gaps.
Floodplain Management Recent Study- County: 1996 City: 1991	X	X	County: Building Regulations City: Building Development Services	High	County: XXXXXXXXXXXX City: Subdiv. Ordinance Sect. 409 For both areas, new construction and improvements are not allowed without extensive mitigation improvements. Any encroachment such as fill, new construction within floodway must not create increased flood levels within the community during base flood events.
Flood Insurance	X	X	County: Building Regulations City: Building Development Services	High	County: Joined 1983 NFIP Comm. #:290782 City: Joined 1989 NFIP Comm. #:290419 Both areas participate in the flood insurance program.
Land Use Management Plans	X	X	County: Planning and Zoning City: Planning	Medium	Unincorporated County: Updated 2009 City: Updated 1995 Both areas have extensive ordinances pertaining to land use, which works hand in hand with regulations such as Floodplain Management.
Subdivision Regulations	X	X	County: Planning and Zoning City: Planning	Medium	Both County/City update plans as needed. Both areas have extensive ordinances pertaining to Subdivisions.
Storm water diversion standards	X	X	County: Building Regulations City: Building Development Services	High	County: Updated 1999 City: Updated 2008 These standards are dispersed throughout area ordinances and regulations.
Sediment and Erosion Regulations	X	X	County: Building Regulations City: Building Development Services	Low-Medium	Both County/City update plans as needed. These regulations are addressed by each area.
All-Hazards Emergency Plan	X	X	County/City: Office of Emergency Management	Medium	County/City: Updated 2008 EOP is updated on yearly basis and rewritten every five years.

**Capability Assessment: Greene County****Building Codes**

Building and construction in the county is regulated through building codes based on the 2006 version of the International Codes. Additional codes such as the National Electric Code of 2005 are also in observed.

Existing codes and regulations include provisions for drainage, flood hazard, soil, slope, and street connectivity issues.

**Planning and Zoning**

Greene County is a Class 1 Missouri county. In as much, the County Commission has the power to enact ordinances, rules and regulations regarding building regulations, planning & zoning.

Planning and Zoning for unincorporated Greene County is governed by a board which meets once per month. The Planning Board reviews and approves subdivision plats and variances and acts as an advisory board to the County Commission regarding conditional use permits, zoning requests and amendments to the zoning regulations.

The Board of Zoning Adjustment consists of the three County Commissioners and meets once per month. This board reviews and approves requests regarding variances from the zoning regulations and approves requests for conditional use permits forwarded by the Planning Board.

Current zoning regulations provide for the following fifteen zoning districts: agriculture, agriculture-residence, manufactured home park, suburban residence, one and two family residence, multi-family, multi-family residence, professional office, general office, neighborhood commercial, general commercial, planned shopping, light manufacturing or industrial, general manufacturing or industrial, and plot assignment. Additional regulations cover solid waste and hazardous waste.

Restrictions on hazardous waste storage, treatment and disposal are based upon current Federal and State regulations.

**Mitigation Programs**

The main mitigation program is in the areas of floodplain management (regulations updated 2002) and participation in the administration of the National Flood Insurance Program (NFIP). Floodplain Management programs are based on policies to protect the general welfare and health of county residents. The programs are designed to safeguard health, safety and property in times of flood; restrict avoidable increases in flood size; mitigate losses at the time of construction of public facilities; and protect the public from buying land unsuited for the intended use due to flood hazards.

The Federal Clean Water Act requires certification for any construction, placement and disposal of fill material or earth movement within a floodplain or body of water. After serious flooding in 1993, floodplain regulations were revamped and continue to be scrutinized.

In 1983, Greene County adopted Article XIX, Floodplain Management Ordinance requiring participation in the NFIP. This ordinance, based on a model ordinance from the Federal Emergency Management Agency (FEMA) requires any development or construction in floodplain areas to obtain a Floodplain Development Permit from the county. A total of 91 NFIP policies are currently in effect for residents in unincorporated Greene County.

The county and city floodplain regulations are aimed at restricting new development in floodplains. Following the 1993 floods, the county and city instituted a property acquisition program. This program is funded through FEMA's Hazard Mitigation Grant Program. To date, 17 properties have been purchased in unincorporated Greene County. Properties in Greene County have been purchased with federal grant money.

It should be noted however that in 2008 FEMA released updated Flood Insurance Rate Maps that changed the boundaries of some floodplains in Greene County. As a result of this change some properties previously listed as floodplains are no longer categorized as such. Other properties, previously not listed as such, are now considered to be in floodplains.

Storm water regulations are also in place and are designed to minimize the harmful effects of erosion, sedimentation, and flooding from storm water runoff. This is accomplished by measures to mitigate erosion both during and after construction, the detention and controlled discharge of differential run-off from development, and a well designed storm water conveyance system.

### **Other capabilities**

1. The county and city are able to receive National Weather Service warnings. A vast number of the population could be alerted within 15-20 minutes (estimated), responders within 3-5 minutes and key officials within 15 minutes.
2. Public school students receive curricular training on hazards and emergency programs during the school year. Businesses, preschools, private organizations, community leaders, and averages citizens have been exposed to emergency preparedness training.
3. Geographic Information Systems (GIS) capabilities allow for limited hazard areas base maps to be available to interested parties.

The capabilities of emergency management, fire protection, law enforcement, emergency medical services are detailed in Section 2.

### **Intergovernmental and Interagency Coordination**

The following meetings occur on a routine basis:

#### **Weekly Meetings:**

- Springfield City Management Team Meeting
- Vision 20/20 Meetings (ongoing)
- Chamber of Commerce Meetings
- Greene County Department Head Meeting
- Springfield City Council

**Monthly Meetings:**

- County Court Commission Meeting
- City/County Staff Meeting
- Local Emergency Planning Committee
- Ozarks Watershed Committee Meeting
- Metropolitan Planning Organization
- Law Enforcement Neighborhood Watch Meetings
- Neighborhood Association Meetings
- Downtown Association Meetings
- Radio Amateur Communications Emergency Service
- County Mayors Meetings
- Greene County Fire Chiefs
- Greene County Watershed

**Quarterly:**

- Southwest Missouri Emergency Support Organization Meeting
- Public Safety Collaborative
- County Safety and Security Meeting
- Regional Homeland Security Oversight Committee

**Bi-Annual:**

- County Commission – City Mayors Meetings

**Recommendations**

Recommended improvements include expanded mutual aid agreements among neighboring jurisdictions, improve the capabilities of the EOC, additional warning sirens as the coverage areas grow, fund identified, but currently non-funded storm water projects, design/enhance recommendations to reduce impervious surfaces (especially in flood prone areas), fund public education campaigns concerning hazard awareness and mitigation actions, work with DNR and local private dam owners to promote dam safety and maintenance.

Additionally, Missouri's Structural Assessment and Visual Evaluation (SAVE) Coalition facilitates the use of volunteer engineers, architects and qualified building inspectors who perform damage assessments of homes following disasters such as earthquakes, floods and tornadoes. The SAVE Coalition can provide sound advice to the community and citizens concerning the safety of reentering their homes following a disaster, with the added intent of minimizing the need for sheltering by keeping people in their homes as much as safely feasible.

