

RESOLUTION 20-R-02 adopting the 2016 Revision of the Rutherford County Hazard Mitigation Plan.

WHEREAS, the City of Murfreesboro recognizes the threat that natural hazards pose to people and property; and

WHEREAS, undertaking hazard mitigation actions before disasters occur will reduce the potential for harm to people and property and save taxpayer dollars; and

WHEREAS, an adopted hazard mitigation plan is required as a condition of future grant funding for mitigation projects; and

WHEREAS, the Rutherford County Hazard Mitigation Plan must be revised and approved on a scheduled period of every five years; and

WHEREAS, the City of Murfreesboro participated jointly in the planning process with the other local units of government within Rutherford County to prepare the Hazard Mitigation Plan; and

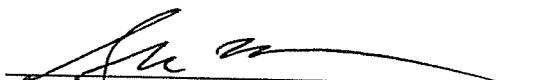
WHEREAS, in a letter dated April 27, 2017, that the Federal Emergency Management Agency has reviewed the revision of the Rutherford County Hazard Mitigation Plan and determined that this revision is compliant with federal standards in 44 CFR 20 1.6(b)-(d) subject to formal community adoption.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MURFREESBORO, TENNESSEE, AS FOLLOWS:

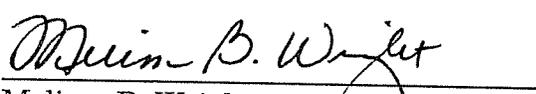
SECTION 1. The City of Murfreesboro hereby adopts the 2016 Rutherford County Hazard Mitigation Plan as an official plan, a copy of said Hazardous Mitigation Plan being attached hereto as Exhibit "1" and incorporated herein at length verbatim as if set forth herein.

SECTION 2. This Resolution shall be effective immediately, the public welfare and the welfare of the City requiring it.

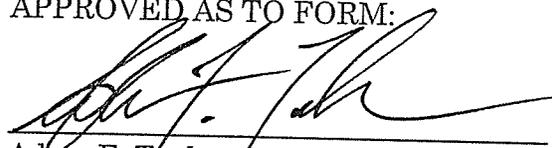
Passed: February 27, 2020


Shane McFarland, Mayor

ATTEST:


Melissa B. Wright
City Recorder

APPROVED AS TO FORM:


Adam F. Tucker
City Attorney



RUTHERFORD COUNTY HAZARD MITIGATION PLAN

INCLUDING:

**COUNTY OF RUTHERFORD
CITY OF MURFREESBORO
TOWN OF SMYRNA
CITY OF LAVERGNE
CITY OF EAGLEVILLE**

January 2016

Prepared by:
Rutherford County Emergency Management Agency
Rutherford County LEPC- Hazard Mitigation Committee
Rutherford County Engineer

PREFACE

Natural Hazards are inevitable. Floods, tornadoes, earthquakes, wildfires and other hazardous events are normal occurrences in the natural environment. Disasters, however, occur when human activity (e.g., farming) and the built environment (e.g., structures) intersect with a natural hazard. Although natural hazards cannot themselves be managed, many disasters can be avoided or mitigated. That is to say, the course or magnitude of an earthquake cannot be managed but the characteristics of the built environment that will be subject to that earthquake can be managed. An important task of local officials, and the purpose of a hazard mitigation plan, is to identify and to minimize or eliminate the impact of natural hazards on human activity and the built environment within their communities. Technological hazards are those caused by commonplace tools, machines, and substances while human-caused are those resulting from inadvertent use or deliberate abuse or misuse of biological and/or technical catalysts. This plan addresses all hazard concerns based on a performed Hazard Risk Assessment used to define prime areas of concern to Rutherford County.

Hazard mitigation is defined as sustained action taken to significantly reduce or permanently eliminate long-term risk to human life and property from hazards and their effects. This definition distinguishes actions that have a long-term impact from those that are more closely associated with preparedness for, immediate response to, and short-term recovery from, a specific event. This intent is to focus on actions that produce repetitive benefits over time, not on those actions that might be considered emergency planning or emergency services.

The primary purpose of hazard mitigation is to ensure that fewer Americans and their communities are victims of natural disasters. After disasters, repairs and reconstruction are often completed in such a way as to simply restore damaged property to pre-disaster conditions. Such efforts expedite a return to normalcy. However, replication of pre-disaster conditions results in a cycle of damage, reconstruction, and repeated damage. Hazard mitigation is needed to ensure that such cycles are broken, that post-disaster repairs and reconstruction take place after damages are analyzed, and that sounder, less vulnerable conditions are produced. An important benefit of hazard mitigation is that current dollars spent on mitigation will significantly reduce the demand for large amounts of future dollars when natural disasters strike, as well as reduce the economic disaster which often accompanies the natural hazard event through destruction of property, loss or interruption of jobs, and closing or disabling of businesses.

The rationale for mitigation is simple: It makes sense. It has been proven over and over again that the impacts of natural hazards can be lessened and even eliminated by appropriate action taken well before the hazardous event. The most effective way to ensure that this action takes place is the preparation and implementation of a comprehensive hazard mitigation plan.

The bottom line is hazard mitigation actions save lives and property!

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I. INTRODUCTION

A. Purpose of Plan.

The purpose of this plan is to fulfill local Hazard Mitigation Plan requirements and also to substantially increase public awareness of natural hazard risk so that the public demands safer communities in which to live and work; and to significantly reduce the risk of loss of life, injuries, economic costs, and destruction of natural and cultural resources that result from natural hazards. The plan will identify hazards; establish community goals and objectives and select mitigation activities that are appropriate for Rutherford County.

The five jurisdictions represented within the 2016 updated plan are Rutherford County unincorporated, the City of Murfreesboro, the Town of Smyrna, the City of LaVergne, and the City of Eagleville. These are the same jurisdictions represented in the original plan with no jurisdictional changes occurring. All five jurisdictions have remained active throughout the entire planning process.

The Disaster Mitigation Act of 2000 (DMA 2000), Section 322 (a-d) requires that local governments, as a condition of receiving federal disaster mitigation funds, have a mitigation plan that describes the process for identifying hazards, risks and vulnerabilities, identifying and prioritizing mitigation actions, encouraging the development of local mitigation and providing technical support for those efforts.

In addition, this plan will fulfill the requirements of the National Flood Insurance Reform Act of 1994 (NFIRA). With this act, Congress authorized the establishment of a Federal grant program to provide financial assistance to States and communities for flood mitigation planning and projects. The Federal Emergency Management Agency (FEMA) has designated this program as Flood Mitigation Assistance (FMA). FMA's basic goal is to fund cost-effective measures that reduce or eliminate the number of repetitively damaged structures and associated claims against the National Flood Insurance Fund.

This plan will assist in continuing program activities that will improve Rutherford County's hazard and flood problems and meet other community needs. Consistent with FEMA's planning process guidelines; the plan will accomplish the following objectives:

Ensure that all possible activities are reviewed and implemented so that disaster related hazards are addressed by the most appropriate and efficient solution;

Link hazard management policies to specific activities;

Educate residents about potential hazards that threaten the community.

Build public and political support for projects that prevent new problems from known hazards and reduce future losses;

Fulfill planning requirements for future hazard mitigation project grants; and,

Facilitate implementation of hazard mitigation management activities through an action plan.

B. Methodology

The methodology used for the development and updating of the Rutherford County Hazard Mitigation Plan, consisted of the following tasks:

1. Public involvement
2. Coordination with other agencies and organizations
3. Hazard area inventory
4. Problem identification
5. Review and analysis of possible mitigation activities
6. Local adoption following a public hearing
7. Periodic review and update

This hazard mitigation plan contains a list of potential projects and a brief rationale or explanation of how each project or group of projects contributes to the overall mitigation strategy outlined in the plan.

This plan summarizes the activities outlined above to assess the effects of tornadoes, flood & flash flooding, and severe winter storm hazards in Rutherford County and recommends mitigation activities.

The Hazard Mitigation Plan will be evaluated and updated every five years. In addition, the plan will be updated as appropriate when a disaster occurs that significantly affects Rutherford County or one of its municipalities, whether or not it receives a Presidential Declaration. The update will be completed as soon as possible, but no later than the 12 months following the date the disaster occurs. All mitigative planning activity will be monitored, coordinated, and conducted by the Rutherford County LEPC- Hazard Mitigation Planning Sub-committee.

Routine maintenance of the plan will include adding projects, as new funding sources become available or taking projects off the list when they are completed in addition to compiling and adding updated criteria and information.

II. PLANNING PROCESS

In September of 2009 the Rutherford County Emergency Management Agency officially formulated the Rutherford County Local Emergency Planning Committee (LEPC). Committee members are represented by all jurisdictions and disciplines as well as infrastructure partnerships, and private industry. A Hazard Mitigation Subcommittee under the LEPC has been formed to address mitigative activities for the protection of life and property throughout all jurisdictions within Rutherford County. This Hazard Mitigation Subcommittee now performs the role that the hazard mitigation committee in the original Rutherford Mitigation Plan was tasked. The establishment of the LEPC and Hazard Mitigation Subcommittee has been deemed as a more favorable way to implement planning initiatives throughout Rutherford County.
<http://www.rutherfordcountyttn.gov/ema/RutherfordCountyLEPC.htm>

At the direction of the Rutherford County EMA, The Rutherford County Local Emergency Planning Committee (LEPC) Hazard Mitigation Planning Subcommittee reviewed the 2011 plan and worked through current issues, for updating required information throughout the entire plan. The county, as well as all of its jurisdictions, are represented in the Hazard Mitigation Subcommittee. (See list of members below). The Rutherford County EMA staff consolidated the subcommittee's efforts by preparing the written updates within the plan.

Name	Jurisdiction	Department
TK Kast	Rutherford County	EMA
Tim Hooker	Rutherford County	EMA
Tera Simmons	Rutherford County	EMA
Mike Hughes	Rutherford County	Engineering
David Jones	Rutherford County	Building Codes
Kyle Brown	City of Lavergne	Codes & Engineering
Grant Green	City of Lavergne	Planning
Joseph Aydelott	City of Murfreesboro	Planning
Chris Griffith	City of Murfreesboro	Engineering
Kevin Rigsby	Town of Smyrna	Planning
David King	Town of Smyrna	Public Works
Travis Brown	City of Eagleville	Mayor

On September 23, 2015 the Hazard Mitigation Planning Subcommittee and other interested persons met to discuss updates and changes to the plan. These revisions were officially approved by the subcommittee and other attendees.

HAZARD MITIGATION SUBCOMMITTEE

September 23, 2015

10:00 A.M.

Emergency Operations Center, Murfreesboro, TN

MINUTES

PRESENT:

Tim Hooker, Rutherford County EMA
Jim Burkhalter, Rutherford County Building Codes
Rick Parks, City of Eagleville
Katie Peay, Rutherford County Planning @ Engineering
Tera Simmons, Rutherford County EMA
T.K. Kast, Rutherford County EMA

Mr. Hooker presided and called the meeting to order at 10:00 A.M.

Mr. Hooker explained the purpose of the Hazard Mitigation Plan. The committee examined the entire plan and discussed required changes and updates to the plan. Mr. Hooker stated that 2008 FIRM maps will not change and that all previous mitigation projects are complete. The final paperwork of these projects is attached. Other maps have been updated as required. Ms. Peay stated that her office will soon be joining the FEMA community rating program which will help Rutherford County citizens save money on home owners insurance if they carry flood insurance. The committee also agreed that critical infrastructure data should be updated as well.

Mr. Hooker stated that TEMA will be sending updated information on storm data to update since the last version of the plan. Once the draft is final the plan will be sent to TEMA/FEMA for approval. The plan will then come back to the county for jurisdictional approval and adoption.

Mr. Hooker discussed an upcoming planning meeting with the County, and Murfreesboro City Solid Waste divisions to finalize the draft on a County Debris Management plan. The County BEOP is also due for revision in 2016.

There being no further business at this time, the meeting was adjourned at 10:45 A.M.



HAZARD MITIGATION MEETING ROSTER September 23 2015

Name (Print Legibly)	Home	Cell	Email
Rick Parks		615-804-7859	rick.parks@gmail.com
Jim Burkhalter		615-349-5201	JBURKHALTER@RUTHERFORDCOUNTYTN.GOV
Katie Peay	615-898-7732	615-542-2143	KPeay@rutherfordcountyttn.gov
Tim Hooden		615-785-7582	timhooden@rutherfordcountyttn.gov
Tera Simmons		615-785-5779	tsimmons@rutherfordcountyttn.gov
Tharrel Kast		615-809-8624	tkast@rutherfordcountyttn.gov

**State Compliance Review Findings for the
Rutherford County's
May 2010 Flood Acquisition/Demolition Project
Edison Contract 34101-10041
FEMA ID# HMGP-1909-0043 / TEMA ID# 0320**

Awarded Funding

Date Obligated	FEMA ID	Supp No.	100% Amount Eligible	Federal Share	State Share	Local Share	Sub-Grantee Admin. Cost	Total Amount Obligated
03/09/2012	0043	44	\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50		\$ 537,875.00
			\$ -	\$ -	\$ -	\$ -		\$ -
Total Obligation			\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50		\$ 537,875.00

Approved Scope of Work

The approved scope of work is the acquisition and demolition of three (3) properties located in a special flood hazard area in Rutherford County, Tennessee.

Project Completion

All three (3) properties have been acquired and structures have been. Documentation supporting the completion has been received, reviewed, and approved. On June 03, 2014, Ms. Kenya Grant, State Mitigation Specialist conducted a final site visit. Pictures of the completed sites have been accumulated and filed.

Funding Expended

The total amount of funds expended was \$449,821.49 of which the 75% federal share was \$337,366.00 with a state share of \$56,227.374 and local share of \$56,227.75. To reconcile actual costs with awarded costs, a de-obligation of \$88,053.51 (federal share \$66,040.00) will be requested. All payments have been issued, upon receipt of FEMA's concurrence and de-obligation notice, this project will officially close.

Payment Reconciliation						
Date Processed	Payment #	100% Eligible	75% Federal	12.5% State	12.5% Local	Payment Total
03/09/2012	Obligation	\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50	\$ 470,640.50
	Pending Deobligation	\$ (88,053.51)	\$ (66,040.00)	\$ (11,006.76)	\$ (11,006.75)	\$ (77,046.76)
07/27/2012	Payment 01	\$ 146,200.00	\$ 109,650.00	\$ 18,275.00	\$ 18,275.00	\$ 127,925.00
02/19/2012	Payment 02	\$ 77,579.90	\$ 58,185.00	\$ 9,697.45	\$ 9,697.45	\$ 67,882.45
11/16/2012	Payment 03	\$ 181,000.00	\$ 135,750.00	\$ 22,625.00	\$ 22,625.00	\$ 158,375.00
08/03/2014	Payment 04	\$ 45,041.59	\$ 33,781.00	\$ 5,630.29	\$ 5,630.30	\$ 39,411.29
Total Obligations		\$ 449,821.49	\$ 337,366.00	\$ 56,227.74	\$ 56,227.75	\$ 393,593.74
Total Payments		\$ 449,821.49	\$ 337,366.00	\$ 56,227.74	\$ 56,227.75	\$ 393,593.74
Balance		\$ -	\$ -	\$ -	\$ -	\$ -
Final Payment Due			\$ -	\$ -	\$ -	\$ -

Certification

The signature below represents concurrence on the above findings of the State's Compliance Review by the Rutherford County's Authorized Applicant Agent.

Name: ERNEST G BURGESS Title: MAYOR
Signature: Ernest G Burgess Date: 9/11/14

Applicant: Rutherford County
 Activity Name: May 2010 Flood Acquisition Project
 Project Type: Acquisition/Demolition
 Submitted to FEMA: 08/18/2011
 FEMA Approved: 03/09/2012

TID #: 0320
 Program: Hazard Mitigation Grant Program
 FEMA ID#: HMGP 1909-0043
 Contract: 34101-10041
 Expiration Date: 03/08/2015

FEMA Disaster 1909-0043 Obligations									
FEMA ID	FEMA ID	Supp No.	100% Amount Eligible	Federal Share	State Share	Local Share	Subgrantee Admin	Total Amount Obligated	Date Obligated
0320	0043	44	\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50		\$ 470,640.50	03/09/2012
			\$ -	\$ -				\$ -	
TOTAL			\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50		\$ 470,640.50	
Final Project Cost			\$ 449,821.49	\$ 337,366.00	\$ 56,227.74	\$ 56,227.75		\$ 393,593.74	
Obligation/De-Obligation Needed For Closeout			\$ 88,053.51	\$ 66,040.00	\$ 11,006.76	\$ 11,006.75		\$ 77,046.76	

FEMA Approved Budget Line Item Scope							
Line Item	Budget Line Items	Eligible	Federal	State	Local	Total Grant	
01	Appraisal - of 6291 Florence Road	\$ 500.00	\$ 375.00	\$ 62.50	\$ 62.50	\$ 500.00	
02	Appraisal - of 6988 Old Woodbury Pike	\$ 500.00	\$ 375.00	\$ 62.50	\$ 62.50	\$ 500.00	
03	Appraisal - of 508 Deerfield Drive	\$ 500.00	\$ 375.00	\$ 62.50	\$ 62.50	\$ 500.00	
04	Acquisition - of 6291 Florence Road	\$ 266,500.00	\$ 199,875.00	\$ 33,312.50	\$ 33,312.50	\$ 266,500.00	
05	Acquisition - of 6988 Old Woodbury Pike	\$ 157,500.00	\$ 118,125.00	\$ 19,687.50	\$ 19,687.50	\$ 157,500.00	
06	Acquisition - of 508 Deerfield Drive	\$ 94,375.00	\$ 70,781.00	\$ 11,797.00	\$ 11,797.00	\$ 94,375.00	
07	Closing/Legal Fees - for 6291 Florence Road	\$ 1,000.00	\$ 750.00	\$ 125.00	\$ 125.00	\$ 1,000.00	
08	Closing/Legal Fees - for 6988 Old Woodbury Pike	\$ 1,000.00	\$ 750.00	\$ 125.00	\$ 125.00	\$ 1,000.00	
09	Closing/Legal Fees - for 508 Deerfield Drive	\$ 1,000.00	\$ 750.00	\$ 125.00	\$ 125.00	\$ 1,000.00	
10	Demolition - of 6291 Florence Road	\$ 5,000.00	\$ 3,750.00	\$ 625.00	\$ 625.00	\$ 5,000.00	
11	Demolition - of 6988 Old Woodbury Pike	\$ 5,000.00	\$ 3,750.00	\$ 625.00	\$ 625.00	\$ 5,000.00	
12	Demolition - of 508 Deerfield Drive	\$ 5,000.00	\$ 3,750.00	\$ 625.00	\$ 625.00	\$ 5,000.00	
Subtotal		\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50	\$ 537,875.00	
Subgrantee Administration		\$ -	\$ -	\$ -	\$ -	\$ -	
Totals		\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50	\$ 537,875.00	

Contract Budget Line Item Scope							
Line Item	Budget Line Items	Eligible	Federal	State	Local	Total Grant	
01	Appraisal Cost of 3 - properties	\$ 1,500.00	\$ 1,125.00	\$ 187.50	\$ 187.50	\$ 1,500.00	
02	Acquisition/Fairmarket Value of 3 - properties	\$ 518,375.00	\$ 388,781.00	\$ 64,797.00	\$ 64,797.00	\$ 518,375.00	
03	Closing Cost/Legal Fees of 3 - properties	\$ 3,000.00	\$ 2,250.00	\$ 375.00	\$ 375.00	\$ 3,000.00	
04	Demolition Cost of 3 - properties	\$ 15,000.00	\$ 11,250.00	\$ 1,875.00	\$ 1,875.00	\$ 15,000.00	
Subtotal		\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50	\$ 537,875.00	
Subgrantee Administration		\$ -	\$ -	\$ -	\$ -	\$ -	
Totals		\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50	\$ 537,875.00	

Payment Reconciliation							
Date	Type Transaction	100% Amount Eligible	Federal Share	State Share	Local Share	Subgrantee Admin	Grant/Payment Amount
03/09/2012	Obligation	\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50		\$ 470,640.50
	Pending De-Obligation	\$ (88,053.51)	\$ (66,040.00)	\$ (11,006.76)	\$ (11,006.75)		\$ (77,046.76)
07/27/2012	Payment No. 01	\$ 146,200.00	\$ 109,650.00	\$ 18,275.00	\$ 18,275.00		\$ 127,925.00
02/19/2012	Payment No. 02	\$ 77,579.90	\$ 58,185.00	\$ 9,697.45	\$ 9,697.45		\$ 67,882.45
11/16/2012	Payment No. 03	\$ 181,000.00	\$ 135,750.00	\$ 22,625.00	\$ 22,625.00		\$ 158,375.00
08/03/2014	Payment No. 04	\$ 45,041.59	\$ 33,781.00	\$ 5,630.29	\$ 5,630.30		\$ 39,411.29
Total Obligations		\$ 449,821.49	\$ 337,366.00	\$ 56,227.74	\$ 56,227.75		\$ 393,593.74
Total Payments		\$ 449,821.49	\$ 337,366.00	\$ 56,227.74	\$ 56,227.75		\$ 393,593.74
Balance		\$ (0.00)	\$ -	\$ -	\$ 0.00		\$ -
Final Payment							\$ -

Hazard Mitigation Grant Program
Rutherford County
 Closeout Review
 FEMA ID# 1909-0043 – TEMA ID# 0320

Property Approval											
Prop ID#	Property Owner	Address	Appraisals	Fair Market Value	Closing	Other Cost (Management Fees)	Demolition	Total Estimated Cost	Approval Date	DOB Deductions	Total Approved Amounts
001	Chad Hutchins	6291 Florence Road	\$ 500.00	\$ 266,500.00	\$ 1,000.00	\$ -	\$ 5,000.00	\$ 273,000.00	09/09/2012		
002	Rosemarie Singley	6988 Old Woodbury Pike	\$ 500.00	\$ 94,375.00	\$ 1,000.00	\$ -	\$ 5,000.00	\$ 100,875.00	09/09/2012	\$ 147,753.03	\$ (46,878.03)
003	Margo L. Massey	508 Deerfield Drive	\$ 500.00	\$ 157,500.00	\$ 1,000.00	\$ -	\$ 5,000.00	\$ 164,000.00	09/09/2012	\$ -	\$ 164,000.00
Total Costs			\$ 1,500.00	\$ 518,375.00	\$ 3,000.00	\$ -	\$ 15,000.00	\$ 537,875.00		\$ 147,753.03	\$ 117,121.97

Project Cost Breakdown	Amount
Appraisal Cost	\$ 1,500.00
Acquisition/Fairmarket Value	\$ 518,375.00
Closing Cost/Legal Fees	\$ 3,000.00
Other Cost (Management Fees)	\$ -
Demolition Cost	\$ 15,000.00
Total	\$ 537,875.00

Above figures are based on application data and do not reflect final project costs. Nor do the figures match actual obligations as some of the property owners "OPTED OUT".

Denotes properties that were not purchased. Property owner opted not to be a part of the project.

Hazard Mitigation Grant Program
Rutherford County
 Closeout Review
FEMA ID# 1909-0043 – TEMA ID# 0320

Obligations							
Date	Disaster #	FEMA #	Supplement #	Total Eligible	Federal Share	Non-Federal Share	Comments
4/6/2011	1909	0043	44	\$ 722,295.00	\$ 541,721.00	\$ 180,574.00	The Acquisition/Demolition of three (3) properties.
TOTALS				\$ 722,295.00	\$ 541,721.00	\$ 180,574.00	

Hazard Mitigation Grant Program
Rutherford County
 Closeout Review
FEMA ID# 1909-0043 – TEMA ID# 0320

Programmatic Requirements												
Prop. ID#	Property Owner	Addresses	Latitude	Longitude	Affidavit	Statement of Voluntary Participation	Duplication of Benefits	Assurances	Deed with Restrictions	Pienures	Completion Date	Categorical Exclusion
001	Chad Hutchins	6291 Florence Road	86°28'16.633"W	35°56'32.344"N	10/11/2012	03/04/2011	No	Yes	Yes	Yes	12/28/2012	Yes
002	Rosemarie Stingley	6988 Old Woodbury Pike	86°15'47.035"W	35°49'37.322"N	08/06/2012	06/27/2011	\$ 12,420.10	Yes	Yes	Yes	03/25/2013	Yes
003	Margo L. Massey	508 Deerfield Drive	86°27'23.349"W	35°51'28.965"N	06/05/2012	06/27/2012	No	Yes	Yes	Yes	09/26/2012	Yes

Denotes properties that were not purchased. Property owner opted not to be a part of the project.

Hazard Mitigation Grant Program
Rutherford County
 Closeout Review
FEMA ID# 1909-0043—TEMA ID# 0320

Appraisals											
Prop. ID#	Property Owner	Address	Tax Map & Parcel	Appraised FMV	Actual Appraisal Cost	Difference	Appraised FMV	Appraisal Copy	Invoice Copy	Check or Warrant Copy	Other Documentation / Comments
001	Chad Hutchins	6291 Florence Road	049E-A-37.01	\$ 500.00	\$ 400.00	\$ 100.00	\$ 180,807.00	Yes	JS032	Ck # 222336	The following documentation is for the appraisal performed by Johnny M. Sullivan, SKA.
002	Rosemarie Singley	6988 Old Woodbury Pike	1051-A-1.00	\$ 500.00	\$ 400.00	\$ 100.00	\$ 90,000.00	Yes	JS031	Ck # 222336	
003	Margo L. Massey	508 Deerfield Drive	092G-C-1.00	\$ 500.00	\$ 400.00	\$ 100.00	\$ 145,000.00	Yes	JS033	Ck # 222336	
Total Cost				\$ 1,500.00	\$ 1,200.00	\$ 300.00	\$ 415,807.00				

Denotes properties that were not purchased. Property owner opted not to be a part of the pr

Hazard Mitigation Grant Program
Rutherford County
Closeout Review
FEMA ID# 1909-0043 — TEMA ID# 0320

Acquisition Cost										
Prop. ID#	Owner	Address	Appraised FAV	Purchase Cost	Difference	Agreement to Sell	Settlement Statement			
001	Chad Hutchins	6291 Florence Road								
				\$ 180,807.00	\$ 180,807.00	-	11/11/2012	12/28/2012		
			CK # 31966	\$ 1,116.00	Settlement Charges to Seller: 2012 County Real Estate Taxes					
			CK # 31963	\$ 179,896.20	Payoff first mortgage loan to Imperial Security Service					
			CK # Ineligible Cost	\$ (193.00)	These cost are Ineligible because they exceed the actual value given by the Rutherford County Assessor.					
			CK # Ineligible Cost	\$	These cost are Ineligible because the seller paid their County Taxes for 12/28/12 to 01/01/13 in advance.					
			CK # Ineligible Cost	\$	The sellers should have been reimbursed the \$12.20 since it was calculated as part of the cost Payoff first mortgage loan to Imperial Security Service					
			CK # Ineligible Cost	\$ (12.20)	Imperial Security Service					
			CK # N/A	\$ 0.00	Cash-to-Seller: Chad Hutchins					
			CK # Adjustment	\$ 180,807.00	Total Acquisition Cost					
CK # Adjustment	\$	Duplication of Benefits								
CK #	\$ 180,807.00	Total Overall Acquisition Cost								
002	Rosemarie Stingley	6988 Old Woodbury Pike								
			CK # 32034	\$ 52,481.65	Payoff first mortgage loan to Rural Development/Ln 7000					
			CK # 005181	\$ 105.74	County Taxes 01/01/2013 to 03/25/2013					
			CK # 32033	\$ 24,992.51	Cash-to-Seller: Rosemarie Stingley					
			CK #	\$						
			CK #	\$ 77,579.90	Total Acquisition Cost					
			CK # Adjustment	\$ 12,420.10	Duplication of Benefits (Funds received from another home repair program, however they can not produce receipts)					
			CK #	\$ 90,000.00	Total Overall Acquisition Cost					
			CK # 31831	\$ 135,897.99	Payoff first mortgage loan to Select Portfolio Service					
			CK # 005118	\$ 571.07	County Taxes 01/01/2012 to 09/26/2012					
003	Margo L. Massey	508 Deerfield Drive								
			CK # Wire Transfer	\$ 8,538.94	Cash-to-Seller: Charles W. & Margo L. Massey					
			CK #	\$						
			CK #	\$ 145,000.00	Total Acquisition Cost					
			CK # Adjustment	\$	Duplication of Benefits					
			CK #	\$ 145,000.00	Total Overall Acquisition Cost					
			Total Cost			\$ 415,807.00	\$ 403,386.90	\$ 12,420.10		

Denote properties that were not purchased. Property owner opted not to be a part of the project.

Hazard Mitigation Grant Program
Rutherford County
Closeout Review
FEMA ID# 1909-0043 — TEMA ID# 0320

Closing/Attorney Fees		Owner	Address	Approved Attorney/Legal Fees	Actual Attorney/Legal Fees Cost	Difference	Check No. and Amount	Other Description/Comments					
001	Chad Hitchins	6291 Florence Road		\$ 1,000.00	\$ 2,398.62	\$ (1,398.62)	Ck # 005086 \$ 46.70	County's Offer to Seller was sent via FedEx					
							Ck # 005137 \$ 44.42	County cover the cost for the Seller to return the offer via FedEx					
							Ck # 31962 \$ 250.00	Settlement or Closing Fee: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 31962 \$ 200.00	Abstract or Title Search: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 31962 \$ 200.00	Document Preparation: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 31962 \$ 400.00	Attorney's Fees: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 31961 \$ 1,158.50	Title Insurance Old Republic Title Insurance Company					
							Ck # 31962 \$ 50.00	Courier Fees: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 31965 \$ 37.00	Deed Recording Fee					
							Ck # 31964 \$ 12.00	Deed Release					
										\$ 2,398.62	Total Closing/Attorney Fees		
002	Rosemarie Stingley	6988 Old Woodbury Pike		\$ 1,000.00	\$ 1,808.00	\$ (808.00)	Ck # 32032 \$ 250.00	Settlement or Closing Fee: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 32032 \$ 200.00	Abstract or Title Search: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 32032 \$ 200.00	Document Preparation: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 32032 \$ 34.00	Courier Fees: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 32032 \$ 400.00	Attorney's Fees: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 32031 \$ 662.00	Title Insurance Paid to CHRM as Agent for Old Republic Title Insurance Company					
							Ck # 32032 \$ 25.00	Wire Fee: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 32035 \$ 37.00	Deed Recording Fee					
										\$ 1,808.00	Total Closing/Attorney Fees		
										\$ 250.00	Settlement or Closing Fee: Paid to Cope, Hudson, Reed & McCreary, PLLC		
										\$ 200.00	Abstract or Title Search: Paid to Cope, Hudson, Reed & McCreary, PLLC		
			\$ 200.00	Document Preparation: Paid to Cope, Hudson, Reed & McCreary, PLLC									
			\$ 34.00	Courier Fees: Paid to Cope, Hudson, Reed & McCreary, PLLC									
			\$ 400.00	Attorney's Fees: Paid to Cope, Hudson, Reed & McCreary, PLLC									
			\$ 996.50	Title Insurance Old Republic Title Insurance Company									
003	Margo L. Massey	508 Deerfield Drive		\$ 1,000.00	\$ 2,154.50	\$ (1,154.50)	Ck # 31828 \$ 25.00	Wire Fee: Paid to Cope, Hudson, Reed & McCreary, PLLC					
							Ck # 31833 \$ 37.00	Deed Recording Fee					
							Ck # 31832 \$ 12.00	Deed Release					
										\$ 2,154.50	Total Closing/Attorney Fees		
Total Cost				\$ 3,000.00	\$ 6,361.12	\$ (3,361.12)							

Denotes properties that were not purchased. Property owner opted not to be a part of the project.

Hazard Mitigation Grant Program
Rutherford County
Closeout Review
FEMA ID# 1909-0043- TEMA ID# 0320