## Capability Assessment: City of Springfield

### Development Plans

#### *Vision 20/20*

In order to begin the process of developing a mitigation plan for the city of Springfield one must consider current plans for the city's development. The Vision 20/20 process, which first began in 1994, continues. Springfield undertook a community-driven planning process where citizens – working with City and County staff and a nationally recognized consulting firm – identified distinct visions for various issues, and then developed actions and policies to implement what became the comprehensive plan. The plan was designed for a 20-year timeframe subdivided into a series of five-year-plans. Since then, the community has supported Vision 20/20 priorities by passing a number of referendums directly related to those goals.

Several issues from the original Vision 20/20 focus groups will be revisited and several new topics will be added. The focus areas for Vision 20/20 – The Future is Now include, among other things, creation of affordable housing spaces, development of the center city region, growth management and land use and expansion of public transportation.

#### Affordable Housing

The city recognizes a need to provide affordable and adaptable housing units that can service a diverse segment of the population. These units would provide accommodation options for people with low to moderate income and/or special needs. The following is an example of some measures being taken by the local government to provide such housing.

1. Supporting and expanding home repair programs. New programs may be created if those existing are not adequate.
2. Encouragement of universal design in housing that will make residences able to meet the needs of the elderly and disabled.
3. Enforcement of existing health and building codes on residential property owners.
4. Encouragement of employer assisted homeownership programs.
5. Continuing the Springfield Police Department's Landlord Training Program.

#### Center City Plan

Revitalization of Springfield's downtown area should not only improve the quality of the local community but also carries the potential to attract further business to the Springfield-Greene County region.

1. Supporting community arts events
2. Creation of a mixture of low to moderate income housing in the downtown area
3. Promotion of the private investment in and redevelopment of the downtown area's fringe neighborhoods.

4. Preservation of buildings with historic, architectural, or cultural significance.
5. Promotion of mixed development downtown that can accommodate residential, retail, and entertainment venues.
6. Increase the availability of hotel accommodations in the downtown area.
7. Completion of the streetscape project.

#### Growth Management and Land Use

The goal of Springfield-Greene County's development plan focuses on cost-effective growth that will preserve the community's quality while fostering economic potential.

1. Implementation of a unified development ordinance to be used throughout the urban service area.
2. Strategic annexation of land surrounding Springfield.
3. Prioritization of infrastructure maintenance in a bid to attract business.
4. Balancing southward fringe growth in Springfield with development to the north, northeast, and west.
5. Extension of city sewage service within the urban service area.
6. Encouraging heavy development of land already serviced by large highways to limit urban sprawl.
7. Creation and maintenance of public open space (parks for example).
8. Metropolitan planning that considers smaller cities to the south of Springfield and development in Christian County.
9. Conservation and protection of Greene County's natural resources.

#### Regional Strategic Plan

Given the Springfield-Greene County area's ties to regional communities, planning with these communities in mind adds potential for and improved regional economic and social base.

1. Coordination of transportation services on a multi-county level.
2. Ensure that labor skills are adequately balanced throughout the region.

#### Transportation

The availability of good public transportation and streets for private transportation remain an absolute need. What good is a commodity if it is inaccessible?

1. Construct residential areas with multiple points of ingress and egress where possible.
2. Fix gaps in sidewalks.
3. Improve substandard streets.

Citizen input will again be a vital component of the process. City and County staff will work with citizen groups already established in those areas and offer numerous opportunities for general public input.

The process will include creating a Scorecard to document Vision 20/20's progress in implementing 100 policies for smart growth. A storefront will be established to display the efforts and successes of the Vision 20/20 groups. Citizens will be invited to public meetings and events to review the effort as it proceeds.

### **Building Codes**

The City of Springfield is a Class 1 city with municipal government provided by the City Charter shall be known as a "council-manager government." Pursuant to the provisions of the Charter and subject only to the limitations imposed by the state constitution and by the Charter, all powers of the city shall be vested in an elective council which shall enact local legislation, adopt budgets, determine policies, and appoint the city manager, who shall execute the laws and administer the government of the city.

The city has all powers of local self-government and home rule, and all powers possible for any city to have under the constitution and laws of Missouri, or those powers which the legislature would be competent to grant; except as prohibited by the constitution or laws of the state, the city may exercise all municipal powers, functions, rights, privileges and immunities of every name and nature whatsoever. Such powers are exercised in the manner prescribed in the Charter, or, if not prescribed, in such manner as may be prescribed by the council.

Springfield has adopted the 2006 version of the International Building code, International Residential code, International Mechanical code, International Plumbing code, International Fuel Gas code, International Private Sewage Disposal code, International Fire code and the 2005 National Electric code.

The City has also put into place, ordinances related to apartment safety, housing, dangerous buildings, and zoning, all of which establish regulations and standards for ensuring the safety and welfare of the occupants.

### **Planning & Zoning**

Springfield is a zoned community where business, industry and residential development are controlled to allow good neighbors to live in a growing community.

### **Capital Improvements Program Planning**

The following strategies, endorsed by the City Council, and recognized as the underlying philosophy of the Capital Improvements Program:

1. The City of Springfield's primary responsibility is the protection of life, health, and public safety. Projects which address serious health and safety needs should receive the highest rating.
2. Improving the City's existing infrastructure also rates high. Projects which improve the efficiency and effectiveness of the City's basic service systems; and projects which enhance City government's ability to provide basic services should receive the second

highest rating. The City Council states as a matter of policy that, all other considerations being equal, improvement of existing infrastructure should rate higher than construction of new infrastructure improvements.

3. Construction of new infrastructure improvements (new streets, new parks, greenways, etc.) is necessary to keep up with the community's growth.

### **Mitigation Programs**

The main mitigation programs is in the area of floodplain management (regulations updated 2002) and participation in the National Flood Insurance Program (NFIP). Floodplain Management programs are based on policies to protect the general welfare and health of county residents. The programs are designed to safeguard health, safety and property in times of flood; restrict avoidable increases in flood size; mitigate losses at the time of construction of public facilities; and protect the public from buying land unsuited for the intended use due to flood hazards.

The Federal Clean Water Act requires certification for any construction, placement, and disposal of fill material or earth movement within a floodplain or body of water. After serious flooding in 1993, floodplain regulations were revamped and continue to be scrutinized.

The City of Springfield participates in the National Flood Insurance Program. The city's floodplain ordinance requires all structures in floodplains to be placed 12 inches above the Base Flood Elevation (BFE) or 100-year water surface elevation as established by FEMA. This ordinance also restricts development in floodways to those developments that will cause no increase in the BFE. This ordinance has had a positive effect on storm water quality, erosion, and pollution runoff into streams and tributaries by causing buffer strips to develop along major waterways. The City of Springfield currently has 129 NFIP policies in effect.

The county and city floodplain regulations are aimed at restricting new development in floodplains. Following the 1993 floods, the county and city instituted a property acquisition program. This program is funded through FEMA's Hazard Mitigation Grant Program. 120 properties (110 homes, 10 vacant properties) have been purchased in Springfield. The Springfield properties have been acquired with a combination of grants and Storm water Level Property Tax monies, totaling \$9 million since 1993.

It should be noted however that in 2008 FEMA released updated Flood Insurance Rate Maps that changed the boundaries of some floodplains in Greene County. As a result of this change some properties previously listed as floodplains are no longer categorized as such. Other properties, previously not listed as such, are now considered to be in floodplains.