Demolition															
Project ID#	Owner	Address	Approved Demolition Cost	Demolition Cost	Demolition Cost	Name of Personnel	Hrs.	Rate	Wages Cost	Benefits Cost	Check No. and Amount	Other Documentation / Comments			
						Eric Hill	0	\$ 30,433	\$ -	\$ -	Ch # N/A	\$ -			
						Mark West	7	\$ 19,774	\$ 138.42	\$ 58.61	Ch # N/A	\$ 197.03			
						James Alexander	25	\$ 15,199	\$ 378.25	\$ 160.13	Ch # N/A	\$ 538.40			
						Jody Campbell	29	\$ 11,608	\$ 394.64	\$ 167.09	Ch # N/A	\$ 561.73			
						Randy Campbell	19	\$ 15,118	\$ 287.89	\$ 121.81	Ch # N/A	\$ 409.50			
						PlyBib Pitzer	0	\$ 19,390	\$ -	\$ -	Ch # N/A	\$ -			
						Merry Hickerson	11	\$ 28,120	\$ 309.32	\$ 130.97	Ch # N/A	\$ 440.29			
						Jimmy Burns	16	\$ 28,972	\$ 335.94	\$ 142.07	Ch # N/A	\$ 477.61	Rutherford Co. Public Works Personnel Cost Log.		
						Paul Burns	3	\$ 18,797	\$ 80.31	\$ 21.20	Ch # N/A	\$ 71.61	Rutherford Co. Public Works Employee Hours Worked Log		
						Ronnie Hobbs	13	\$ 13,807	\$ 201.13	\$ 85.18	Ch # N/A	\$ 286.31			
						David Lorenzette	6	\$ 11,875	\$ 211.62	\$ 80.13	Ch # N/A	\$ 301.75			
						John McMahon	15	\$ 18,596	\$ 247.64	\$ 104.85	Ch # N/A	\$ 352.49			
						Jeff Parker	15	\$ 18,332	\$ 243.90	\$ 105.10	Ch # N/A	\$ 349.00			
						Timothy Richardson	13	\$ 14,744	\$ 191.43	\$ 81.13	Ch # N/A	\$ 272.56			
						Derek Hogan	4	\$ 22,545	\$ 90.90	\$ 38.23	Ch # N/A	\$ 129.13			
						Mike Youngblood	2	\$ 16,624	\$ 33.25	\$ 14.08	Ch # N/A	\$ 47.33			
						Total Personnel Cost for Demolition \$ 4,237.12									
						Product	Date	Equip No.	Galions	Truck No.	Check No. and Amount	Other Documentation / Comments			
						Gas	02/11/2013	PW 2	5	\$ 2,929	Ch # N/A	\$ 14.63			
						Gas	02/14/2013	PW 2	5.3	\$ 2,929	Ch # N/A	\$ 15.31			
						Gas	02/19/2013	RCHD 93	7	\$ 2,929	Ch # N/A	\$ 20.49	Rutherford Co. Public Works Fuel Cost Log		
						Gas	02/26/2013	PW 2	4	\$ 2,929	Ch # N/A	\$ 11.71			
						Gas	03/14/2013	PW 2	3	\$ 2,929	Ch # N/A	\$ 8.78			
						Total Cost of Gas for Demolition \$ 71.12									
						Diesel	02/14/2013	PW 24, 23, 22	92	\$ 3,195	Ch # N/A	\$ 290.67			
						Diesel	02/19/2013	RCHD 93	15	\$ 3,195	Ch # N/A	\$ 47.39			
						Diesel	02/19/2013	PW 11	16	\$ 3,195	Ch # N/A	\$ 50.53			
						Diesel	02/20/2013	PW 10	31	\$ 3,195	Ch # N/A	\$ 97.94			
						Diesel	02/20/2013	PW 24	20	\$ 3,195	Ch # N/A	\$ 63.19			
						Diesel	02/21/2013	PW 10	13	\$ 3,195	Ch # N/A	\$ 47.29			
						Diesel	03/14/2013	PW 28	10	\$ 3,195	Ch # N/A	\$ 31.60			
						Diesel	03/14/2013	PW 10	18	\$ 3,195	Ch # N/A	\$ 56.87			
						Total Cost of Diesel for Demolition \$ 685.61									
						Vendor	Date	QUANTITY	COST	Check No. and Amount	Other Documentation / Comments				
						Rutherford Co. Highway Dept.	02/14/2013	10	\$ 1.77	Ch # N/A	\$ 17.65	Grease (pw 24, 23, 22) unit per pound			
							02/19/2013	20	\$ 6.50	Ch # N/A	\$ 190.00	Shot Rock (tons)			
							02/19/2013	2	\$ 38.50	Ch # N/A	\$ 77.00	30" x 30" Ho Transpassing Sign			
							02/19/2013	2	\$ 16.00	Ch # N/A	\$ 32.00	10' x 24' green sign post			
							02/19/2013	4	\$ 1.50	Ch # N/A	\$ 6.00	Bolts for the sign			
							03/14/2013	20	\$ 4.75	Ch # N/A	\$ 95.00	Straw (bale)			
						Hooper Supply Co.	03/14/2013	2	\$ 35.00	Ch # N/A	\$ 110.00	Wheat Seed (50# bag)			
						Hooper Supply Co.	03/14/2013	1	\$ 33.00	Ch # N/A	\$ 13.00	R7 21 Fescue Seed (50# bag)			
						Total Cost of Materials needed for Demolition \$ 480.85									
						Driver	Date	Ticket No.	Tons	Truck No.	Check No. and Amount	Other Documentation / Comments			
						Jimmy Burns	02/12/2012	77712	14200	PW 11	Ch # N/A	\$ 213.00			
						Ronnie Hobbs	02/12/2012	77714	1186	RCHD 34	Ch # N/A	\$ 178.00			
						John McMahon	02/12/2012	77715	11040	RCHD 75	Ch # N/A	\$ 166.00			
						Jeff Parker	02/12/2012	77716	10000	RCHD 42	Ch # N/A	\$ 151.00			
						Jody Campbell	02/12/2012	77717	8840	PW 10	Ch # N/A	\$ 103.00			
						Jimmy Burns	02/12/2012	77720	10020	PW 11	Ch # N/A	\$ 180.00			
						Ronnie Hobbs	02/12/2012	77722	7700	RCHD 34	Ch # N/A	\$ 116.00			
						John McMahon	02/12/2012	77723	7600	RCHD 75	Ch # N/A	\$ 114.00			
						Jody Campbell	02/12/2012	77724	76900	PW 10	Ch # N/A	\$ 115.00			
						Jeff Parker	02/12/2012	77725	4180	RCHD 42	Ch # N/A	\$ 75.00			
						Jimmy Burns	02/12/2012	77728	11400	PW 11	Ch # N/A	\$ 171.00			
						Ronnie Hobbs	02/12/2012	77730	12920	RCHD 34	Ch # N/A	\$ 194.00			
						John McMahon	02/12/2012	77732	13420	RCHD 75	Ch # N/A	\$ 201.00			
						Jeff Parker	02/12/2012	77735	12880	RCHD 42	Ch # N/A	\$ 193.00			
						Jimmy Burns	02/12/2012	77737	9160	PW 11	Ch # N/A	\$ 137.00			
						Jody Campbell	02/12/2012	77738	7920	PW 10	Ch # N/A	\$ 120.00			
						Ronnie Hobbs	02/12/2012	77741	8960	RCHD 34	Ch # N/A	\$ 134.00			
						John McMahon	02/12/2012	77745	8100	RCHD 75	Ch # N/A	\$ 122.00			
						Jeff Parker	02/12/2012	77747	10580	RCHD 42	Ch # N/A	\$ 159.00			
						Jody Campbell	02/12/2012	77754	6580	PW 10	Ch # N/A	\$ 99.00			
						Jimmy Burns	02/12/2012	77756	10280	PW11	Ch # N/A	\$ 154.00			
						Ronnie Hobbs	02/12/2012	77757	9240	RCHD 34	Ch # N/A	\$ 139.00			
						John McMahon	02/12/2012	77759	8700	RCHD 75	Ch # N/A	\$ 123.00			
						Jeff Parker	02/12/2012	77760	8100	RCHD 42	Ch # N/A	\$ 122.00			
						Jimmy Burns	02/12/2012	77762	10320	PW 11	Ch # N/A	\$ 155.00			
						Jody Campbell	02/12/2012	77764	10980	PW 10	Ch # N/A	\$ 168.00			
						Ronnie Hobbs	02/12/2012	77766	12580	RCHD 34	Ch # N/A	\$ 189.00			
						Jeff Parker	02/12/2012	77767	14980	RCHD 75	Ch # N/A	\$ 225.00			
						John McMahon	02/12/2012	77768	14400	RCHD 42	Ch # N/A	\$ 216.00			
						Jimmy Burns	02/12/2012	77774	12480	PW 11	Ch # N/A	\$ 190.00			
						Ronnie Hobbs	02/12/2012	77775	20380	RCHD 34	Ch # N/A	\$ 306.00			
						Jody Campbell	02/12/2012	77777	16080	PW 10	Ch # N/A	\$ 241.00			
						Ronnie Hobbs	02/12/2012	77789	16480	RCHD 34	Ch # N/A	\$ 247.00			
						John McMahon	02/12/2012	77791	19380	PW 11	Ch # N/A	\$ 291.00			
						Jody Campbell	02/12/2012	77794	24300	PW10	Ch # N/A	\$ 345.00			
						Ronnie Hobbs	02/12/2012	77795	24140	RCHD 34	Ch # N/A	\$ 342.00			
						John McMahon	02/12/2012	77798	30860	PW 11	Ch # N/A	\$ 463.00			
						Jody Campbell	02/12/2012	77799	30320	PW10	Ch # N/A	\$ 455.00			
						Jeff Parker	02/12/2012	77800	3720	RCHD 42	Ch # N/A	\$ 56.00			
						Jeff Parker	02/12/2012	77801	13860	RCHD 42	Ch # N/A	\$ 208.00			
						Total Cost of Trucks needed for Demolition \$ 7,613.00									
						Scott's Septic Tank Service, LLC	P. O. No. 41783	Inv No.	3363	N/A	Ch # 003170	\$ 200.00	Removal of the Septic Tank		
						Scott's Septic Tank Service, LLC	P. O. No. 41783	Inv No.	3363B	N/A	Ch # 003175	\$ 200.00	Removal of a second Septic Tank		
						Griffis B. Maloney, Inc.	P. O. No. 39458	Inv No.	16920	N/A	Ch # 003146	\$ 1,300.00	Asbestos and Lead Paint Survey		
						Total OVERALL Demolition Cost \$ 14,782.50									

Demolition													
Proj. No.	Location	Approved	Demolition	Demolition	Name of Personnel	Hrs.	Rate	Wages Cost	Benefits Cost	Check No. and Amount	Other Documentation / Comments		
					Eric 185	0	\$ 30,423.1	\$ -	\$ -	Ch # N/A \$ -			
					Mark West	32	\$ 19,774.3	\$ 632.78	\$ 267.92	Ch # N/A \$ 900.70			
					Jody Campbell	32	\$ 13,608.2	\$ 433.46	\$ 184.37	Ch # N/A \$ 618.84			
					Randy Campbell	30	\$ 15,141.8	\$ 454.25	\$ 192.33	Ch # N/A \$ 646.59			
					Phyllis Potts	0	\$ 19,299.0	\$ -	\$ -	Ch # N/A \$ -			
					Mary Hickerson	9	\$ 28,120.2	\$ 233.08	\$ 107.15	Ch # N/A \$ 340.23			
					Paul Burns	9	\$ 16,747.2	\$ 150.92	\$ 63.90	Ch # N/A \$ 214.82	Rutherford Co. Public Works Personnel Cost Log		
					Ronnie Hobbs	11	\$ 12,408.7	\$ 147.30	\$ 62.43	Ch # N/A \$ 209.73	Rutherford Co. Public Works Employee Hours Worked Log		
					John McMahon	28	\$ 16,509.6	\$ 442.27	\$ 195.72	Ch # N/A \$ 637.99			
					Robert Morton	11	\$ 14,019.2	\$ 154.21	\$ 65.29	Ch # N/A \$ 219.50			
					Jeff Parker	13	\$ 16,233.2	\$ 211.03	\$ 89.35	Ch # N/A \$ 300.38			
					Tommy Richardson	2	\$ 14,740.4	\$ 29.48	\$ 12.48	Ch # N/A \$ 41.96			
					Derek Raman	2	\$ 22,574.5	\$ 45.15	\$ 19.12	Ch # N/A \$ 64.27			
					Marshall Williams	12	\$ 17,088.3	\$ 205.04	\$ 86.81	Ch # N/A \$ 291.85			
					Dorris Young	18	\$ 14,019.2	\$ 252.35	\$ 106.84	Ch # N/A \$ 359.19			
					Total Personnel Cost for Demolition \$ 4,887.27								
					Product	Date	Equip No.	Gallons	Price Per Gal.	Check No. and Amount	Other Documentation / Comments		
					Gas	04/11/2013	PW 2	9	\$ 3.10	Ch # N/A \$ 27.90			
					Gas	04/13/2013	PW 2	6.3	\$ 3.10	Ch # N/A \$ 19.48	Rutherford Co. Public Works Fuel Cost Log		
					Gas	04/16/2013	PW 2	11	\$ 3.10	Ch # N/A \$ 34.10			
					Gas	04/17/2013	PW 2	7	\$ 3.10	Ch # N/A \$ 21.70			
					Total Cost of Gas for Demolition \$ 73.95								
					Diesel	04/11/2013	PW 20	11	\$ 3.11	Ch # N/A \$ 34.21			
					Diesel	04/16/2013	RCHD 75	13	\$ 3.11	Ch # N/A \$ 40.43			
					Diesel	04/16/2013	RCHD 35	40	\$ 3.11	Ch # N/A \$ 124.40			
					Diesel	04/16/2013	RCHD 44	41.3	\$ 3.11	Ch # N/A \$ 128.45			
					Diesel	04/16/2013	RCHD 48	44	\$ 3.11	Ch # N/A \$ 136.84	Rutherford Co. Public Works Fuel Cost Log		
					Diesel	04/16/2013	RCHD 34	18	\$ 3.11	Ch # N/A \$ 55.98			
					Diesel	04/16/2013	PW 11	47	\$ 3.11	Ch # N/A \$ 146.17			
					Diesel	04/16/2013	PW 20, 21, 22	34	\$ 3.11	Ch # N/A \$ 105.74			
					Diesel	04/17/2013	PW 10	17	\$ 3.11	Ch # N/A \$ 52.87			
					Diesel	04/17/2013	PW 20, 21, 22	62	\$ 3.11	Ch # N/A \$ 192.62			
					Total Cost of Diesel for Demolition \$ 1,030.34								
					Vendor	Date	QUANTITY	COST	Check No. and Amount	Other Documentation / Comments			
						04/13/2013	20	\$ 6.50	Ch # N/A \$ 130.00	Shot Rock (tons)			
					Hooper Supply Co.	04/17/2013	1	\$ 65.00	Ch # N/A \$ 65.00	NY 31 Fescue Seed (50# bag)			
					Total Cost of Materials needed for Demolition \$ 195.00								
					Driver	Date	Ticket No.	Pounds	Truck No.	Check No. and Amount	Other Documentation / Comments		
002	Hammarling Blagley	0988 Old Woodbury P3a	\$ 5,000.00	\$ 9,489.18	\$ (4,489.18)	Jody Campbell	04/15/2013	79430	4720	PW 11	Ch # N/A \$ 71.52		
					Dorris Young	04/15/2013	79431	2560	RCHD 44	Ch # N/A \$ 79.70			
					Jody Campbell	04/15/2013	79439	4650	PW 11	Ch # N/A \$ 61.52			
					Dorris Young	04/15/2013	79442	4880	RCHD 44	Ch # N/A \$ 73.94			
					Dorris Young	04/16/2013	79443	5500	RCHD 44	Ch # N/A \$ 83.33			
					John McMahon	04/16/2013	79445	3360	RCHD 75	Ch # N/A \$ 50.91			
					Jeff Parker	04/16/2013	79446	7280	RCHD 48	Ch # N/A \$ 110.30			
					Robert Morton	04/16/2013	79470	5200	RCHD 35	Ch # N/A \$ 76.79			
					Ronnie Hobbs	04/16/2013	79472	6790	RCHD 34	Ch # N/A \$ 102.42			
					Dorris Young	04/16/2013	79476	5620	RCHD 44	Ch # N/A \$ 85.15	Rutherford County Public Works Department		
					John McMahon	04/16/2013	79479	7720	RCHD 75	Ch # N/A \$ 116.97	House Debris hauled to County Landfill Log		
					Jeff Parker	04/16/2013	79483	8100	RCHD 48	Ch # N/A \$ 122.73	Landfill Tickets		
					Robert Morton	04/16/2013	79486	7080	RCHD 35	Ch # N/A \$ 107.27			
					Ronnie Hobbs	04/16/2013	79487	6580	RCHD 34	Ch # N/A \$ 103.76			
					Dorris Young	04/16/2013	79492	12620	RCHD 44	Ch # N/A \$ 191.21			
					John McMahon	04/16/2013	79495	9130	RCHD 75	Ch # N/A \$ 142.12			
					Jeff Parker	04/16/2013	79500	5380	RCHD 48	Ch # N/A \$ 81.52			
					Ronnie Hobbs	04/16/2013	79504	1820	RCHD 34	Ch # N/A \$ 27.58			
					Robert Morton	04/16/2013	79505	1040	RCHD 35	Ch # N/A \$ 15.76			
					John McMahon	04/16/2013	79514	4860	RCHD 75	Ch # N/A \$ 73.64			
					Dorris Young	04/16/2013	79510	1220	RCHD 44	Ch # N/A \$ 18.48			
					118840 lbs. Total Cost of Trucks for Demolition \$ 1,800.62								
					Scott's Septic Tank Service, LLC	P. O. No. 42878	Inv No. 3715	N/A		Ch # 005188	\$ 200.00	Removal of the Septic Tank	
					Geysis D. Maloney, Inc.	P. O. No. 39458	Inv No. 17117	N/A		Ch # 002113	\$ 1,000.00	Asbestos and Lead Paint Survey	
					Total OVERALL Demolition Cost \$ 9,489.18								