Storm water regulations are designed to minimize the harmful effects of erosion, sedimentation, and flooding from storm water runoff. This is accomplished by measures to mitigate erosion both during and after construction, the detention and controlled discharge of differential run-off from development, and a well designed storm water conveyance system.

**Other Capabilities**

1. The county and city are able to receive National Weather Service warnings. A vast number of the population can be alerted within 15-20 minutes (estimated) of an incident, responders within 3-5 minutes and key officials within 15 minutes.
2. Public school students receive curricular training on hazards and emergency programs during the school year. Businesses, preschools, private organizations, community leaders, and averages citizens have been exposed to emergency preparedness training.
3. Geographic Information Systems (GIS) capabilities allow for limited hazard areas base maps to be available to interested parties.

The capabilities of emergency management, fire protection, law enforcement, emergency medical services are detailed in Section 2.

**Intergovernmental and Interagency Coordination**

The following meetings occur on a routine basis:

**Weekly Meetings:**

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**Monthly Meetings:**

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- Ozarks Watershed Committee Meeting
- Metropolitan Planning Organization
- Law Enforcement Neighborhood Watch Meetings
- Neighborhood Association Meetings
- Downtown Association Meetings
- Radio Amateur Communications Emergency Service
- County Mayors Meetings
- Greene County Fire Chiefs
- Watershed Meetings

**Quarterly:**

- Southwest Missouri Emergency Support Organization Meeting
- Public Safety Collaborative
- County Safety and Security Meeting
- Regional Homeland Security Oversight Committee

**Bi-Annual:**

- County Commission – City Mayors Meetings

<b>Capability Assessment: City of Ash Grove</b>
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**Personnel***Table 5D.1 City of Ash Grove Personnel Figures.*

Type of Personnel	Quantity Available
Police	4
Administrative	2
Elected Officials	5
Disaster Reservists	5
Emergency Management	1
Public Works	4

The City wishes to have an increase in the number of staff available.

**Equipment***Table 5D.2 City of Ash Grove Equipment Figures.*

Type of Equipment	Quantity Available
Police Vehicles	3
Digital Camera	1
800 MHz Radios	12
Computers	6
Pick-Ups	2
Dump Trucks	2
Backhoe	1
Tractor	2
Chainsaw	1
Cellular Phone	1
Printers	2
Weather Radio	2

**Facilities**

The Ash Grove Police Department operates out of City Hall. The Public Works Department has several facilities. They include:

- Water/Sewer System;
- Waste Water Treatment Plant;
- Lift Station;
- 2 Operating Wells;
- 2 Water Storage Tanks;
- Street System;
- 1 Public Works Department Building;
- 1 Small Building for Equipment Storage; and

- 1 Small Building for testing Treatment Plant Equipment.

The administrative staff works out of City Hall, which is also the location for the primary EOC. The second EOC site is the Barham House.

**Organization**

The Planning and Zoning group consists of six volunteers and the Mayor of Ash Grove. They work on land use changes and find ways to mitigate flooding. The City has building codes, an EOP and an Emergency Management Team in place.

**Back-Up Systems**

There is a generator located at the following facilities:

- City Hall;
- East Water Well;
- Waste Water Treatment Plant; and
- Waste Water Lift Station.

Hand-held radios are the back-up form of communications, and there is a call tree list for the Emergency Management Team.

**Capability Assessment: City of Battlefield**

**Personnel**

The City of Battlefield has a total of five full-time city staff, one part-time staff member, one additional full-time member who splits time between city and law enforcement duties, and four full-time police officers. In addition, the city has a full-time police chief and a full-time city administrator.

In addition to staff, there are seven elected officials, six aldermen and a mayor. Battlefield also has 17 volunteers on various boards that include a certified surveyor and a civil engineer.

Emergency Management services are provided by Greene County, with fire protection provided by the Battlefield Fire Protection District. All engineering services are provided through a contract engineering firm.

As the city grows, more staff will be needed to meet citizen needs.

*Table 5D.3 City of Battlefield Personnel Figures.*

Type of Personnel	Quantity Available
City Staff	7.5 FTE
Police	5 FTE
Planning and Zoning	7 Volunteers
Aldermen	7 Volunteers
Economic Development	5 Volunteers
Park Board	5 Volunteers

**Equipment**

Currently, the city has six hand-held radio units for the police. Five are in current use with one as back-up. There is one base unit in the police station and five mobile units in police cars. There are no radios allowing communication capabilities on the city side.

Battlefield has ten desktop computers of various ages. Five are located with city staff, one with the court clerk and four with the police department. There are also three laptops: one with the police car on duty, one with the city inspector and one in the mayor’s office.

Updates of inclement weather or potential disasters are only received via a single emergency services radio, phone updates from police or from radio and radar accessed through the Internet. Should the power go off, there is no battery or generator that will allow access to this vital information.

Battlefield currently has two hazard warning sirens located inside city limits. These sirens cover the central and south sections of the city. The northern and eastern quadrants are covered by sirens located adjacent to the City of Battlefield in the City of Springfield or unincorporated Greene County. The western side of the city has no direct siren coverage with those on the extreme western boundary not able to hear sirens from inside their residences.

The equipment meets the city’s basic needs. To be able to better serve the citizens and provide better response in emergencies, a back-up electrical source is needed, along with a two-way radio to allow city communication capabilities and an additional siren in the western quadrant of the city.

*Table 5D.4 City of Battlefield Equipment Figures.*

<b>Type of Equipment</b>	<b>Quantity Available</b>
Radios	6
Car Radios	5
Base Unit	1
Computers	10
Laptops	3
Pickups	3
Police Cars	5
Tractor	1
Servers	3
Sirens	2

**Facilities**

Battlefield has a new city hall built in 2005. The old city hall was destroyed in a tornado event in 2003. A community center and police station are located within city hall. There is no emergency shelter located in or adjacent to city hall. Within the city, there are only two community shelters. One is located at the Fire Protection District and the other at the First Baptist Church. These are open to the public during severe weather. There is also one Springfield Public School building located within the city limits.

Battlefield has scant resources to provide public shelters incase of severe weather, and in the event of a disaster, has scant resources to provide post disaster relief to citizens.

**Organization**

The only organization within the City of Battlefield is the Battlefield Chamber of Commerce. It consists of approximately 40-50 member businesses, few of which are actually located within the city limits.

**Back-Up Systems**

The City of Battlefield has three servers, one master and two subordinates. These are located in three separate parts of the building and serve to back-up the computers located in the court, police side and city side. There are no off-site back-up facilities in use. Office-site back-up information storage would allow the City of Battlefield to reconstruct all files in the event of a disaster.

**Capability Assessment: City of Fair Grove**

**Personnel**

Listed below are the personnel figures for the City of Fair Grove:

*Table 5D.5 City of Fair Grove Personnel Figures.*

<b>Type of Personnel</b>	<b>Quantity Available</b>
Police Officers	4
Reserve Officers	1
Emergency Management Director	1

**Equipment**

Listed below are the equipment figures for the City of Fair Grove:

*Table 5D.6 City of Fair Grove Equipment Figures.*

<b>Type of Equipment</b>	<b>Quantity Available</b>
City Police Cars	3
Computers	3
Portable Radios	5
Mobile Radios	3
Base Radio	1
Storm Sirens	5
Water Towers	2
Tractors	2
Dump Truck	1

**Facilities**

The City of Fair Grove has a City Hall.