Demolition

Prop.	Approved	Demolition	Demolition	Name of Personnel	Hrs.	Rate	Wages Cost	Benefits Cost	Check No. and Amount	Other Documentation / Comments	
				Eric Hill	0	\$ 30,4231	\$ -	\$ -	Ch # N/A \$ -		
				Mark West	49	\$ 18,7743	\$ 968.94	\$ 410.25	Ch # N/A \$ 1,279.19		
				James Alexander	43.5	\$ 15,1298	\$ 658.15	\$ 278.64	Ch # N/A \$ 936.81		
				Jody Campbell	34.5	\$ 13,6082	\$ 469.48	\$ 198.78	Ch # N/A \$ 668.26		
				Randy Campbell	40	\$ 15,1418	\$ 605.67	\$ 256.44	Ch # N/A \$ 862.11		
				Phyllis Fuhs	0	\$ 19,3790	\$ -	\$ -	Ch # N/A \$ -		
				Derek Roman	5	\$ 22,5745	\$ 112.87	\$ 47.79	Ch # N/A \$ 160.66	Rutherford Co. Public Works Personnel Cost Log	
				Merry Hickerson	15	\$ 28,1202	\$ 421.80	\$ 178.59	Ch # N/A \$ 600.39	Rutherford Co. Public Works Employee Hours Workal Log	
				Ronnie Hobbs	12.5	\$ 13,4087	\$ 167.61	\$ 70.97	Ch # N/A \$ 238.58		
				John McMahon	9	\$ 16,5294	\$ 148.59	\$ 62.81	Ch # N/A \$ 211.50		
				Dorris Young	4	\$ 14,0197	\$ 56.08	\$ 23.74	Ch # N/A \$ 79.82		
				Total Personnel Cost for Demolition \$ 5,137.32							
				Product	Date	Equip. No.	Gallons	Truck No.	Check No. and Amount		
				Gas	10/16/2012	PW 2	7	\$ 3,115	Ch # N/A \$ 21.81		
				Gas	10/18/2012	PW 2	6	\$ 3,115	Ch # N/A \$ 18.69		
				Gas	10/22/2012	PW 2	7	\$ 3,115	Ch # N/A \$ 21.81		
				Total Cost of Gas for Demolition \$ 62.30							
				Diesel	10/03/2012	PW 11	19	\$ 3,285	Ch # N/A \$ 62.42		
				Diesel	10/03/2014	PW 21	6	\$ 3,285	Ch # N/A \$ 19.71		
				Diesel	10/09/2012	PW 20	12	\$ 3,285	Ch # N/A \$ 39.42		
				Diesel	10/09/2012	93	30	\$ 3,285	Ch # N/A \$ 98.55		
				Diesel	10/09/2012	68	12	\$ 3,285	Ch # N/A \$ 39.42		
				Diesel	10/16/2012	PW 10	19	\$ 3,285	Ch # N/A \$ 62.42		
				Diesel	10/16/2012	PW 20	9	\$ 3,285	Ch # N/A \$ 29.57		
				Diesel	10/16/2012	PW 24	76	\$ 3,285	Ch # N/A \$ 249.66		
				Diesel	10/16/2012	PW 23	33	\$ 3,285	Ch # N/A \$ 108.41		
				Diesel	10/17/2012	PW 11	15	\$ 3,285	Ch # N/A \$ 49.28	Rutherford Co. Public Works Fuels Cost Log	
				Diesel	10/17/2012	26	20	\$ 3,285	Ch # N/A \$ 65.70		
				Diesel	10/18/2012	PW 11	24	\$ 3,285	Ch # N/A \$ 78.84		
				Diesel	10/18/2012	PW 10	46	\$ 3,285	Ch # N/A \$ 151.11		
				Diesel	10/18/2012	93	60	\$ 3,285	Ch # N/A \$ 197.10		
				Diesel	10/22/2012	PW 11	22	\$ 3,285	Ch # N/A \$ 72.27		
				Diesel	10/22/2012	PW 10	18	\$ 3,285	Ch # N/A \$ 59.13		
				Diesel	10/22/2012	44	43	\$ 3,285	Ch # N/A \$ 141.26		
				Diesel	10/22/2012	42	16	\$ 3,285	Ch # N/A \$ 52.56		
				Diesel	10/22/2012	PW 20	22	\$ 3,285	Ch # N/A \$ 72.27		
				Diesel	10/22/2012	PW 24	47	\$ 3,285	Ch # N/A \$ 154.40		
				Total Cost of Diesel for Demolition \$ 1,803.47							
				Vendor	Date	QUANTITY	COST	Check No. and Amount	Other Documentation / Comments		
				Rutherford Co. Highway Dept.	10/03/2012	20	\$ 6.50	Ch # N/A \$ 130.00	Shot Rock (tons)		
					10/16/2012	2	\$ 1.90	Ch # N/A \$ 3.80	Grease (lb)		
					10/18/2012	2	\$ 16.00	Ch # N/A \$ 32.00	10' x 24' green u-channel post		
					10/18/2012	2	\$ 20.95	Ch # N/A \$ 41.90	24" x 24" No Trespassing Sign		
				Hooper Supply Co.	10/22/2012	2	\$ 13.00	Ch # N/A \$ 26.00	Wet Seed (50# bag)		
				Hooper Supply Co.	10/22/2012	2	\$ 52.00	Ch # N/A \$ 104.00	RY 21 Focus Seed (50# bag)		
				Total Cost of Materials needed for Demolition \$ 337.70							
				Driver	Date	Ticket No.	Tons	Truck No.	Check No. and Amount	Other Documentation / Comments	
				Ronnie Hobbs	10/12/2012	74146	3760	PW 10	Ch # N/A \$ 57.00		
				Randy Campbell	10/17/2012	74147	5960	PW 11	Ch # N/A \$ 90.00		
				Ronnie Hobbs	10/17/2012	74160	4620	PW 10	Ch # N/A \$ 70.00		
				Randy Campbell	10/17/2012	74163	7200	PW 11	Ch # N/A \$ 108.00		
				Ronnie Hobbs	10/17/2012	74170	10980	PW 10	Ch # N/A \$ 165.00		
				Randy Campbell	10/17/2012	74174	11880	PW 11	Ch # N/A \$ 176.00		
				Ronnie Hobbs	10/17/2012	74190	8940	PW 10	Ch # N/A \$ 135.00		
				Randy Campbell	10/17/2012	74192	10520	PW 11	Ch # N/A \$ 158.00		
				Ronnie Hobbs	10/18/2012	74196	7160	PW 10	Ch # N/A \$ 108.00		
				Randy Campbell	10/18/2012	74200	9040	PW 11	Ch # N/A \$ 136.00		
				John McMahon	10/18/2012	74217	12200	PW 11	Ch # N/A \$ 183.00	Rutherford County Public Works Department	
				Jody Campbell	10/18/2012	74218	9120	PW 10	Ch # N/A \$ 137.00	House Debris hauled to County Landfill Log	
				John McMahon	10/18/2012	74234	10180	RCHD 75	Ch # N/A \$ 153.00	Landfill Tickets	
				Jody Campbell	10/18/2012	74235	13100	PW 10	Ch # N/A \$ 200.00		
				Jody Campbell	10/18/2012	74241	18220	PW 10	Ch # N/A \$ 274.00		
				John McMahon	10/18/2012	74243	18780	PW 11	Ch # N/A \$ 283.00		
				Jody Campbell	10/18/2012	74246	26340	PW 10	Ch # N/A \$ 396.00		
				John McMahon	10/18/2012	74249	22440	PW 11	Ch # N/A \$ 337.00		
				Jody Campbell	10/18/2012	74254	30140	PW 10	Ch # N/A \$ 453.00		
				John McMahon	10/18/2012	74258	29040	PW 11	Ch # N/A \$ 436.00		
				Dorris Young	10/22/2012	74340	22840	RCHD 44	Ch # N/A \$ 343.00		
				Jody Campbell	10/22/2012	74341	23340	PW 11	Ch # N/A \$ 351.00		
				Ronnie Hobbs	10/22/2012	74343	21200	RCHD 42	Ch # N/A \$ 318.00		
				Randy Campbell	10/22/2012	74345	24160	PW 10	Ch # N/A \$ 375.00		
				Dorris Young	10/22/2012	74353	21120	RCHD 44	Ch # N/A \$ 317.00		
				Total Cost of Trucks needed for Demolition \$ 5,781.00							
				Scott's Septic Tank Service, LLC	P. O. No. 41781	Inv No.	3448	N/A	Ch # 005139 \$ 200.00	Removal of the Septic Tank	
				Griggs B. Maloney, Inc.	P. O. No. 39459	Inv No.	16920	N/A	Ch # 223395 \$ 1,300.00	Asbestos and Lead Paint Survey	
				Total OVERALL Demolition Cost \$ 14,601.79							

Hazard Mitigation Grant Program
Rutherford County
Closeout Review
FEMA ID# 1909-0043— TEMA ID# 0320

Financial Summary					
Prop. ID#	Owner	Addresses	Approved Costs	Actual Costs	Difference
001	Chad Hutchins	6291 Florence Road	\$ 273,000.00	\$ 198,388.12	\$ 74,611.88
002	Rosemarie Stingley	6988 Old Woodbury Pike	\$ 100,875.00	\$ 89,277.08	\$ 11,597.92
003	Margo L. Massey	508 Deerfield Drive	\$ 164,000.00	\$ 162,156.29	\$ 1,843.71
TOTALS			\$ 537,875.00	\$ 449,821.49	\$ 88,053.51

☐ Denotes properties that were not purchased. Property owner opted not to be a part of the project.

Approved Costs vs. Actual Costs	Line Items	Approved Costs	Actual Costs	Difference
	Appraisal Cost	\$ 1,500.00	\$ 1,200.00	\$ 300.00
	Acquisition/Fairmarket Value	\$ 518,375.00	\$ 403,386.90	\$ 114,988.10
	Closing Cost/Legal Fees	\$ 3,000.00	\$ 6,361.12	\$ (3,361.12)
	Demolition Cost	\$ 15,000.00	\$ 38,873.47	\$ (23,873.47)
Final Project Costs		\$ 537,875.00	\$ 449,821.49	\$ 88,053.51

Approved Shares vs. Actual Shares	Line Items	Approved Costs	Actual Costs	Difference
	Federal Share	\$ 403,406.00	\$ 337,366.00	\$ 66,040.00
	State Share	\$ 67,234.50	\$ 56,227.74	\$ 11,006.76
	Local Share	\$ 67,234.50	\$ 56,227.75	\$ 11,006.75
Final Project Costs		\$ 537,875.00	\$ 449,821.49	\$ 88,053.51

**Hazard Mitigation Grant Program
Rutherford County
Closeout Review
FEMA ID# 1909-0043— TEMA ID# 0320**

Obligations and Project Recapitulation							
TEMA ID	FEMA ID	Obligation Type	100% Amount Eligible	Federal Share	State Share	Local Share	Financial Approval
0320	0043	Original Obligation	\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50	3/9/2012
		Pending De-Obligation	\$ (88,053.51)	\$ (66,040.00)	\$ (11,006.76)	\$ (11,006.75)	
TOTAL			\$ 449,821.49	\$ 337,366.00	\$ 56,227.74	\$ 56,227.75	

Payment Reconciliation						
Date	Type Transaction	100% Amount Eligible	Federal Share	State Share	Local Share	Grant/Payment Amount
9/26/2008	Obligation	\$ 537,875.00	\$ 403,406.00	\$ 67,234.50	\$ 67,234.50	\$ 470,640.50
	Pending De-Obligation	(\$88,053.51)	(\$66,040.00)	(\$11,006.76)	(\$11,006.75)	\$ (77,046.76)
01/27/2012	Payment No. 01	\$ 146,200.00	\$ 109,650.00	\$ 18,275.00	\$ 18,275.00	\$ 127,925.00
09/19/2012	Payment No. 02	\$ 77,579.90	\$ 58,185.00	\$ 9,697.45	\$ 9,697.45	\$ 67,882.45
11/16/2013	Payment No. 03	\$ 181,000.00	\$ 135,750.00	\$ 22,625.00	\$ 22,625.00	\$ 158,375.00
08/03/2014	Payment No. 04	\$ 45,041.59	\$ 33,781.00	\$ 5,630.29	\$ 5,630.30	\$ 39,411.29
Total Obligations		\$ 449,821.49	\$ 337,366.00	\$ 56,227.74	\$ 56,227.75	\$ 393,593.74
Total Payments		\$ 449,821.49	\$ 337,366.00	\$ 56,227.74	\$ 56,227.75	\$ 393,593.74
Balance		\$ (0.00)	\$ -	\$ -	\$ 0.00	\$ -
Final Payment			\$			-

Donna E. Holden

Prepared By Donna E. Holden
TEMA Mitigation Financial Officer

September 2, 2014

Date

The County Engineer has spoken with community leaders and citizens around the County who have suffered flooding problems in their homes, businesses and/or land. Also, some of the people interviewed ask about the National Flood Insurance Program. Some homeowners have been told by their insurance company that they cannot buy flood insurance in Rutherford County. We assured them that they could buy flood insurance in Rutherford County and if their insurance company would not sell it, they should go to another insurance company or visit FEMA's website, www.fema.gov.

PUBLIC MEETINGS:

An advertisement was run in the Murfreesboro Post on August 4th 2015, announcing a public meeting would be held on August 21st 2015, to describe the planning process and receive input from the citizens of Rutherford County. All comments received from the public were to be reviewed and will be incorporated into the final version of the plan as appropriate. This meeting also allowed the opportunity for neighboring communities, businesses, agencies, nonprofits, and other interested parties to be apart of the planning process. No members of the public attended the meeting.

The following existing plans, studies, reports, and technical information were used in developing this updated plan.

State of Tennessee Hazard Mitigation Plan (October 2007)
NOAA National Climatic Data Center
Rutherford County Emergency Operations Plan
Tennessee Emergency Management Agency Emergency Operations Plan
Local Hazard Mitigation Planning Guidance
Local Hazard Mitigation Plan Workshop – Participants Manual
State and Local Mitigation Planning “How-to” Guides
FEMA 386-1 *Getting Started*
FEMA 386-2 *Understanding Your Communities Risks*
FEMA 386-3 *Developing a Mitigation Plan*
FEMA 386-4 *Bring the Plan to Life*
Taking Shelter From the Storm: Building a Safe Room Inside Your Home
FEMA Benefit-Cost Analysis Workshop Manual
Urban Growth Plan – Rutherford County, Tennessee
Rutherford County Hazard Mitigation Plan

III. HAZARD VULNERABILITY RISK ASSESSMENT

Risk assessment is the process of measuring the potential loss of life, personal injury, economic injury, and property damage resulting from natural or man-made hazards. The results of this risk assessment assisted Rutherford County and its incorporated municipalities in identifying and understanding their risks from natural and man-made hazards. This information also serves as the foundation for the development of the mitigation plan and strategies to help reduce risks from future hazard events.

This risk assessment followed the methodology described in the FEMA publication

386-2 “Understanding Your Risks – Identifying Hazards and Estimating Losses” and was based on a four-step process: 1) Identify Hazards, 2) Profile Hazard Events 3) Inventory Assets, and 4) Estimate Losses. Using FEMA guidance, as well as the Section 322 regulations for developing local hazard mitigation plans, a risk assessment that identifies the following was developed.

The hazards to which the county and its communities are susceptible
The impact of these hazards on physical, social, and economic assets
The areas within the county most vulnerable to these hazards
The potential costs of damages or costs avoided through future mitigation projects

A. Hazard Identification

Rutherford County is subject to a myriad of natural, technological, or man-made events. Those hazards possessing the greatest potential severity have become identified as hazards of prime concern.

The first step in the risk assessment process was to identify each of the hazards that could occur within Rutherford County. The natural hazard identification process began with researching previous hazard events based on historical data compiled by the Rutherford County Emergency Management Agency. The data collected came from newspaper reports, internet research, personal experiences, public records, and records kept in the Emergency Management Agency office for the last 37 years.

After reevaluating the three hazards listed in the original version of the Rutherford County Mitigation Plan (floods/flash floods, tornado, and hail), Rutherford County has decided to revise the hazard list for the 2016 update.

Now instead of just listing tornado and hail as separate hazards, the all-encompassing hazard classification “tornado/severe storms” has been created. “Tornado/Severe Storms” includes information on tornadoes, severe storm wind, and hail. Also, Rutherford County has decided to add the hazard “severe winter storms” to the hazard list. Even though severe winter storms aren’t considered a high-risk hazard for Rutherford County, it has caused vast impacts and thus needs to be listed. (See table 1)

Rutherford County has also identified Technological/Human Caused type hazards as well. There are no changes in the hazard vulnerability assessment from the previous list (See table 2)

Hazards and mitigations strategies are prioritized by the frequency of the hazard and cost/benefit review. From this point on within the plan, Rutherford County has deemed that all jurisdictions have the same vulnerability and risk to each hazard unless otherwise stated.

NATURALLY OCCURRING EVENTS (Table 1)

EVENT	PROBABILITY	HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	RISK
	<i>Likelihood this will occur</i>	<i>Possibility of death or injury</i>	<i>Physical losses and damages</i>	<i>Interruption of services</i>	<i>Relative Threat</i>
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 - 12
Blizzard	0	0	0	0	0
Disease Outbreak	1	1	1	1	4
Drought	1	1	1	1	4
Earthquake	1	2	3	3	9
Extreme Heat	1	1	1	1	4
Flash Flooding	2	1	1	1	5
Flooding	1	1	1	1	4
Ice Storm	1	1	1	1	4
Landslide	0	0	0	0	0
Mass Casualty Incident	2	2	1	1	6
Pandemic	2	2	0	2	0
Severe Thunderstorm	3	1	1	1	6
Snow Fall	1	1	1	1	4
Tornado	3	2	2	3	10
Wild Fire	1	1	1	1	4
AVERAGE SCORE	1.25	1.06	0.94	1.13	

Man Made/ Technological Events
(Table 2)

EVENT	PROBABILITY	HUMAN IMPACT	PROPERTY IMPACT	BUSINESS IMPACT	RISK
	<i>Likelihood this will occur</i>	<i>Possibility of death or injury</i>	<i>Physical losses and damages</i>	<i>Interruption of services</i>	<i>Relative Threat</i>
SCORE	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 = N/A 1 = Low 2 = Moderate 3 = High	0 - 12
Civil Disturbance	1	1	1	1	4
Communication Failure	1	1	1	1	4
Dam Failure	1	1	1	1	4
Evacuation of Gulf States	2	1	1	1	5
Fuel Shortage	1	1	1	1	4
Hazmat / Oil Spill / Explosion (fixed site)	2	2	1	1	6
Hazmat / Oil Spill / Explosion (transport)	2	2	1	1	6
Human Resource Shortages	1	1	1	1	4
Lack of Medical Care	1	1	1	1	4
Loss of Vendor Support	1	1	1	1	4
Major Structure Fire	1	1	1	1	4
Nuclear Facility Incident (transport)	1	1	1	1	4
Nuclear Facility Incident (fixed site)	0	0	0	0	0
Power Outage	2	1	1	2	6
Sewer System Failure	1	1	1	1	4
Terrorism	1	1	1	1	4
Transportation Failure	1	1	1	1	4
Water System Failure	1	1	1	1	4
AVERAGE SCORE	1.31	1.19	1.06	1.13	

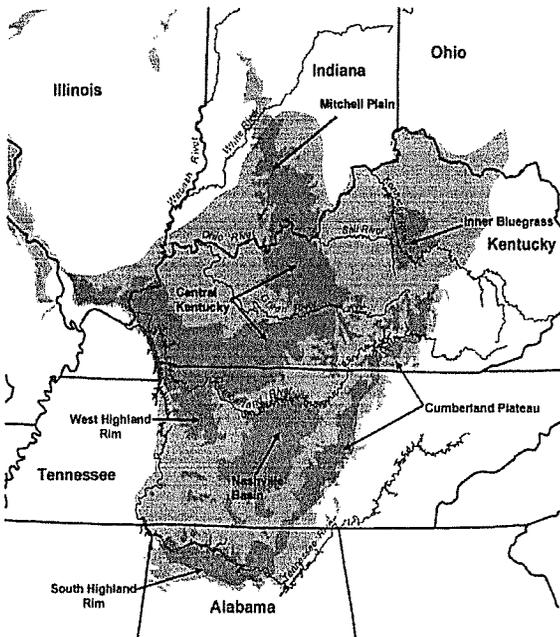
NATURAL HAZARDS Prime Concern:

FLOODING

Flooding is defined as a general and temporary condition of partial or complete inundation of normally dry land areas from excess water from snowmelt, rainfall, or storm surge accumulates and overflows onto the banks and adjacent floodplains.