**Organization**

The City of Fair Grove implements Planning and Zoning ordinances and Building Codes, as appropriate.

**Back-Up Systems**

The City of Fair Grove currently lacks any back-up systems.

<b>Capability Assessment: City of Republic</b>
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**Personnel**

Listed below are the personnel figures for the City of Republic:

*Table 5D.7 City of Republic Personnel Figures.*

Type of Personnel	Quantity Available
Law Enforcement (Full-Time)	24
Auxiliary Law Enforcement	9
Fire Personnel (Full-Time)	21
Fire Personnel (Reserve)	19
Emergency Management Director	1
Emergency Management Personnel (Part-Time)	8

To comply with national response standards, the City of Republic needs additional personnel (minimum six firefighters, seven police officers and one full-time emergency management staff).

**Equipment**

Listed below are the equipment figures for the City of Republic:

*Table 5D.8 City of Republic Equipment Figures.*

Type of Equipment	Quantity Available
Police Department Vehicles	15
Fire Department Vehicles	13
Office of Emergency Management Vehicle	1
Police Department Computers	25
Fire Department Computers	9
Office of Emergency Management Computers	3
Police Radios (800 MHz)	50
Fire Department Radios (800 MHz)	45
Office of Emergency Management Radios (800 MHz)	15

The City of Republic could use additional police vehicles to provide assigned vehicles to officers and major emergencies. Additional wireless computer access in vehicles would also be valuable. In order to better communicate with surrounding counties (e.g. Christian and Lawrence); cross-band repeating interface would be useful.

**Facilities**

The City of Republic has two fire stations with living quarters and assembly rooms. The Republic Police Department has their own facility with holding capabilities. The Police Department also houses the City of Republic Emergency Operations Center, located in the basement. The facilities would like video conferencing capabilities

**Organization**

The City of Republic has a Planning and Development Department in conjunction with a Geographical Information Systems Department. All current International Codes have been adopted by ordinances which include International Building, Fire and Electric Codes. The City of Republic also has an Emergency Operations Plan.

**Back-Up Systems**

The City of Republic has redundant radio systems and a redundant 911 Dispatch with second P.S.A.P. All office facilities have alarm systems with the exception of the Planning and Development Building. The City would like to complete a Fiber Optic Loop between facilities. Further, a second location is needed to establish a second computer server set for the City Network. Finally, Republic needs to complete fire alarming of all City facilities and support structures.

<b>Capability Assessment: City of Strafford</b>
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**Personnel**

Listed below are the personnel figures for the City of Strafford:

*Table 5D.9 City of Strafford Personnel Figures.*

Type of Personnel	Quantity Available
Police Officers	10
Emergency Management Director	1
City Manager	1
City Clerk	1

The City of Strafford would like to expand their Office of Emergency Management.

**Equipment**

Listed below are the equipment figures for the City of Strafford:

*Table 5D.10 City of Strafford Equipment Figures.*

Type of Equipment	Quantity Available
Storm Sirens	3
Water Towers	3
Backhoe	1
Dump Truck	1

The City of Strafford would like to upgrade and provide additional new devices to improve their communications technology.

**Facilities**

The City of Strafford has one police station, a City Hall building and a maintenance building. In the future, Strafford would like to establish an Emergency Operations Center equipped with communication devices.

**Organization**

The City of Strafford has a Planning and Zoning Committee to ensure International Building Codes are enforced. The City also has an Evacuation Plan and an Emergency Operations Plan. Additionally, there is a Board of Adjustments and City Council.

**Back-Up Systems**

Generators, radios and a computer server are part of Strafford's back-up system. Additional emergency communications equipment would enhance and support the City of Strafford.

<b>Capability Assessment: City of Willard</b>
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**Personnel**

Listed below are the personnel figures for the City of Willard:

*Table 5D.11 City of Willard Personnel Figures.*

Type of Personnel	Quantity Available
Police Officers	12
Emergency Management Director	1

**Equipment**

Listed below are the equipment figures for the City of Willard:

*Table 5D.12 City of Willard Equipment Figures.*

Type of Equipment	Quantity Available
Patrol Cars	6
Computers	30

**Facilities**

The City of Willard has the following facilities:

- One Police Station;
- Four Sanitation Areas; and
- One Emergency Operations Center.

**Organization**

The City of Willard has a Planning and Zoning Director who enforces building codes and ordinances. Willard also has an Emergency Operations Plan and an evacuation route.

**Back-Up Systems**

There is one back-up server for the City. HAM radio capabilities and 800 MHz radios are used as back-up communication resources.

<b>Capability Assessment: Ash Grove School District</b>
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**Personnel**

Listed below please find the personnel resources for the Ash Grove School District:

*Table 5E.1 Ash Grove School District Personnel Figures.*

Type of Personnel	Quantity Available
Registered Nurses	2
LPN	1
Fluent in Spanish	2

The school district lacks a resource officer and a drug dog, which would be invaluable for the Ash Grove School District and the City of Ash Grove

**Equipment**

Listed below are the equipment figures for the Ash Grove School District:

*Table 5.E2 Ash Grove School District Equipment Figures.*

Type of Equipment	Quantity Available
Cell Phones	7
Two-Way Radios	10
School Reach	1
Buses	14
Phone/Internet/Computer	Numerous
Portable Generators	2
Fuel Storage	0

While all the administrators have cell phones, the district would like to upgrade the phones to smart phone capabilities. The two-way radios are great for local communication, but tend to lose reception in power outages. The School Reach is an effective tool for the district as it allows parents to be reached quickly. The portable generators are not sufficient for carrying the load to run the school in the event of a power outage.

**Facilities**

All but one of the schools has access to a basement in the event of inclement weather. The school that lacks a basement does not have a safe room or adequate shelter for severe weather.

**Organization**

The Ash Grove School District has three practices in place to keep the schools organized and safe. Each school has lockdown abilities, calling trees and emergency plans.

**Back-Up Systems**

At this time, the Ash Grove School District has very few, if any, redundant systems that would help provide communication, electricity, water, etc in times of need. The one service that is provided, however, is emergency lighting in each school.

<b>Capability Assessment: Fair Grove School District</b>
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**Personnel**

Listed below please find the personnel resources for the Fair Grove School District:

*Table 5E.3 Fair Grove School District Personnel Figures.*

<b>Type of Personnel</b>	<b>Quantity Available</b>
School Resource Officer	1
IT Expert	1
Spanish Teacher	1
Special Education Teacher/Aide	4
Maintenance Workers	3
Nurses	2
Counselors	3
Licensed Psychologist	1

The School Resource Officer is POST certified, carries a handgun for security at all times and an 800 MHz Radio for communication with emergency officials. The maintenance workers assist with water, electrical and gas issues in all of the facilities and provide tools for any necessary repairs. The nurses are certified in CPR and First Aid for all ages. The licensed psychologist assists the counselors and offer ongoing support for post-traumatic stress.