Floods can be slow or fast rising but generally develop over a period of days. Several factors determine the severity of floods, including rainfall intensity (or other water source) and duration. A large amount of rainfall over a short time span can result in flash flood conditions.

Flooding/Flash Flooding is arguably the highest priority natural hazard in Rutherford County. This is largely due to the physical geography of the county which is situated over a vast Karst system, and is located within the Nashville Basin which includes several rivers and creeks.



For more information see:

http://water.usgs.gov/ogw/gwrp/activities/karst_hydro.html

Identification of floodplain areas within the county and incorporated municipalities was based on the most recent Flood Insurance Rate Maps (FIRM) produced by FEMA dated January 5 2007 and posted updates. The list of appropriate FIRM flood panels for the County, annotated in Appendix 3 of this plan and titled “Flood Zone Maps”, display the locations of all of the major water bodies in the county and delineates the 100-year floodplain boundaries (Zones A and AE). These are areas that have a one percent chance of equaling or exceeding the recorded base flood elevation during any year. Based on these maps all incorporated municipalities have 100-year floodplains within their jurisdictions.

General flooding occurs annually in Rutherford County, and it is the most common and costly disaster in the county. The National Climate Data Center lists 34 flooding events for Rutherford County since 1950, but there have been many smaller events. All of the jurisdictions participating in the plan have a high risk of flooding.

Based on historical events, such as the 9/17/2009 and 5/1/2010 floods, Rutherford County and its jurisdictions could experience over 8 feet of flood waters in some places. The following chart provides impacts descriptions of flood events in Rutherford County since 2004. An additional list of impacts is provided in Appendix 4.

Flood Impacts for Rutherford County since 2004				
Location	Date	Type	Property Damage	Impact Description
Countywide	2/5/2004	Flood	unknown	Water covered Highway 96 in Rutherford County
Smyrna	3/5/2004	Flash Flood	~\$0	Street flooding occurred near Smyrna Airport
Murfreesboro	10/19/2004	Flash Flood	~\$1,000	Water covered Jefferson Pike; Rutherford was declared an area of agricultural disaster where many farmers lost a majority of their crops; these farmers became eligible for federal aid
Countywide	11/30/2004	Flash Flood	~\$1,000	TDOT reported several roads being flooded (Sulphur Springs, Buckeye Bottom, Highway 99 at Mt. Pleasant, Thompson, & Armstrong Valley)
Murfreesboro	12/7/2004	Flash Flood	~\$1,000	County Farm Road was closed due to rising water; Jefferson Pike had high water at 3 locations
South Rutherford	1/23/2006	Flash Flood	~\$1,000	Several Roads were closed due to high water (includes Armstrong Valley Rd); Goochie Ford Rd & Elam Mill Rd had their slab bridges closed; high water signs were posted
North Rutherford	8/4/2006	Flash Flood	~\$1,000	Many roads were flooded in Murfreesboro; downpours caused several wrecks in Murfreesboro; the underpass at Old Nashville Hwy was flooded and closed in Lavergne
Christiana	9/17/2009	Flood	~\$250,000	At least 50 homes in the community of Christiana were flooded; 23 roads were closed; eighteen families had to be evacuated; cows were wading in the water almost up to their neck; boats and trackers were used to rescue people stranded in their homes; some waters were more than 8 feet deep at one point; cars, sheds, & homes in Christiana were submerged; farm equipment was damaged; a farm lost 400 chickens; a farmer lost 60 hay bales; a car was moved; no reported injuries are noted
Lavergne (Countywide)	5/1/2010	Flood	~\$3,500,00	A bridge on One Mile Lane that crosses Stewart Creek was underwater; numerous homes, businesses, non-commercial buildings, along with several county, state, and federal roads across the county received damage.

Nuisance flooding impacts many roads and properties in the county and municipalities due to outdated, poorly designed or maintained drainage systems. Engineering and Public Works is addressing these types of flooding episodes. One example of this is in November 2005, two grants were executed between the Tennessee Emergency Management Agency and Rutherford County for the Twin Oaks (PDM-PJ-04-TN2005-005) and Greenwood (PDM-PJ-04-TN2005-004) subdivision acquisition projects under the Pre-Disaster Mitigation Program. These FEMA grants were utilized to mitigate repetitive flooding problems of homes that were previously not designated to be in special flood hazard areas. These projects acquired seven properties in the Twin Oaks subdivision, and eleven properties in the Greenwood subdivision which were demolished, and the area returned to their natural state. These areas are now dedicated and maintained in perpetuity for use compatible with open space and wetlands management practices. Since the completion of these projects several rain events have continued to flood these areas. However, due to the success of these projects, no properties were impacted.

Areas known for flooding are mapped into the county GIS database and FEMA 100-year floodplain data is used to overlay and determine vulnerabilities.

Hazus-MH: Flood Event Report

Region Name: Rutherford County 100-year flood study

Flood Scenario: 100-year flood

Print Date: Wednesday, September 23, 2015

Disclaimer:

This version of Hazus utilizes 2010 Census Data.

Totals only reflect data for those census tracts/blocks included in the user's study region.

The estimates of social and economic impacts contained in this report were produced using Hazus loss estimation methodology software which is based on current scientific and engineering knowledge. There are uncertainties inherent in any loss estimation technique. Therefore, there may be significant differences between the modeled results contained in this report and the actual social and economic losses following a specific Flood. These results can be improved by using enhanced inventory data and flood hazard information.

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Hazus is a regional multi-hazard loss estimation model that was developed by the Federal Emergency Management Agency (FEMA) and the National Institute of Building Sciences (NIBS). The primary purpose of Hazus is to provide a methodology and software application to develop multi-hazard losses at a regional scale. These loss estimates would be used primarily by local, state and regional officials to plan and stimulate efforts to reduce risks from multi-hazards and to prepare for emergency response and recovery.

The flood loss estimates provided in this report were based on a region that included 1 county(ies) from the following state(s):

- Tennessee

Note:

Appendix A contains a complete listing of the counties contained in the region.

The geographical size of the region is 624 square miles and contains 4,926 census blocks. The region contains over 96 thousand households and has a total population of 262,604 people (2010 Census Bureau data). The distribution of population by State and County for the study region is provided in Appendix B.

There are an estimated 87,749 buildings in the region with a total building replacement value (excluding contents) of 26,893 million dollars (2010 dollars). Approximately 98.11% of the buildings (and 82.09% of the building value) are associated with residential housing.

General Building Stock

Hazus estimates that there are 87,749 buildings in the region which have an aggregate total replacement value of 26,893 million (2010 dollars). Table 1 and Table 2 present the relative distribution of the value with respect to the general occupancies by Study Region and Scenario respectively. Appendix B provides a general distribution of the building value by State and County.

Table 1
Building Exposure by Occupancy Type for the Study Region

Occupancy	Exposure (\$1000)	Percent of Total
Residential	22,075,765	82.1%
Commercial	3,270,844	12.2%
Industrial	838,440	3.1%
Agricultural	60,717	0.2%
Religion	357,525	1.3%
Government	84,378	0.3%
Education	215,644	0.8%
Total	26,893,411	100.00%

Table 2
Building Exposure by Occupancy Type for the Scenario

Occupancy	Exposure (\$1000)	Percent of Total
Residential	5,874,016	76.6%
Commercial	1,110,188	14.5%
Industrial	419,824	5.5%
Agricultural	20,542	0.3%
Religion	114,883	1.5%
Government	41,854	0.5%
Education	83,893	1.1%
Total	7,665,380	100.00%

Essential Facility Inventory

For essential facilities, there are 1 hospitals in the region with a total bed capacity of 189 beds. There are 65 schools, 15 fire stations, 4 police stations and no emergency operation centers.

Hazus used the following set of information to define the flood parameters for the flood loss estimate provided in this report.

Study Region Name: Rutherford County 100-year flood study
Scenario Name: 100-year flood
Return Period Analyzed: 100
Analysis Options Analyzed: No What-ifs

General Building Stock Damage

Hazus estimates that about 1,376 buildings will be at least moderately damaged. This is over 19% of the total number of buildings in the scenario. There are an estimated 249 buildings that will be completely destroyed. The definition of the 'damage states' is provided in Volume 1: Chapter 5 of the Hazus Flood Technical Manual. Table 3 below summarizes the expected damage by general occupancy for the buildings in the region. Table 4 summarizes the expected damage by general building type.

Table 3: Expected Building Damage by Occupancy

Occupancy	1-10		11-20		21-30		31-40		41-50		Substantially	
	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
Agriculture	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Commercial	1	4.55	16	72.73	4	18.18	1	4.55	0	0.00	0	0.00
Education	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
Government	0	0.00	2	100.00	0	0.00	0	0.00	0	0.00	0	0.00
Industrial	0	0.00	2	33.33	0	0.00	3	50.00	0	0.00	1	16.67
Religion	0	0.00	2	100.00	0	0.00	0	0.00	0	0.00	0	0.00
Residential	0	0.00	37	2.75	412	30.83	198	14.72	450	33.46	248	18.44
Total	1		59		416		202		450		249	

Table 4: Expected Building Damage by Building Type

Building Type	1-10		11-20		21-30		31-40		41-50		Substantially	
	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)	Count	(%)
Concrete	0	0.00	3	75.00	0	0.00	1	25.00	0	0.00	0	0.00
Manuf/Housing	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	19	100.00
Masonry	0	0.00	7	7.87	27	30.34	13	14.61	27	30.34	15	16.85
Steel	0	0.00	7	70.00	2	20.00	1	10.00	0	0.00	0	0.00
Wood	0	0.00	40	3.15	392	30.81	191	15.06	427	33.68	219	17.19

Before the flood analyzed in this scenario, the region had 189 hospital beds available for use. On the day of the scenario flood event, the model estimates that 189 hospital beds are available in the region.

Table 5: Expected Damage to Essential Facilities

Classification	Total	# Facilities		
		At Least Moderate	At Least Substantial	Loss of Use
Fire Stations	15	2	0	2
Hospitals	1	0	0	0
Police Stations	4	0	0	0
Schools	65	5	0	5

If this report displays all zeros or is blank, two possibilities can explain this.

- (1) None of your facilities were flooded. This can be checked by mapping the inventory data on the depth grid.
- (2) The analysis was not run. This can be tested by checking the run box on the Analysis Menu and seeing if a message box asks you to replace the existing results.

Debris Generation

Hazus estimates the amount of debris that will be generated by the flood. The model breaks debris into three general categories: 1) Finishes (dry wall, insulation, etc.), 2) Structural (wood, brick, etc.) and 3) Foundations (concrete slab, concrete block, rebar, etc.). This distinction is made because of the different types of material handling equipment required to handle the debris.

The model estimates that a total of 25,111 tons of debris will be generated. Of the total amount, Finishes comprises 33% of the total, Structure comprises 37% of the total. If the debris tonnage is converted into an estimated number of truckloads, it will require 1,004 truckloads (@25 tons/truck) to remove the debris generated by the flood.

Shelter Requirements

Hazus estimates the number of households that are expected to be displaced from their homes due to the flood and the associated potential evacuation. Hazus also estimates those displaced people that will require accommodations in temporary public shelters. The model estimates 4,441 households will be displaced due to the flood. Displacement includes households evacuated from within or very near to the inundated area. Of these, 10,573 people (out of a total population of 262,604) will seek temporary shelter in public shelters.

The total economic loss estimated for the flood is \$38.40 million dollars, which represents 12.24 % of the total replacement value of the scenario buildings.

Building-Related Losses

The building losses are broken into two categories: direct building losses and business interruption losses. The direct building losses are the estimated costs to repair or replace the damage caused to the building and its contents. The business interruption losses are the losses associated with inability to operate a business because of the damage sustained during the flood. Business interruption losses also include the temporary living expenses for those people displaced from their homes because of the flood.

The total building-related losses were \$33.72 million dollars. 0% of the estimated losses were related to the business interruption of the region. The residential occupancies made up 45.41% of the total loss. Table 6 below provides a summary of the losses associated with the building damage.

Table 6: Building-Related Economic Loss Estimates
(Millions of dollars)

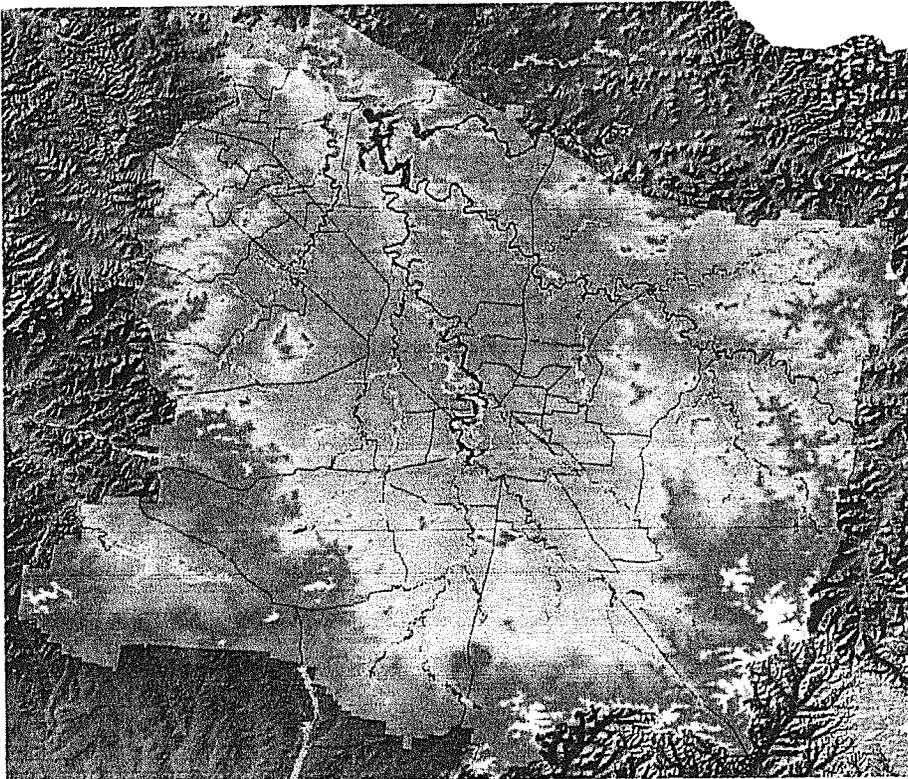
Category	Area	Residential	Commercial	Industrial	Others	Total
Building Loss						
	Building	250.18	69.84	35.97	13.40	369.38
	Content	165.54	206.10	93.18	52.07	516.90
	Inventory	0.80	5.09	12.03	0.33	17.45
	Subtotal	426.52	381.02	141.18	65.80	933.72
Business Interruption						
	Income	0.02	0.85	0.01	0.07	0.95
	Relocation	0.26	0.24	0.01	0.05	0.56
	Rental Income	0.09	0.17	0.00	0.00	0.27
	Wage	0.05	0.77	0.01	2.07	2.90
	Subtotal	0.42	2.03	0.03	2.19	4.68
ALL	Total	426.15	383.06	141.21	67.99	938.40

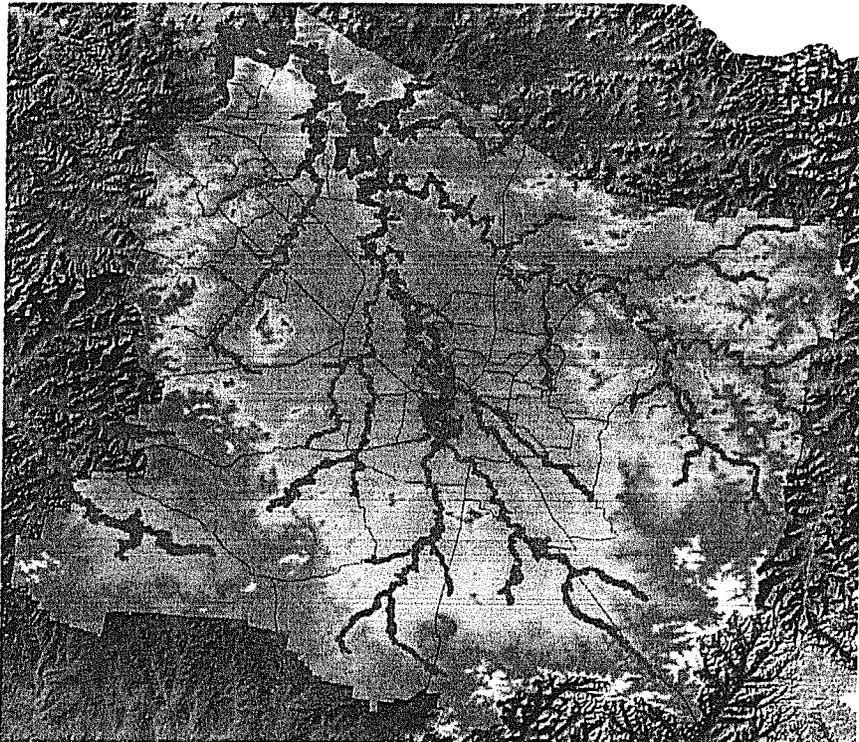
Appendix A: County Listing for the Region

- Tennessee
- Rutherford

Appendix B: Regional Population and Building Value Data

	Population	Building Value (thousands of dollars)		
		Residential	Non-Residential	Total
Tennessee				
Rutherford	262,604	22,075,765	4,817,646	26,893,411
Total	262,604	22,075,765	4,817,646	26,893,411
Total Study Region	262,604	22,075,765	4,817,646	26,893,411





2. Tornadoes/Severe Storms

According to the National Weather Service, to consider a storm severe it must encompass one of three traits: produce winds greater than 58 miles per hour (50.4 knots), produce hail $\frac{3}{4}$ of an inch or greater in diameter, or produce tornadoes.