**Equipment**

Listed below are the equipment figures for the Fair Grove School District:

*Table 5E.4 Fair Grove School District Equipment Figures.*

<b>Type of Equipment</b>	<b>Quantity Available</b>
800 MHz Radio	1
Weather Alert Radios	2
Computers	50
Cell Phones	15
Land Line Telephones	40
Intercom System	1
Security Camera Systems	3
Buses	18
ALERT NOW System	1

The Fair Grove School Resource Officer carries the 800 MHz radio. Five weather alert radios throughout the district are located in the office of each of the following buildings: Fair Grove High School, Fair Grove Junior High School, Fair Grove Elementary, Fair Grove District Office and the School Resource Officer's Office. The 15 cell phones are distributed to building administrators, the school resource officer, custodial supervisor, superintendent, maintenance supervisor and various bus drivers for communication before or after school hours.

The three main buildings have a security camera system, which includes coverage of the exterior of the buildings. This camera system is used daily for investigative purposes but is also a great resource for emergency situations.

**Facilities**

Listed below are the facilities currently in use by the Fair Grove School District.

*Table 5E.5 Fair Grove School District Facility Figures.*

<b>Type of Facility</b>	<b>Quantity Available</b>
Metal Agriculture Building	1
Rock Industrial Arts Building	1
High School	1
Junior High School	1
Elementary School	1
Mobile Classroom Buildings	2

The Fair Grove School District would like to increase the safety of these buildings and provide additional measures, such as storm shelters or safe rooms, due to the frequency in which the school experiences damage from high wind events and tornados.

## Capability Assessment: Logan-Rogersville School District

### Personnel

The Logan-Rogersville School District is comprised of approximately 2,250 students and six main buildings. The district employs six full-time nurses, and with the exception of the Alternative School, assigns one nurse to each facility. The district also has a full-time school resource officer.

The Logan-Rogersville High School has three teachers that are bilingual and speak the following languages:

- Spanish;
- Hungarian;
- French;
- German; and
- Italian.

The Primary School has three teachers that are bilingual. Two speak Spanish and one is versed in Sign Language.

### Equipment

The Logan-Rogersville School District has 916 computers that are distributed amongst staff and computer labs. Each teacher has a computer in the classroom and the remaining computers are placed in labs for student use.

Each building also has a phone system in place that also serves as an intercom. There is a communications plan in place that would send out text messages to all cell phones of parents and students in the district in the event of an emergency.

The Logan-Rogersville High School has a video security system in place with approximately 48 security cameras that are placed in both the interior and exterior parts of the building. There are six additional exterior cameras operating at the Middle School, and one security camera in the Elementary School. Weather Alert radios are also in each of the District's buildings.

The District also has numerous two-way radios that are used for day to day operations. They do not have the capacity to communicate with outside agencies in the event of an emergency. The only radio with that capability belongs to the School Resource Officer.

### Facilities

The Logan-Rogersville District is comprised of six actual buildings. They are:

- Logan-Rogersville High School;
- Logan-Rogersville Middle School;
- Logan-Rogersville Upper Elementary School;
- Logan-Rogersville Elementary School;

- Logan-Rogersville Primary School; and
- Logan-Rogersville Alternative School.

With the exception of the Alternative School, all the buildings serve as storm shelters. The Logan-Rogersville School District also has a football stadium and an agriculture building that serve as storms shelters. However, all of these buildings lack generators or back-up power systems in the event of a power outage.

**Organization**

Each school building has an emergency lockdown procedure in place. Routine lockdown drills are practiced in each building.

**Capability Assessment: Republic School District****Personnel**

The Republic School District has 550 staff members that include instructors, administration and service personnel. There are two school resource officers and seven medical first responders.

**Equipment**

The Republic School District has 42 buses, one van and two utility trailers that help transport students to and from school. There are approximately 1,200 computers that are divided amongst seven servers in the district. Additionally, there are 57 VHF handheld radios and 40 VHF mobile radios. The district also has four 800 MHz radios.

**Facilities**

There are seven buildings in the Republic School District that range in size from 48,000 square feet to 250,000 square feet. The new high school, which will be completed in December of 2009, will be the largest building in the district.

**Organization**

Members of the Republic School Board are elected. School Administration includes a Superintendent, one principal and an assistant principal at each facility. The Republic School District does have their own Emergency Operations Plan and a Crisis Team.

**Back-Up Systems**

The District uses back-up servers and redundant data storage points. VHF radios are available in facilities to provide a second means of communication. The Republic Office of Emergency Management provides the district with 800 MHz radios for direct communication with local PSAP and 911.

## Capability Assessment: Springfield School District

### Personnel

Listed below please find the personnel resources for the Springfield School District:

*Table 5E.6 Springfield School District Personnel Figures.*

Type of Personnel	Quantity Available
School Police	21
Nurses	55
Technicians	78
Bilingual Staff	78

The Springfield School District would like to enhance their staffing figures through additional training, personnel, equipment, space and technology.

### Equipment

Listed below are the equipment figures for the Springfield School District:

*Table 5E.7 Springfield School District Equipment Figures.*

Type of Equipment	Quantity Available
Computers	12,000 +
Two-Way Communication	300
Telephone (Land Based)	4,000
Telephone (Cellular)	200
School Buses	152
District Vehicles	120
Intercom Systems	55

### Facilities

Listed below are the facilities currently in use by the Fair Grove School District.

*Table 5E.8 Springfield School District Facility Figures.*

Type of Facility	Quantity Available
Basements	37
Shelters	0

The Springfield School District would like to enlarge the safe space and construct multi-purpose room shelters for district and community use.

### Organization

There are more than 65 emergency procedures in place to adequately address individual site and district policies. These procedures are tests through table-top exercises. Additional funding would enhance the emergency procedures through both the planning process and exercises.

**Back-Up Systems**

There are 150 back-up servers used by the more than 12,000 computers in the district. There are 65 fire detection systems and EMCCS intercoms.

<b>Capability Assessment: Strafford School District</b>
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**Personnel**

Listed below please find the personnel resources for the Strafford School District:

*Table 5E.9 Strafford School District Personnel Figures.*

Type of Personnel	Quantity Available
School Resource Officer	1
Nurses	2
Bilingual Teacher: French	1
Bilingual Teacher: Spanish	1
Counselors	3
Special Education	15
Maintenance Staff	13
Technological Support	2

The Strafford School District believes they are properly staffed with enough personnel to contain an emergency until other resources arrive.

**Equipment**

Listed below are the equipment figures for the Strafford School District:

*Table 5E.10 Strafford School District Equipment Figures.*

Type of Equipment	Quantity Available
Computers	510
Landlines	157
Buses	19
Security Camera System	1
Weather Radio	5
800 MHz Radio	1
Handheld Radios	16
Intercom System	1
Lumen Alert System	1
Televisions for Alerts	4
Battery Back-Up For Phones	1

The firewalls on the computers are overloaded and need to be upgrades. Each staff member has an extension number for accessible communications. The buses are up to standards, but they need cameras installed. The buses could also use upgraded radios for better communications. Only part of the cameras work for the visual security system and need to be upgraded. All the weather radios work properly.

The district also needs more 800 MHz radios in case the school resource officer is not present. The handheld radios could use some upgrades to gain a larger coverage area. The cell phones are in excellent condition and were recently upgraded to have access to Doppler Radar.

The Lumen Alert System is up to date and was implemented in the previous school year, 2008-2009. The intercom could use an upgrade to provide better sound quality to all the buildings.