A tornado is a violently rotating column of air extending from a thunderstorm to the ground. They vary greatly in behavior, size, shape, intensity and destructive potential. The most violent tornadoes are capable of tremendous destruction with wind velocity of 250 mph or more. They may move forward at speeds up to 70 mph but generally average between 25-40 mph as they move across land or water. Damage paths can be in excess of 1 mile wide and 50 miles long. However in Tennessee, the average length is from a few hundred yards to three miles. Because of prevailing wind patterns, 59 percent of all tornadoes in the United States move from SW to NE direction.

Tornadoes are among the most unpredictable of weather phenomena. Tornadoes can occur in any state but are more frequent in the West and Middle regions. In the southern states, peak tornado occurrence is in March through May; however, tornadoes can strike at any time of the year. Rutherford County has had a tornado occurrence in every month of the year except July, August, and October.

Predicting exactly what parts of Rutherford County have a greater chance of being struck by a tornado is difficult. The best predictor of future tornadoes is the occurrence of previous tornadoes. In May 2007 in Middle Tennessee specifically, National Weather Service data indicated a total of 421 people died in a total of 486 tornadoes since 1830.

These tornadoes are characterized using the Enhanced Fujita (EF) Scale, which categorizes tornadoes based on wind speed and associated expected damages. The following table shows the tornado category (both in the older F-Scale and newer EF-Scale), typical impacts, and corresponding wind speeds.

Fujita Scale/Enhanced Fujita Scale for Tornadoes				
F-Scale	Fastest: Quarter Mile Wind Speed	Typical Impacts	Enhanced Scale: 3 Sec Wind Gust Speed	Enhanced F-Scale
F0	40-72 mph	Some damage to chimney; breaks branches off trees; pushes over shallow-rooted trees; damages sign boards.	65-85 mph	EF0
F1	73-112 mph	Peels surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads; attached garages may be destroyed.	86-110 mph	EF1
F2	113-157 mph	Considerable damage. Roofs torn off frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light object missiles generated.	111-135 mph	EF2
F3	158-206 mph	Roof and some walls torn off well constructed houses; trains overturned; most trees in forest uprooted.	136-165 mph	EF3
F4	207-260 mph	Well-constructed houses leveled; structures with weak foundations blown off some distance; cars thrown and large missiles generated.	166-200 mph	EF4
F5	261-318 mph	Strong frame houses lifted off foundations and carried considerable distances to disintegrate; automobile sized missiles fly through the air in excess of 100 meters; trees debarked; steel reinforced concrete structures badly damaged.	Over 200 mph	EF5

Rutherford County has had 42 recorded tornadoes with 36 deaths, 279 injured. Rutherford County has received three Presidential Declarations from damage caused by tornadoes.

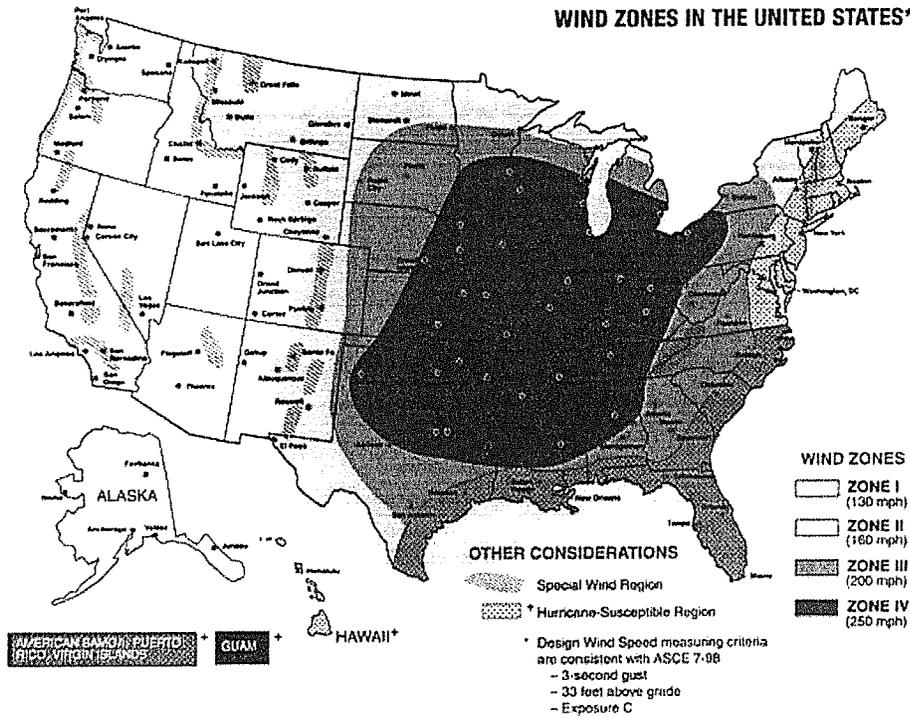
- April 18, 1877 – 10 dead, 50 injured – LaVergne area
- November 20, 1900 – 9 dead, 40 injured – LaVergne area
- March 13, 1913 – 7 dead, 15 injured – Eagleville area
- March 18, 1925 – 3 dead, 15 injured – Fosterville area
- January 24, 1997 – 18 injured, \$5.3M property damage – Barfield area
- June 2, 1998 - \$1.76M property damage – Smyrna area
- April 28, 2002 – 31 injured – Christiana area
- April 10, 2009 – 2 dead, 42 injured - \$42M in damage – Murfreesboro

Based on historical events, Rutherford County and its jurisdictions could experience an EF4 or higher tornado, and severe storm winds of over 75 knots. Previous occurrences also show that Rutherford County and its jurisdictions have the probability of a tornado occurring every few years and the chance of high winds from severe storms occurring about four times a year. The following chart provides impacts descriptions of tornado/severe storm wind events in Rutherford County since 2009. An additional list of impacts is provided in Appendix 4.

Tornado/Wind Storm Impacts for Rutherford County since 2009					
Location	Date	Type	Extent	Property Damage	Impact Description
Lavergne	2/11/2009	T-storm wind	75 kts	~\$150,000	several commercial buildings had major roof damage
Murfreesboro	3/28/2009	T-storm wind	50 kts	~\$6,000	several trees were downed near downtown Murfreesboro
Murfreesboro	3/28/2009	T-storm wind	50 kts	~\$25,000	roof damage, signs down, and other damage to businesses reported on Memorial Drive
Allisona, Lofton, Eagleville, Murfreesboro, etc.	4/10/2009	Tornado	F4	~\$100,000,000	over 845 homes were damaged, of these 117 were destroyed, 298 had major damage, 176 had minor damage; as many as 18,000 homes were without power after the tornado; created 2.7 million pounds of debris; 12 to 15 several well constructed homes were destroyed; hardwood trees were debarked; vehicles tossed considerable distances; two fatalities; 58 injuries (at least 7 were serious); lots of roof damage along the tornado's 23.25 mile track; a brick home was completely destroyed & thrown off its foundation; 4 other homes completely destroyed are Murfreesboro; a 60 foot section of the national cemetery wall and a cannon display was destroyed; 2-story office building had the complete upper floor removed; several semi trailers were picked up & tossed;
Rucker	4/10/2009	Tornado	F0	~\$5,000	pushed down several oak trees
Pleasant View	4/10/2009	Tornado	F1	~\$60,000	damage was limited to an area along Bradyville Pike; 4 homes received damage along with a barn; several trees were snapped or uprooted
Murfreesboro	5/16/2009	T-storm wind	45 kts	~\$10,000	the pavilion at the New Vision Baptist Church was blown down resulting in one minor injury; about 50 Middle Tennessee Electric Membership Corporation customers lost power temporarily
Rucker	6/11/2009	T-storm wind	60 kts	~\$120,000	about five trees were downed; one tree with a diameter of 38-40 inches was uprooted and landed on the central portion of a home causing damage
Countywide	6/11/2009	T-storm wind	55 kts	~\$10,000	trees were reported down on East Main Street; tree branches were down countywide
Compton	6/16/2009	T-storm wind	60 kts	~\$25,000	many large trees/limbs were downed near U.S. Hwy 231 & Compton Rd
Smyrna	6/19/2009	T-storm wind	52 kts	~\$0	no impacts reported
Lavergne	5/17/2010	T-storm wind	50 kts	~\$2,000	several trees were blown down in and around Lavergne
Walterhill	5/26/2010	T-storm wind	45 kts	~\$25,000	detached three car carport was damaged
Smyrna	6/2/2010	T-storm wind	55 kts	~\$50,000	several trees were downed across the city of Smyrna. Some of these trees fell onto power lines, resulting in temporary power outages in several locations across the city
Almaville	6/9/2010	T-storm wind	55 kts	~\$10,000	trees were blown down near the intersection of Hwy 96 & Hwy 102
Murfreesboro	6/16/2010	T-storm wind	55 kts	~\$5,000	a large tree was blown over onto two parked vehicles
Murfreesboro	6/24/2010	T-storm wind	55 kts	~\$11,000	a traffic light was damaged; several trees were downed
Jefferson	6/25/2010	T-storm wind	55 kts	~\$10,000	trees blown down along Hwy 70 south
Smyrna	6/26/2010	T-storm wind	55 kts	~\$25,000	trees & power lines were reported downed in Smyrna

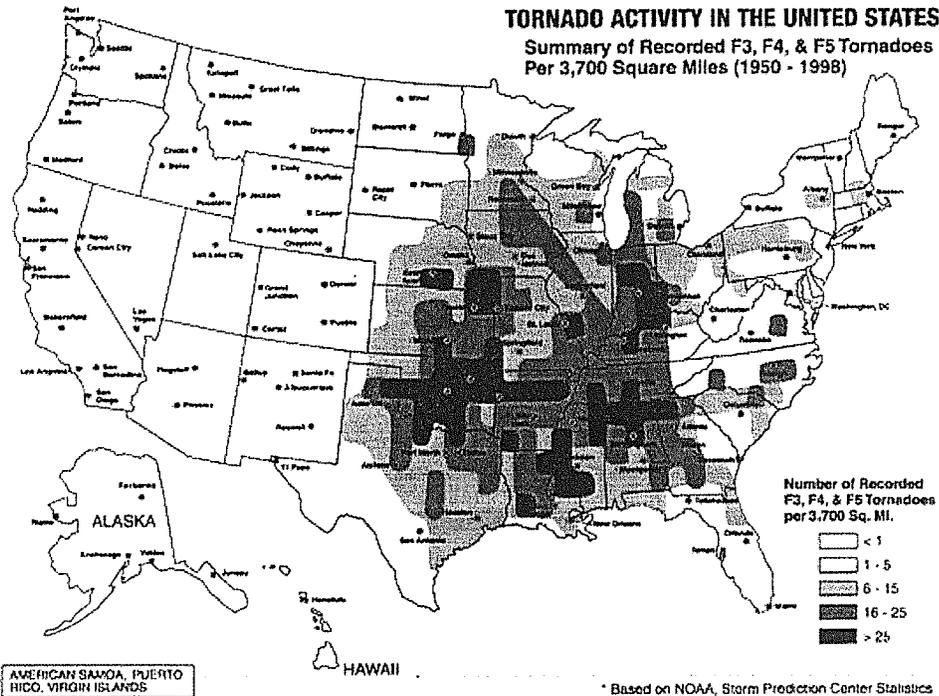
For planning purposes it is less important to map the tornado risk than it is to identify it. This is because it is so difficult to predict the path of future tornadoes, because they have occurred in just about every part of Rutherford County in the past. The Fujita scale provides us with an idea of the strength and extent of damages of tornadoes that can occur in Rutherford County. Additional resources to help understand the extent of tornado risks for our area are the "Design Wind Speed Map" developed by the American Society of Civil Engineers (ASCE) and the "Tornado Activity in the United States" map based on NOAA Prediction Center statistics. According to the WIND ZONES IN THE UNITED STATES map, most of the state of Tennessee is located in Zone IV, which is an area associated with up to 250 mph wind speeds.

WIND ZONES IN THE UNITED STATES*



TORNADO ACTIVITY IN THE UNITED STATES*

Summary of Recorded F3, F4, & F5 Tornadoes Per 3,700 Square Miles (1950 - 1998)



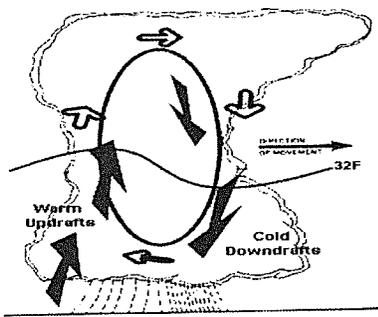
Using the TORNADO ACTIVITY IN THE UNITED STATES map, which shows the number of recorded F3 to F5 tornados per 3,700 square miles, Rutherford County Tennessee is in an area of high risk. (Information obtained from FEMA.gov.)

> As indicated in the below attached map most of Oklahoma, half of Indiana, and
25 isolated areas in the following states: Nebraska, Kansas, Texas, Missouri,
Arkansas, Louisiana, Ohio, Kentucky, Tennessee, Mississippi, Alabama and
Georgia

Because tornadoes tend to strike at random it is virtually impossible to predict exactly what parts of Rutherford County have a greater chance of being struck by a tornado; therefore, we must consider all 260,000 residents as being potentially vulnerable to tornadoes.

Hail is associated with large thunderstorms and high winds. Hail falls from thunderstorms in all different shapes, sizes and intensities. When hail falls to the earth it can wreak havoc on anything it comes in contact with. Hail can be extremely destructive to roof tops and automobiles. In past years Rutherford County has significant damage due to hail.

Hail is formed in huge cumulonimbus clouds, commonly known as thunderheads. When these thunderheads contain strong updrafts of warm air and downdrafts of cold air a water droplet can be picked up by the updrafts and carried up into the air until the temperature drops below the freezing level. With temperatures below 32 degrees Fahrenheit the water droplet freezes into a small piece of ice. As the droplet reaches cold downdrafts, it will begin to fall back down toward the bottom of the cloud, it may thaw as it moves into warmer air toward the bottom of the thunderstorm. If the updrafts are strong enough, they may pick the droplet back up and take it again into air below 32 degrees, freezing the droplet again, this process will continue as long as the updrafts are strong enough to pick the piece of hail. When the hail reaches a weight that is too heavy for the updraft to pick it up it will fall from the cloud to the ground. Therefore, the stronger the updrafts and the colder the atmospheric air, the bigger the hail can get. The following diagram shows the process of how hail is formed:



The size of hail is related to sizes that most people can relate to. For example, the smallest measurable hail is referred to as “pea size” hail which has a diameter of 1/4-inch diameter. The next larger size hail is referred to as “marble/mothball” hail which is 1/2 inch diameter. These two sizes of hail are not considered to be severe in terms of damage. Anything with a diameter of 1 inch or larger is considered severe. The following table show the terms related to different sizes of hail:

Pea = 1/4 inch diameter

Marble/mothball = 1/2 inch diameter

Dime/Penny = 3/4 inch diameter - hail penny size or larger is considered severe

Nickel = 7/8 inch

Quarter = 1 inch (Quantifies a "Severe" Category)

Ping-Pong Ball = 1 1/2 inch

Golf Ball = 1 3/4 inches

Tennis Ball = 2 1/2 inches

Baseball = 2 3/4 inches

Tea cup = 3 inches

Grapefruit = 4 inches

Softball = 4 1/2 inches

Based on historical events, Rutherford County and its jurisdictions could experience hail measurements over 2.75 inches.

The following chart provides impacts descriptions of hail events in Rutherford County since 2006. An additional list of impacts is provided in Appendix 4.

Hail Events in Rutherford County since 2006		
Location	Date	Extent
Christiana, Murfreesboro	4/2/2006	0.88 - 1.50 inch
Murfreesboro, Smyrna	4/7/2006	0.88 - 2.00 inch
Walterhill	4/20/2006	0.88 inch
Smyrna, Murfreesboro	5/25/2006	0.75 - 2.75 inch
Murfreesboro	6/20/2006	0.88 inch
Murfreesboro	6/30/2006	0.88 inch
Murfreesboro	4/3/2007	0.75 - 1.00 inch
Smyrna	7/23/2007	1.00 inch
Murfreesboro	6/1/2008	0.75 inch
Murfreesboro	6/9/2008	0.88 inch
Murfreesboro	6/21/2008	0.88 - 1.00 inch
Murfreesboro	3/28/2009	0.75 inch
Murfreesboro, Smyrna	4/10/2009	1.00 - 1.75 inch
Christiana, Murfreesboro	5/15/2009	0.88 - 1.00 inch
Smyrna	6/16/2009	1.75 inch

Other Hail impact information may be found at this link:

<http://www.stormersite.com/hailstorms.cfm?geonameid=4644312>

These measurements are difficult to obtain because of the irregular shape of hail. The largest hailstone ever recorded fell in Coffeyville, Kansas on September 3, 1970. It measured about 17.5 inches in circumference, which is over 5.6 inches in diameter and weighed more than 26 ounces, almost 2 pounds.

The severity and number of times that hail will fall in the county in given year is extremely difficult, if not impossible to predict, due to the randomness with which these storms occur. It can be predicted that

Rutherford County will experience these events on an annual basis, with the damages ranging from minor to significant.

3. Severe Winter Storms

Severe Winter Storms includes snow storms, ice storms and blizzards, but in Tennessee the term mostly refers to extreme cold and ice. Because of the State's generally mild winters, major winter storms occur on average about once every five years, affecting Rutherford County and its jurisdictions.

When it comes to actual severe winter storms occurring within Rutherford County and its jurisdictions, the county has experienced impacts such as downed power lines, downed tree branches, closed roads, and automobile accidents caused by “black ice.”

Rutherford County and all its jurisdictions are most likely to receive one to three inches of snow based on historical events but, could receive as much as 12 inches of snow or more.

The following chart provides severe winter storm events in Rutherford County from January 2005 to October 2010 based on NCDC data. An additional list of impacts is provided in Appendix 4.

Severe Winter Storm Impacts for Rutherford County since 2005		
Type of Event	Date	Impact Description
Heavy Snow	2/10/2006	about 3 to 4 inches of snowfall; overnight the snow mixed with and changed to rain
Winter Storm	3/7/2008	mixture of sleet, snow, and freezing rain; a few inches of snowfall; bad driving conditions
Heavy Snow	3/1/2009	two inches of snow occurred in one hour in Murfreesboro; started out as sleet, then turned into snow that reduced driving visibility in the county
Winter Weather	12/5/2009	some snow fall; hazardous driving conditions
Heavy Snow	1/29/2010	total snowfall across middle Tennessee ranged between 3 to 9 inches; multiple roads closed; hazardous driving conditions; several car accidents
Ice Storm	1/29/2010	ice accumulated along roads and tree branches; between 1/4 to 1/2 inch of ice accumulation measured
Winter Weather	2/8/2010	over one inch of snowfall in Murfreesboro; resulted in multiple roads across Murfreesboro and the surrounding areas; several car accidents occurred
Winter Weather	2/14/2010	snowfall caused several road closures

B. Identifying Assets

The Hazard Mitigation Plan for Rutherford County identifies critical facilities located in the County and the hazards to which these facilities are susceptible. A critical facility is defined as a facility in either the public or private sector that provides essential products and services to the general public, is otherwise necessary to preserve the welfare and quality of life in the County, or fulfills important public safety, emergency response, and/or disaster recovery functions.

The critical facilities identified in the County are shelters; hospital and other health care facilities; gas, electric, and communication utilities; water and wastewater treatment plants; facilities with flammable or toxic materials; schools; fire and police stations and government services. (See Appendix 5 for listings)

The Hazard Mitigation Committee used GIS and other modeling tools to map the county's critical facilities and determine which are most likely to be affected by hazards. The three hazards most likely to impact the County are tornadoes/severe storms, flooding/flash flooding, and severe winter storms. The analysis revealed the following:

Tornado Hazard: All critical facilities could be affected

In addition to critical facilities, the County contains at risk populations that should be factored into a vulnerability assessment. These include a relatively large population of elderly residents with limited mobility.

An analysis of the projected population figures for Rutherford County indicates that the population will continue to grow in the next 20 years. Much of the residential development is expected to continue to occur within areas that contain portions of the 100-year floodplain.

C. Estimating Potential Losses

Because it is difficult to determine when or where a potential event may occur it is impossible to pre-estimate potential losses. However, through the county's Office of Information Technology, estimated losses can be obtained in a timely manner immediately following an event by utilizing our GIS database, and working with the tax assessors tax maps, to formulate and determine overall impact within Rutherford County.

D. Analysis of Land Uses and Development Trends

Rutherford County is located at the geographic center of the state of Tennessee. It has a total area of 640 square miles (409,600 acres). The county is bounded on the north by Wilson County, on the east by Cannon and Coffee Counties, on the south by Bedford and Marshall Counties, and on the west by Williamson and Davidson Counties. Murfreesboro, the county seat, is 32 miles southeast of Nashville. The Regional Map included with this plan illustrates the location of Rutherford County to surrounding counties (See Appendix 6 – Map of Rutherford County and surrounding counties).

The following land use activities, taken from the Rutherford County Zoning Maps and maintained by the Rutherford County Planning Department, can be found within Rutherford County. The draft county zoning map included within this plan illustrates the location and intensity of the land uses described below. (See Appendix 6– Rutherford County Zoning).

Commercial

Rutherford County is somewhat typical in that much of the County's major commercial use is located inside the larger municipalities, primarily Murfreesboro, Smyrna, LaVergne, and Eagleville. Scattered small commercial sites are located within the county at arterial and collector roads or within cross roads communities which serve the residents' convenience needs.

Industrial

Within Rutherford County, major industry is located inside the larger communities and is likely to remain in this condition due to infrastructure and services.

Residential

Within Rutherford County the residential development trend has primarily occurred along the frontages of major transportation route, arterial, and collector roads and the fringes of the incorporated communities. The great majority of this growth consists of residential development on a minimum of one-half acre lots where no public sewer exists, and some subdivisions on one-fourth acres lots where a STEP system has been installed. In the past few years, the pace of this activity has significantly risen with the outward migration of residents of Davidson County. Many of the purchases of residential lots are focused on the local market for employment however, there is an increasing proportion that commutes to work in Davidson and Williamson counties.

The area wide economy has mostly benefited from the associated growth; however, many of the municipalities and the unincorporated areas of the county have become bedroom communities placing strains on the infrastructure and available community services.

Annexation has been one response to the rapid growth of Rutherford County. As most of the municipalities in the county are at or very near build-out, there are not many undeveloped lots available for new development. This coupled with the desire for subdivisions has increased the amount of development on the fringes of the municipalities and in the unincorporated county. The response by some municipalities, particularly Murfreesboro and Smyrna, to this issue has been to annex the fringe developments and expand their municipal boundaries. This increases the city tax bases, but also increases the burdens on the municipalities to provide services and infrastructure. Current trends indicated new challenges and will continue to be before the local government.

Rutherford County has grown exponentially in the last few decades. This formerly rural, agricultural County is rapidly becoming a populated residential region. The 1990 census showed the county had 42,118 households and a population of 118,570. Between the 1990 and 2000 census Rutherford County's population grew by 53.5% to 182,023 with 66,443 households. The 2008 the census estimated near 102,000 households and a population of approximately 249,000. With the conclusion of the 2010 census currently underway is it expected that Rutherford County will see an estimated population of 260,000 residents surpassing the last census prediction for 2010 by 30,000 people.

The Rutherford County Urban Growth Map (appendix 6), included as part of this plan, illustrates the proposed Urban Growth Boundary (UGB) for each municipality with the remainder of the county being rural.

TECHNOLOGICAL/MAN-MADE HAZARDS Prime Concern

1. Biologic

A biologic hazard is medical, health, or sanitation threat (such as contamination, epidemics, plagues, insect infestation or foreign animal disease) which pose a threat to the general public, wildlife, or domestic animals. An epidemic or pandemic caused by either natural or man-made circumstances may result in an emergent event which has potential to impact a wide spectrum of the population. These risks may appear at any time or location with little or no warning.

2. Communications Failure

A communications failure is the widespread breakdown or disruption of normal communication capabilities. Major telephone outages, loss of local government radio tower and communications facilities as well as loss of back up generator capabilities causing long term interruption of electronic broadcast services, emergency 911, and other public safety communications PSAPS as well as other infrastructures vital to the continued safety and welfare of the general public. Natural, man-made, or technological hazards have the capability to disrupt these capabilities.

3. Energy Failure

Energy failure is the extended interruption in the supply of electric, petroleum, or natural gas. Disruption in these critical services can be caused by a number of factors, severe weather is typical in interruption of electric services; and failure of these systems would create a myriad of physical/fiscal problems throughout Rutherford County.

4. Hazardous Materials (HAZMAT)

A hazmat event is the uncontrolled release of chemical or biological substances into the environment, capable of posing risk to the health and safety of the public as well as impacting property and the environment. Hazardous materials incidents occur on a regular basis in Rutherford County and vary by scope and magnitude. There are 120 Tier II reporting facilities in the county who handle, store, work with or manufacture hazmat products. The county also has thirty plus miles in rail road and interstate with numerous and continuous hazmat transports occurring daily. Release of these materials may be caused by numerous means and they incidents may occur at anytime and anywhere in the county.

5. Terrorism

The Federal Bureau of Investigation defines terrorism as “The unlawful use of force against persons or property to intimidate or coerce a government, the civilian populations, of any segment thereof, in furtherance of political or social objectives.” The act of terrorism may occur anywhere and may include chemical, biological, explosive, radiological, or cyber related sources. Terrorism activity can be influenced and driven by international and/or domestic considerations.

6. Transportation

Transportation hazards may involve air or ground modes of transportation. A variety of circumstances can result in this type of incident; i.e., mechanical failure, operator error, terrorism, weather, etc.

IV. MITIGATION STRATEGY

A. Capability Assessment

The capability assessment identifies and evaluates existing systems including laws, standards, programs and policies that either reduces or increase a jurisdiction's vulnerability to hazards. This capability assessment focused on the evaluation of Rutherford County's existing programs and policies to determine what vehicles are already in place to support mitigation activities. These policies and programs were identified based on a review of existing plans and ordinances for the county and each of the municipalities.

National Flood Insurance Program (NFIP): Rutherford County and all its jurisdictions are participants in the National Flood Insurance Program. This program provides flood insurance to homes and businesses, which are located in floodplains at a reasonable cost; and encourages the location of new development away from the floodplain. The program is based upon mapping areas of flood risk, and requiring local implementation to reduce that risk, primarily through guidance of new development in floodplains.

Congress created the NFIP in 1968 to minimize response and recovery costs and to reduce the loss of life and damage to property caused by flooding. The Federal Emergency Management agency (FEMA) administers the NFIP. The two fundamental objectives of NFIP are to:

1. Ensure that new buildings will be free from flood damage; and
2. Prevent new developments from increasing flood damage to existing properties

The primary benefits of the NFIP are to:

1. Provide flood insurance coverage not generally available in the private market.
2. Stimulate local floodplain management to guide future development;
3. Emphasize less costly nonstructural flood control regulatory measures over structural measures; and
4. Reduce cost to the federal and state governments by shifting the burden from the general taxpayer to floodplain occupants.

Community participation in the NFIP is voluntary. However, those communities that do not participate are restricted by Federal sanctions for funding and support of floodplain development. The most significant of these sanctions is the unavailability of disaster relief funds for personal property repair and replacement under the Individual and Family Grant, Temporary Housing and Small Business Administration low interest loan programs.

The initial Flood Insurance Rate Maps (FIRM) identified by all jurisdictions within Rutherford County occurred between 1983 and 1986. All these jurisdictions have a current effective map dated

as October 16, 2008. Below are two charts containing NFIP Policy and Loss Data for Rutherford County as of 6/30/2010. Loss data for Eagleville is not available at this time.

NFIP Policy Data for Rutherford County (as of 6/30/2010)			
Jurisdiction	Policies In-Force	Insurance In-Force Whole \$	Written Premium In-Force
Rutherford Co.	506	104,614,300	257,166
Eagleville	4	550,000	2,802
Lavergne	135	23,164,500	87,144
Murfreesboro	526	136,716,100	324,526
Smyrna	171	34,378,300	101,759

Policies In-force: number of NFIP flood insurance policies

Insurance In-force whole \$: value of building and contents insured by the NFIP

Written Premium In-force: total premiums paid for NFIP insurance policies

NFIP Loss Data for Rutherford County (as of 05/31/2015)

	Total Losses	Closed Losses	Open Losses	CWOP Losses	Total Payments
LAVERGNE, CITY OF	55	44	0	11	958,622.63
MURFREESBORO, CITY OF	82	64	0	18	1,570,687.82
RUTHERFORD COUNTY *	168	128	0	40	1,302,726.95
SMYRNA, TOWN OF	69	55	0	14	1,378,577.41

Rutherford County and its jurisdictions have identified, analyzed, and prioritized four mitigation strategies to continue compliance with the NFIP.

1. Develop a regional GIS project to allow the County to address flood issues effectively.
2. Continue to evaluate improved standards that are proven to reduce flood damage.
3. Maintaining supplies of FEMA/NFIP materials to help homeowners evaluate measures to reduce damage.
4. Maintaining a map of areas that flood frequently and prioritizing those areas for inspection immediately following heavy rains or flooding event.

See Objective 2.4 in the plan's "Goals, Objectives, Actions" section for other NFIP actions.

Repetitive Loss Properties (NFIP): According to the National Flood Insurance Program, repetitive flood loss is defined as a facility or structure that has experienced two or more insurance claims of at least \$1,000 in any given ten year period since 1978. The chart below provides a summary of repetitive losses for the county as of September 2010.

Repetitive Loss Properties for Rutherford County						
Jurisdiction	Type of Structure	Flood Zone	Number of Losses	Total Building Payment	Total Contents Payment	Total Paid
Lavergne	Single Fmly	C	4	43,921.79	16,284.74	60,206.53
Lavergne	Single Fmly	X	2	13,396.45	8,736.04	22,132.49
Lavergne	Single Fmly	C	5	17,142.46	8,849.48	25,991.94
Lavergne	Single Fmly	X	2	53,188.56	5,455.02	58,643.58
Murfreesboro	Single Fmly	X	4	37,420.14	1,133.59	38,553.73
Murfreesboro	Non Residnt	AE	10	87,741.37	11,048.15	98,789.52
Murfreesboro	Single Fmly	A	2	15,119.18	0	15,119.18
Murfreesboro	Single Fmly	AE	2	38,115.36	10,000.00	48,115.36
Murfreesboro	Non Residnt	A04	4	409,600.97	195,921.49	605,522.46
Murfreesboro	Single Fmly	X	2	10,372.06	138.75	10,510.81
Murfreesboro	Single Fmly	X	3	14,423.55	3,748.73	18,172.28
Smyrna	Single Fmly	C	7	46,891.27	33,551.28	80,442.55
Smyrna	Non Residnt	C	2	17,261.25	1,175.40	18,436.65
Rutherford Unincor.	Single Fmly	X	2	8,061.38	0	8,061.38
Rutherford Unincor.	Single Fmly	X	2	12,341.37	620	12,961.37
Rutherford Unincor.	Single Fmly	X	3	63,283.79	23,455.15	86,738.94
Rutherford Unincor.	Single Fmly	X	2	7,421.70	1,656.38	9,078.08
Rutherford Unincor.	Single Fmly	B	2	4,994.60	0	4,994.60
Rutherford Unincor.	Single Fmly	X	5	69,851.66	15,777.43	85,629.09
Rutherford Unincor.	Single Fmly	B	3	19,542.20	5,932.34	25,474.54
Rutherford Unincor.	Single Fmly	A05	2	47,397.45	7,736.35	55,133.80

Emergency Management Agency: The Rutherford County Emergency Management Agency was created in 1990 for the purpose of developing plans and procedures that would provide the most effective and efficient coordination of resources available in the mitigation of, planning and preparedness for, response to and recovery from emergencies and disasters.

The agency is also responsible for helping prepare the citizens of Rutherford County to deal with emergencies and their consequences.

Rutherford County Emergency Operations Plan: This plan establishes the framework for the development of a comprehensive emergency management program within and for Rutherford County and its various political subdivisions. The emergency management program's purpose is to mitigate the potential effects of the various hazards that might impact the county, to prepare for the implementation of measures which will preserve life and minimize damage, to respond effectively to the needs of the citizens and local jurisdictions during emergencies, and to provide a recovery system to return the county and its communities to a normal status as soon as possible after such emergencies. This plan defines the roles and responsibilities associated with the mitigation, preparedness, response, and recovery efforts directed at natural, technological, or man-made events which may impact Rutherford County.