**Facilities**

The Strafford School District has 16 buildings with several locations designated for storm refuge designed by the Springfield-Greene County Office of Emergency Management. Additionally, there are four underground locker rooms. While this is adequate, the district believes that a 1,500 capacity storm room would better ensure the safety of students and staff during inclement weather.

**Organization**

All doors lock from the outside, and each building has a calling tree. Additionally, the district has emergency procedures in place and is in the process of making those procedures accessible through software to increase the amount of people and locations that can access them.

**Back-Up Systems**

Back-up batteries are available for phones. Each building also has fire alarms and a sprinkler system. The intercom system uses bells to alert students and staff of emergency situations.

## Capability Assessment: Walnut Grove School District

### Personnel

Listed below please find the personnel resources for the Walnut Grove School District:

*Table 5E.11 Walnut Grove School District Personnel Figures.*

Type of Personnel	Quantity Available
School Nurse	1
Bilingual Teacher	1
CPR Certified Staff	7
Health/Fitness Staff	2

The Walnut Grove School District has a great working relationship with local fire and police agencies. The district is searching for grant opportunities for a part-time school resource officer in conjunction with a local police agency.

### Equipment

Listed below are the equipment figures for the Walnut Grove School District:

*Table 5E.12 Walnut Grove School District Equipment Figures.*

Type of Equipment	Quantity Available
Telephone System	1
Computers	145
Buses	7
Tractor	1

During the power outage in 2009, the district noticed that the school phones did not have a battery back-up system. The district would like to have a back-up system to run both the intercom system and the computers during power outages.

### Facilities

The district lacks a storm shelter and would like to construct one to protect approximately 300 pre-kindergarten and kindergarten – 12<sup>th</sup> grade students.

### Organization

Lock-down procedures are in place. There are two emergency call lists. The district also has an emergency plan and an evacuation plan.

### Back-Up Systems

Fire detectors and burglar alarms are in place at district facilities. A back-up server is available, and the computers have a battery back-up. There is one video camera system in place. Five CO<sup>2</sup> detectors are in place.

**Capability Assessment: Willard School District**

**Personnel**

The Willard School District is the location for 4,104 students and 640 employees with a variety of skills and performance abilities. Daily operation is from 7:15 a.m to 3:45 p.m., Monday – Friday, with many sports and activities in the evenings and weekends in our school facilities. The regular school year begins the third week of August and runs to the last week of May. Summer school operates the month of June. To make this happen, the Willard School District has a variety of personnel, as identified in the table below:

*Table 5E.13 Willard School District Personnel Figures.*

<b>Type of Personnel</b>	<b>Quantity Available</b>
Administration	19
Certified Staff	312
Support Staff	44
Counselors	13
Nurse RN	3
Nurse LPN	5
Social Worker	2
School Police	2
Foreign Language	6
Maintenance	9
Food Service	40
Mechanics	2
Bus Drivers	40

**Equipment**

*Table 5E.14 Willard School District Equipment Figures*

<b>Type of Equipment</b>	<b>Quantity Available</b>
Phones in Rooms	286
Phone Lines	53
Public Address	11
Internet	11
Computers	1620
Two-Way Radios	40
District Radios	42
Weather Radios	3
E-Mail	All Staff
School Messenger	All Staff
Security Cameras	100
Motion Sensors	All Facilities
Trailers	5
Tractors	2
Mowers	3

The Willard School District maintains four independent servers, Internet, smart boards, e-mail and approximately 1620 computers. The phone system includes phones in each classroom and several hard lines into each building. Each school building is able to house a variety of communications efforts internally and externally. The district office is utilized as the command center for the district in the event of a crisis. An undisclosed site is used as an alternate, when necessary.

The district maintains 40 regular school buses and three handicap accessible buses to transport students and staff. During an emergency situation, the district has the ability to move students and staff to an alternative site, if deemed necessary.

Typically, the Willard School District maintains a food supply to serve 3,800 students on a daily basis. Dairy and bread products are delivered daily with produce service weekly. Dry and canned goods are stored for months at a time along with the state commodities. Bottled water and nutritious beverages are available in vending machines and extra product is stored to serve up to 700 individuals.

### **Facilities**

Each school building in the Willard School District is planned for a safe, secure environment for students, staff and parents. The facilities are designed for the grade levels and program associated with student needs.

### **Organization**

The following items are available in the Willard School District:

- Crisis Action Plan;
- Evacuation Drills;
- Storm Drills;
- Fire Drills;
- Relocation Plan; and
- Outdoor Stadium.

### **Back-Up Systems**

The following back-up systems are available in the Willard School District:

- Generators;
- Emergency Lights;
- Information Systems;
- Servers;
- Emergency Radios.

<b>Capability Assessment: Ash Grove Fire Protection District</b>
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**Personnel**

Listed below are the personnel figures for the Ash Grove Fire Protection District:

*Table 5F.1 Ash Grove Fire Protection District Personnel Figures.*

Type of Training	Number of Staff Trained
Paramedic	1
EMT	6
Hazmat Techs	1
First Responders	19

Ash Grove Fire would like to train more of its volunteers and have a variety of training to provide a more diverse department.

**Equipment**

Listed in the table below is all of the equipment available and used by the district.

*Table 5F.2 Ash Grove Fire Protection District Equipment Figures.*

Type of Equipment	Quantity Available
Engines	2
Tankers	2
Brush	2
Rescue	1
Radios (800 MHz) Mobile	8
Radios (800 MHz) Portable	27

All equipment is in need of being replaced and updated.

**Facilities**

There is one fire station for the Ash Grove Fire Protection District. The district would like to add another fire station that has the capability of being a storm shelter for the community members.

**Organization**

There are no emergency plans, evacuation plans or duty rosters for this district.

**Back-Up Systems**

The Ash Grove Fire Protection District currently does not have a back-up system.

<b>Capability Assessment: Bois D'Arc Fire Protection District</b>
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**Personnel**

The Bois D'Arc Fire Protection District has several responders that provide a variety of service based up on a diverse training background. The table below lists the type of classification and the quantity of individuals trained that serve the Bois D'Arc Fire Protection District.

*Table 5F.3 Bois D'Arc Fire Protection District Personnel Figures.*

Type of Training	Number of Staff Trained
EMT-B	7
FF 1 & 2	6
EMT-P	1
Hazmat Awareness	11
Hazmat Ops	5
Basic FF	9
First Responders	11

The Bois D'Arc Fire Protection District would like to continue training for all responders so they can achieve the highest level available.

**Equipment**

Listed in the table below is all of the equipment available and used by the district.

*Table 5F.4 Bois D'Arc Fire Protection District Equipment Figures.*

Type of Equipment	Quantity Available
Engines	2
Tankers	3
Brush	2
Rescue	1
Radios (800 MHz) Mobile	10
Radios (800 MHz) Portable	27
Radios (800 MHz) Base	1
Computer	1

The district would like to replace aging fleet as funding becomes available. Additionally, the district lacks access to the Internet and needs to purchase new and update existing software.

**Facilities**

There are currently two fire stations that are a part of the Bois D'Arc Fire Protection District. The district also has a burn/training tower. However, the district has outgrown Fire Station #1. Additionally, a combined training facility/conference room and a community storm shelter would enhance the facilities and the ability of Bois D'Arc Fire Protection District to continue protecting its constituents.

As more people are moving into the Bois D'Arc area, more residents are lacking adequate storm shelter.

**Organization**

To keep the district running smoothly, the Bois D'Arc Fire Protection District has the following documents, plans and procedures in place:

- Duty Roster;
- Emergency Operations Plan (EOP); and
- Evacuation Plan.

**Back-Up Systems**

There are ten fire extinguishers, eight VHR radios and one storm siren.

## Capability Assessment: Ebenezer Fire Protection District

### Personnel

The Ebenezer Fire Protection District classifies its firefighters into three categories. The categories, as with the number of personnel, are listed in the table below.

*Table 5F.5 Ebenezer Fire Protection District Personnel Figures.*

Type of Training	Number of Staff Trained
Medical	15
Hazmat	6
Firefighting Certified	15

### Equipment

The table below describes the type and quantity of equipment currently being used by the Ebenezer Fire Protection District.

*Table 5F.6 Ebenezer Fire Protection District Equipment Figures.*

Type of Equipment	Quantity Available
Radios (800 MHz)	50
Engines	5
Tankers	5
Brush Trucks	5
Service Trucks	3
Ladder Truck	1
Air Van	1
ATV	1
Utility Fuel Truck	1
Command Truck	1

The district would like to have more response equipment and more radios for a command center.

### Facilities

The Ebenezer Fire Protection District currently has four fire stations and believes they are in good conditions. In the future, the district would like to add another storm shelter.

### Organization

There is an emergency plan in place for the district, but they believe it could use some improvement to become a more resourceful and functional document.

### Back-Up Systems

The district currently has eight fire extinguishers and three pieces of communication equipment should they be needed. Ebenezer currently lacks back-up computers, fire detectors and additional staff.

<b>Capability Assessment: Fair Grove Fire Protection District</b>
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**Personnel**

The Fair Grove Fire Protection District has several responders that provide a variety of service based up on a diverse training background. The table below lists the type of classification and the quantity of individuals trained that serve the Fair Grove Fire Protection District.

*Table 5F.7 Fair Grove Fire Protection District Personnel Figures.*

Type of Training	Number of Staff Trained
First Responder	11
EMT-B	1
Hazmat Ops	4
Storm Spotters	7
Firefighters 1 & 2	6

The district can always use more firefighters, and of course, the district would like to continue training to keep a diverse background and a strong set of skills to protect the community.

**Equipment**

Listed below is a list of the equipment used by the Fair Grove Fire Protection District.

*Table 5F.8 Fair Grove Fire Protection District Equipment Figures.*

Type of Equipment	Quantity Available
Engines	4
Tankers	4
Brush Truck	2
Rescue	2
Utility Trucks	2
Desktop Computer	1

The district has several old trucks that need to be updated and replaced. The district also needs to repair several radios and provide new radios for new personnel.

**Facilities**

The district currently runs out of two fire stations. Fair Grove Fire would like to build a community storm shelter and update one of the older fire stations.

**Organization**

The Fair Grove Fire Protection District has emergency plans in place. However, there is always room for improvement in emergency planning and the district likes to update the plans as regularly as possible.

**Back-Up Systems**

Smoke detectors and fire extinguishers are available on all apparatus and in both fire stations. The truck radios are the only form of back-up communication for the district.

<b>Capability Assessment: Logan-Rogersville Fire Protection District</b>
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**Personnel**

The Logan-Rogersville Fire Protection District has more approximately twenty-six employees have a diverse training background. Administrative services, technical support, hazardous materials response, medical support and first response are just some of the services the district provides.

**Equipment**

Listed below is a list of the equipment used by the Logan-Rogersville Fire Protection District.

*Table 5F.9 Logan-Rogersville Fire Protection District Equipment Figures.*

Type of Equipment	Quantity Available
Engines	5
Ladder Trucks	2
Water Tankers	3
Rescue	1
Brush Truck	3
Hazardous Materials Trailers	2
Mechanic's Vehicle	1

The district has computers used for everyday business. From report writing and training to administrative functions, the district has more than 12 computers available for staff use. The sever for the Logan-Rogersville Fire Protection District is located at the main station, Station #1, located on State Highway 125.

**Facilities**

The district currently operates with six stations that serve Greene County, Christian County and Webster County.

**Organization**

The Logan-Rogersville Fire Protection District has emergency procedures in place for departmental use. Additionally, a few computers and one of the Hazardous Materials Trailers are available for Incident Command use when needed.

<b>Capability Assessment: Pleasant View Fire Protection District</b>
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**Personnel**

The table below lists the type of classification and the quantity of individuals trained that serve the Pleasant View Fire Protection District.

*Table 5F.10 Pleasant View Fire Protection District Personnel Figures.*

Type of Training	Number of Staff Trained
Medical	13
Hazmat	8
Fire	16
Driver	16

While the current personnel resources are adequate, the district would like to have more hazmat training, as it is the weakest point. The district feels it would be difficult to respond to any hazmat situation.

**Equipment**

Listed below is a list of the equipment used by the Pleasant View Fire Protection District.

*Table 5F.11 Pleasant View Fire Protection District Equipment Figures.*

Type of Equipment	Quantity Available
Trucks	6
Computers	2

The district would like to get another engine company and could use another engine.

**Facilities**

The district currently operates out of one fire station. In order to maximize the capability of Pleasant View Fire to respond to calls, the district would like to add a new station that has the capability of functioning as a community storm shelter.

**Organization**

The Pleasant View Fire Protection District does not have duty rosters, emergency plans or evacuation plans. This is one area that the district would like to improve upon.

**Back-Up Systems**

The Pleasant View Fire District would like to improve upon this area as well as they do not have any back-up systems or plans.

## Capability Assessment: Strafford Fire Protection District

### Personnel

The table below lists the type of classification and the quantity of individuals trained that serve the Strafford Fire Protection District.

*Table 5F.12 Strafford Fire Protection District Personnel Figures.*

Type of Training	Number of Staff Trained
FF I-II	20
Hazmat Ops	20
EMT	20
Paramedic	1
Registered Nurse	1
On Duty Personnel	5
Immediate Recall Personnel	4
Recall Personnel	10 (+)
NIMS 100 – 800	25
Fluent German	2
ICS Finance/Administration	1
ICS Command/General Staff	4

The Strafford Fire Protection District recently incorporated full-time paid firefighters. With this change, there are five firefighters on duty 24 hours a day with the possibility of calling an additional 11 paid firefighters for assistance. Strafford also maintains its volunteer firefighters which average between 15 – 20 members historically. Depending on the time of day and circumstances, the district is able of calling an additional 10 – 15 certified firefighters for emergency situations. As noted in the table, the training of this district is diverse, but training is ongoing and requires an update on a monthly basis to be completely accurate.

### Equipment

Listed below is a list of the equipment used by the Strafford Fire Protection District.

*Table 5F.13 Strafford Fire Protection District Equipment Figures.*

Type of Equipment	Quantity Available
Rescue Vehicles	5
Portable Air/Rehab	1
Fire Engines	3
Brush Fire Vehicles	2
2000 gallon Tenders	6
Still Water Rescue Boat and Motor	1
Service Pickup	1

Strafford Fire maintains its property in a constant state of readiness. All vehicles are well maintained and in service. Three of the rescue vehicles have extraction equipment on them. These vehicles are maintained to the ISO service truck standards. These vehicles are four wheel

drive and very reliable in storms. All three of these vehicles were obtained through the Missouri Conservation Program.

Two of the rescue vehicles are light duty four wheel drive and very capable of carrying supplies and personnel during emergency needs.

The portable air rehab vehicle has a portable mounted air cascade system capable of resupplying breathing air to firefighters on any scene. This vehicle is also equipped with snacks and water for rehab purposes. Seasonally, this vehicle has a portable water cooled fan to rehab hot workers during incident mitigation. This vehicle is available for any requesting agency and was obtained through the Missouri Conservation Program.

The fire engines are maintained to the ISO Fire Engine Standards. They are located at stations one, two and four. Since the newest engine was manufactured in 1987, the district is continuously seeking grants to update it.

One of the brush trucks is four wheel drive with 250 gallons of water. The other is a two wheel drive with 2000 gallons of water. Both vehicles are equipped with off road capabilities and are able to pump water while in motion.

The service pickup is and will be used in a disaster to transport supplies, as needed.

Strafford Fire apparatus is properly maintained. Nevertheless, many pieces lack current safety devices found on newer apparatus. Three of the front line engines need to be replaced, along with the brush tanker.

### **Facilities**

The district currently has four fire stations.

### **Organization**

Strafford Fire maintains mutual aid agreements with all adjoining fire districts. The district responded to approximately 850 calls in 2008, and has seen a 10 – 20% increase in calls for service each year.

### **Back-Up Systems**

Listed below please find devices that help complete the Strafford Fire Protection District's back-Up System.

*Table 5F.14 Strafford Fire Protection District Back-Up Systems.*

<b>Type of Equipment</b>	<b>Quantity</b>
Free Standing Generators	3
Fixed Station Generators	2
Vehicle Mounted Generators	2
Office Computers (Net)	2
Copy Machines	3
VHF Radios	10
Interoperability VHF Radios	7

800 MHz Radios	17
VHF Repeater System	1
Alpha Numeric Pagers	25
Digital Capable Televisions	2
Cable Enhanced Televisions	1

Strafford Fire currently serves life and property in two adjoining counties, Greene and Webster. Since we have additional county coverage requirements and the two counties use different types of communications (e.g. VHF radio v. 800 MHz radio), we are forced to equip our vehicles and personnel with complimenting radios. With the current inventory, the Strafford Fire Protection District is marginally capable of communicating with Webster County and strongly capable of communicating with Greene County.

Strafford Fire currently maintains a separate ‘repeater’ system for duplication of VHF communications within the district in the event of disaster and county operated systems fail. Strafford Fire recognizes the expense of replacing lost or broken radios, and to alleviate those costs, rents alpha numeric pagers for volunteer personnel to alert them of calls. At the time of the alert, the firefighter then uses their assigned radio for additional communications.

There are three copy machines that may be utilized in the district.

Due to the rural location of the district, loss of power is a likely. There are two propane fueled generators that are automatically wired into the concrete stations. For the other stations and buildings, there are three free standing generators. Two of the vehicles have generators mounted on them. The three portable and two vehicle generators are capable of relocating to the area needed in the event of a disaster.

There is one television at each station and one at the personal quarters for news and weather alerts.

#### Recommendations for Future Improvements

- Purchase 11 mobile and 17 handheld VHF radios; five mobile and ten handheld 800 MHz radios.
- Purchase five larger generators to operate beyond 50% capacity if the stations lose power.
- Acquire seven digital televisions to have one at each station and two in each concrete station.
- Acquire two more copy machines.

## Capability Assessment: Willard Fire Protection District

### Personnel

The Willard Fire Protection District places great emphasis on higher levels of training for its staff. The district would like to enhance the training of its personnel by providing better training facilities, which is in the planning process.

*Table 5F.15 Willard Fire Protection District Personnel Figures.*

Type of Training	Number of Staff Trained
Medic	3
RN	2
EMT-B	15
First Responder	9
FF 1 & 2	22
Hazmat Tech	1
Hazmat Awareness	26
Hazmat Operations	24
FF Basic	14

### Equipment

Listed in the table below is all of the equipment available and used by the district.

*Table 5F.16 Willard Fire Protection District Equipment Figures.*

Type of Equipment	Quantity Available
Engines	3
Ladder Truck	1
Command Rescue	1
Medical Rescue	2
Tankers	4
Brush Trucks	3
800 MHz Radios (Mobile)	15
800 MHz Radios (Portable)	67
800 MHz Radios (Base)	2
800 MHz Radios (Ham)	2
Computers	9
Sever	1
Manual Backup	1

The Willard Fire Protection District would like to upgrade the communications equipment, but the constant need to keep communications technology up to date is both time consuming and financially burdensome.

### Facilities

There are three fire stations and one training and administration building. The district has outgrown both Station #1 and Station #2. The district is currently in the planning stages of

replacing Station #1. One consideration the district has when designing this facility is building a storm shelter, because the city currently a place to go during inclement weather.

**Organization**

The Willard Fire Protection District has a Duty Roster, Emergency Operations Plan and an Evacuation Plan.

**Back-Up Systems**

Listed below are the back-up systems available in the Willard Fire Protection District:

*Table 5F.17 Willard Fire Protection District Back-Up System Figures.*

<b>Type of Equipment</b>	<b>Quantity Available</b>
Fire Extinguishers	12
Ham Radios	2
Full VHF Base & 100 ft. Tower w/ Repeaters	1
VHF Portable Radios	35
VHF Mobile Radios	16
V-Tac Narrow Band	6
Emergency Generator	4
Command Generator	1

Several members of the district are licensed HAM operators who possess portable HAM radios for emergency use by the department as well.

**Capability Assessment: Missouri State University****Personnel**

Listed below are the personnel figures for Missouri State University.

*Table 5G.1 Missouri State University Personnel Figures.*

<b>Type of Personnel</b>	<b>Quantity Available</b>
Public Safety Officers	22
Springfield Police Officers	10
Nurses	10
Doctors	10
Bilingual	Many

**Equipment**

Missouri State University has thousands of computers, a text messaging service, land-line phones, computer messaging, an outside alert system and an audio security system.

**Facilities**

There are three arenas on campus. Most of the buildings have basements.

**Organization**

Missouri State University does have an Emergency Response Plan.

**Back-Up Systems**

There are intrusion and fire alarms in the buildings on campus.

**Capability Assessment: Ozarks Technical Community College****Personnel**

There are 500 full-time and 700 part-time employees at Ozarks Technical Community College (OTC). One hundred and fifty individuals participate in the work study program. There is one campus physician and 59 off duty police officer employees on campus.

**Equipment**

There are 2,820 computers total on all OTC campuses. Six hundred ninety-three telephones are on the main campus.

**Facilities**

There is one Early Childhood Education Center on the main campus and it has a basement. An underground storage facility located near Lot "D". The campus currently does not have a storm shelter.

**Organization**

OTC has a mass media notification system that includes notification through the website, text messaging, voice mail and a telephone alert system to notify employees and students.

**Back-Up Systems**

OTC currently does not have a back-up system for fire alarms or fire detection devices. There is a generator in the event of power outages on the west side of ITTC.