Rutherford County Hazardous Materials Response: The municipalities of Murfreesboro, Smyrna, and La Vergne have trained hazardous materials response groups through their jurisdictional fire departments. Rutherford County established a Special Operations Response Team (SORT) in 2001. SORT responds to incidents such as: Vehicle extrication, confined space, high angle, urban and wilderness SAR, swift water rescue, underwater recovery, and as a hazardous materials response team which works cohesively with other hazmat groups throughout the entire county.

Warning Systems: Currently there are only six warning siren systems in service in Rutherford County. This system is primarily designated for warning of the 30,000 students and faculty located on the Middle Tennessee State University (MTSU) campus. The placement of these sirens also provides limited warning capabilities for the central area of the City of Murfreesboro's residents.

This system is activated when a Tornado Warning is issued for Rutherford County, and is tested on a regular basis. MTSU Campus authorities also have a text warning system in place to provide the campus population with emergency information.

The Rutherford County has in place has an automated emergency telephone notification system called Alert Rutherford that is powered by Everbridge. This may be activated by emergency officials at any time. This system is utilized to warn the public of a specific or pending threat which may affect the general population. It has been used successfully on several occasions. Businesses and hard line telephones listed in the phone book will automatically receive public warnings, emergency information or instructions. Citizens may also sign up to receive alert notification by various means and applications. The Rutherford County Emergency Management Agency has implemented the use of several Social Media applications to assist emergency managers in timely dissemination of information to the public. <http://www.rcecd911.org/alertutherford/>

Geographic Information Systems (GIS): Rutherford County began GIS in 1998, when the county learned it would be one of the first in the state to participate in the Tennessee Base Mapping Program. As a result of the project, Rutherford County has high-quality GIS data and is well ahead of most counties in Tennessee. GIS is computer-based mapping and geographic analysis. The Rutherford County GIS department is responsible for coordinating GIS data sharing among government agencies and creating base map layers for use by these agencies and the public.

American Red Cross: Rutherford County is served by the Heart of Tennessee American Red Cross (ARC), which provides emergency preparedness and disaster awareness programs relating to floods, severe storms, tornadoes, and other disasters that might affect Rutherford County. The ARC supports appropriate legislation; however, it does not take the lead in these matters. (January 5, 1905 Congressional mandate; Public Law 93-288, Disaster Relief Act of 1974; statement of understanding between FEMA and ARC)

The National Weather Service: The National Weather Service (NWS) provides weather, hydrologic, and climate forecasts and warnings for the protection of life and property and the enhancement of the national economy. NWS data and products form a national information database and infrastructure which can be used by other governmental agencies, the private sector, the public, and the global community.

NOAA Alert System: NOAA, the voice of the National Weather Service, provides up to date weather information, 24 hours a day, every day of the year. Watches, Warnings, and weather statements from the NWS are given out over the NOAA Alert System. It is also a major component of the Emergency Alert System that speeds critical information through commercial broadcast outlets. This system can also be activated by emergency managers through the NWS to distribute warnings, emergency information and instructions to the public for any type of emergency event.

The Central United States Earthquake Consortium (CUSEC): CUSEC is an organization of 7 states (Tennessee, Arkansas, Illinois, Indiana, Kentucky, Missouri and Mississippi) dedicated to earthquake awareness; hazard reduction and research.

CUSEC's goal is to ensure that planners, developers, building officials, lenders, insurance representatives and other key players understand the potential consequences of earthquakes, and begin to incorporate mitigation into the daily decisions that are made on siting, design, and construction of buildings and lifelines.

Department of Agriculture (USDA):

Forest Service – Their primary responsibility lies in prevention and suppression of wild land fires on all land outside of municipalities.

All activities are aimed at reducing the number of fires and the acres burned through fire prevention, fire suppression, training, and working with rural fire department.

The TDF requires a burning permit be obtained before any open burning is conducted done between October 15 and May 15 every year.

Natural Resources Conservation Service (NRCS) – The NRCS can provide technical assistance in the conservation, development and productive use of soil and water resources. Their activities include:

(1) Watershed Protection and Flood Prevention

The NRCS provides technical and financial assistance to local organizations to plan and install works of improvement for watershed protection, flood prevention, agricultural water management, and other approved purposes. (Watershed Protection and Flood Protection Act, Public Law 83-566)

(2) Floodplain Management Studies

Assistance for cooperative floodplain management studies is provided to local communities or units of government to provide information and large-scale mapping needed in alleviating potential flood dangers. Funding is 80/20. (Public Law 83-566, Section 6)

(3) Emergency Watershed Protection

Emergency watershed protection assistance is provided to reduce hazards to life and property in watersheds damaged by severe natural events. (Section 403-405, Agricultural Credit Act of 1978; Section 216, Flood Control Act of 1950, Public Law 81-576)

(4) Conservation Technical Assistance

In addition to the specific program activities, the NRCS can provide technical assistance to land users in the planning and application of conservation treatments to control erosion and reduce upstream flooding along with other purposes such as sediment reduction. (Public Law 74-46)

Rutherford County Planning Commission: The Rutherford County Planning Commission was established 1962 and consists of a fifteen-member board that is recommended by the County Mayor and appointed by the Rutherford County Commission. The commission promotes orderly growth and development in Rutherford County by maintaining a comprehensive planning program which minimizes land use conflicts, coordinates the provision of public service, and optimizes the quality of life for all county residents.

Rutherford County Zoning Codes: A resolution to regulate in the portions of Rutherford County which lie outside of municipal corporations, the location, height, bulk, number of stories and size of buildings and other structures, the percentage of the lot which may be occupied, the sizes of yards, courts and other open spaces, the density of population, and the use of buildings, structures and land for trade, industry, residence, recreation, agriculture, forestry, soil and water conservation, public activities and other purposes including areas subject to flooding. The first Zoning Resolution was adopted in 1962.

U.S. Army Corps of Engineers (USACE): The Civil Works Program of the Corps encompasses a broad range of resource development activities for navigation, flood control, major drainage, shore and beach restoration and protection, flood protection, related hydroelectric power development, water supply, water quality control, fish and wildlife conservation and enhancement, outdoor recreation, and development, including consideration of environmental impacts of proposals and alternatives.

Tennessee Department of Economic and Community Development: The Tennessee Floodplain Management Coordinator for the National Flood Insurance Program is housed in the TDECD. The Coordinator assists communities with preparation, adoption and administration of floodplain management ordinances or resolutions and integrates floodplain management into comprehensive community planning documents and processes. (Executive Orders, TCA Title 13)

Tennessee Department of Commerce and Insurance (TDCI), State Fire Marshal's Office: The State Fire Marshal's Office investigates and prosecutes arson; enforces fire and building codes (including seismic codes); regulates users of explosives; regulates LP gas facilities; inspects electrical installations; coordinates Public Fire Education campaigns through the dissemination of educational videos and literature and produces and designs "Duck and Cover" and Fire Safety videos for schools and civic groups.

Tennessee Department of Transportation: Primary mitigation responsibility involves strengthening and hardening of roads and bridges as a result of repair or replacement. TDOT maintains an inventory of barricades and high-water signs for use in the event of roadway flooding; personnel monitor streams as flood warnings dictate. TDOT maintains personnel and equipment to clear roadways in the event of blockage from storms, tornadoes, winter storms, and landslides.

All municipalities have a **Board of Mayor and Commissioners** who can enact and enforce zoning, zoning restrictions, and amendments and also budget monies for these purposes.

All unincorporated areas are included in a **Regional Planning Commission** which researches, documents and makes recommendations to the County Commission concerning the passage of regulations that would affect hazard mitigation. Each incorporated jurisdiction within the County has its own Mayor and City Commission to do the same.

All municipalities, except Eagleville, which utilizes the County Building Codes Department, have a **Building and Code Enforcement** representative to inspect and enforce regulations. For the protection of the public health, safety, and welfare in the building environment, Rutherford County has adopted minimum requirements of the 2003 International Building Code (IBC). Murfreesboro, Smyrna, LaVergne, and Eagleville all have adopted the same or similar minimum standards.

B. Goals, Objectives and Strategies

This section provides information on the process used to develop goals and objectives that pertain to the three natural hazards addressed in the mitigation plan. It also describes the framework that focuses the plan on developing successful mitigation strategies. The framework is made up three parts: Mission, Goals, and Objectives.

The mission of the Rutherford County Natural Hazard Mitigation Plan is to promote sound public policy designed to protect citizens, critical facilities, infrastructure, private property, and the environment from natural hazards. This can be achieved by increasing public awareness, identifying activities to guide the county and the municipalities towards building safer, more sustainable communities.

The plan goals describe the overall direction that Rutherford County agencies, organizations, and citizens can take to minimize the impacts of natural hazards. The goals are stepping-stones between the broad direction of the mission statement and the specific objectives that are outlined in the action items.

Objectives are developed as a means of realizing the county's hazard mitigation goals. Objectives are more specific and tangible than goals. Rather than being long-term and general, objectives should be achievable in a definite period of time. Under each objective are actions that are specific activities or services that will be performed in order to accomplish or support the Objective.

1. Mitigation Plan Goals, Objectives and Actions

Public input during development of the mitigation plan assisted in creating the goals. Meetings with the Hazard Mitigation Planning Committee and stakeholder interviews served as methods to obtain input and identify priorities in developing goals for reducing risk and preventing loss from natural hazards in Rutherford County. The goals listed were determined to be those that would have the greatest benefit in hazard reduction to the County. These goals were prioritized based on greatest societal benefit, followed by prioritization of objectives under these goals, followed by prioritization of actions under these objectives. The actions we have identified are prioritized with respect to the frequency of the hazard, societal support for the action, technical feasibility, and with respect to the cost/benefit review process.

All of the actions listed in the plan are on-going (continuous) projects in nature, thus none have been deleted or entirely completed since the original development of the Rutherford County Hazard Mitigation Plan. All actions in the past 5 years have had progress therefore, no actions have been stagnate (deferred).

Goal #1 – Protect public health, safety and welfare by increasing the public awareness of existing hazards and by fostering both individual and public responsibility in mitigating risks due to those hazards. Existing hazards identified in this plan (flood, tornado, severe storms, severe winter storms) prioritized by benefit, but also by frequency of occurrence in jurisdictions listed herein.

Objective 1.1 – Increase public awareness of natural hazards that can and do affect Rutherford County, especially in the high hazard areas

Action 1.1.1 – Continue to publish articles in the local newspaper to increase public awareness of the risks associated with natural hazards that are prevalent to our County.

Action 1.1.2 – Continue to participate in awareness campaigns such as, Severe Weather Awareness Week

Action 1.1.3 – Encourage businesses and private property owners to adopt appropriate mitigation actions to existing and new construction

Action 1.1.4 – Educate property owners on the affordable, individual mitigation and preparedness measures that can be done to existing and new construction before the next hazard event

Action 1.1.5 – Provide information on tools, partnership opportunities, and funding resources to assist in implementing mitigation activities

Timeframe: On-going

Funding: Emergency Management Agency Budget

Implement and Administer: Hazard Mitigation Committee

New or Existing Buildings/Infra Addressed: Both

Hazard Mitigated: Flooding, Tornado/Severe Storms, Severe Winter Storms

Jurisdictions Benefitted & Represented: All

Goal #2 – Reduce loss of life and property from future flooding events in Rutherford County.

Objective 2.1 – Protect, raise, relocate and/or acquisition structures in the flood hazard areas of the County

Objective 2.2 – Reduce flooding along natural creeks and storm-water drainage systems.

Action 2.3 – Monitor and eliminate miscellaneous flooding in Rutherford County, Murfreesboro, Smyrna, LaVergne, and Eagleville caused by old construction practices by utilizing existing public works entities that exist..

Timeframe: continuous based on annual funding

Funding: Various government agencies, Rutherford County Commission, Murfreesboro City commission, Smyrna Town Commission, LaVergne City Commission , and the City of Eagleville budgets.

Implement and Administer: Rutherford County Public Works, Murfreesboro Public Works, Smyrna Public Works, LaVergne Public Works, and the Eagleville Maintenance department.

New or Existing Buildings/Infra Addressed: Existing

Hazard Mitigated: Flooding
Jurisdictions Benefitted & Represented: All

Objective 2.4 – Encourage and increase participation with the National Flood Insurance Program.

Action 2.4.1 – Ensure County and Municipalities understand they must remain in good standing with the NFIP to be eligible for any mitigation funding and for citizens to be able to obtain flood insurance

Timeframe: On-going
Funding: n/a
Implement and Administer: Emergency Management Agency
New or Existing Buildings/Infra Addressed: Both
Hazard Mitigated: All, with focus on Flooding
Jurisdictions Benefitted & Represented: All

Action 2.4.2 – Ensure that citizens are aware that Flood Insurance is available to all residents in Rutherford County through their local insurance company

Timeframe: On-going
Funding: n/a
Implement and Administer: EMA/Local Insurance Companies/ City of Murfreesboro/Town of Smyrna/City of LaVergne/City of Eagleville
New or Existing Buildings/Infra Addressed: Existing
Hazard Mitigated: Flooding
Jurisdictions Benefitted & Represented: All

Goal #3 – Reduce the repeated flooding of the transportation infrastructures in the County.

Objective 3.1 – To address the concerns of our transportation infrastructure there will need to be an assessment of the major/most traveled routes in the County.

Action 3.1.1 – Identify the roads and bridges that need to be initially addressed for improvements or replacements.

Action 3.1.2 – Conduct traffic counts on the major roads and bridges prioritize those routes and bridges according to the Average Daily Traffic (ADT).

Action 3.1.3 – Analyze the watershed and see what types of flows we are getting in the area of the flooding.

Action 3.1.4 – Develop alternative designs for the site, which could simply be raising the existing roadbed elevations or cleaning out the downstream creek.

Action 3.1.5 – Develop alternative designs for bridge sites, which could be cleaning out the downstream creek, improving or replacing a structure

Action 3.1.6 – On structures in flood prone areas, determine horizontal location of the structure and the vertical elevation.

Action 3.1.7 – Once the potential structures are identified, a hydrological study will be conducted on the tributary that the structure crosses.

Timeframe: Ongoing

Funding: HMGP/TDOT/Rutherford County Commission

Implement and Administer: Rutherford County Public Works

New or Existing Buildings/Infra Addressed: Existing

Hazard Mitigated: Flooding

Jurisdictions Benefitted & Represented: All

Goal #4 - Continue to improve the County's capability to identify areas needing future mitigation

Timeframe: On-going

Funding: General Fund

Implement and Administer: County GIS and Engineering

New or Existing Buildings/Infra Addressed: Existing

Hazard Mitigated: All

Jurisdictions Benefitted & Represented: All

Goal #5 – Minimize losses to existing and future structures within hazard areas.

Objective 5.1 – Continue to enforce the International Building Codes.

Action 5.1.1 – Require that new structures or structures undergoing significant renovation meet code requirements.

Action 5.1.2 – Require ground anchors to be installed at each mobile home space in mobile home parks to permit tie-downs of mobile homes.

Timeframe: On-going

Funding: General Fund of County/Municipalities

Implement and Administer: County/Municipalities Codes Enforcement and Building Inspecting Departments

New or Existing Buildings/Infra Addressed: New

Hazard Mitigated: All

Jurisdictions Benefitted & Represented: All

Objective 5.2 – Reduce the impact on built structures from trees during a natural hazard event.

Action 5.2.1 – Monitor trees and branches in public areas that are at risk of breaking or falling in wind, ice, and snow storms. Prune or thin trees or branches when they pose an immediate threat to property, utility lines or other significant structures or critical facilities in the County and Municipalities

Timeframe: On-going

Funding: General Fund of County/Municipalities

Implement and Administer: Rutherford County Public Works/ Public Works Departments of each Municipality

New or Existing Buildings/Infra Addressed: Existing

Hazard Mitigated: All

Jurisdictions Benefitted & Represented: All

Goal #6 – To reduce loss of life and property from future tornado events in Rutherford County.

Objective 6.1 – Protect the citizens from tornados by disseminating appropriate warnings to the public in a timely manner.

Action 6.1.1 – Encourage each municipality to provide funding for the purchase of or upgrade of a warning system for their citizens.

Timeframe: On-going

Funding: General Fund of Municipalities/Community Development Block Grant

Implement and Administer: EMA/Municipalities

New or Existing Buildings/Infra Addressed: Existing

Hazard Mitigated: Tornado/Severe Storms

Jurisdictions Benefitted & Represented: All

Action 6.1.2 – Encourage the purchase of a Weather Radio for each household in the County.

Timeframe: On-going

Funding: Individuals/General Fund of the County and Municipalities/Community Development Block Grant

Implement and Administer: EMA/Municipalities

New or Existing Buildings/Infra Addressed: n/a

Hazard Mitigated: All

Jurisdictions Benefitted & Represented: All

Action 6.1.3 – Support the Emergency Alert System as necessary.

Timeframe: On-going

Funding: EMA

Implement and Administer: EMA

New or Existing Buildings/Infra Addressed: n/a

Hazard Mitigated: All

Jurisdictions Benefitted & Represented: All

Objective 6.2 – Encourage citizens to protect themselves, their families and neighbors from the damaging winds of a tornado.

Action 6.2.1 – Encourage the development of local Safe Room construction programs

Action 6.2.2 – Identify guidelines and plans as necessary to assist citizens in creating safe areas in residents

Action 6.2.3 – In accordance with the International Building Codes, continue to enforce the resolution that ground anchors shall be installed at each mobile home space to permit tie-downs of mobile homes.

Action 6.2.4 – Recommend to the Planning Commission an amendment to the Rutherford County Zoning Resolution that would require new mobile home parks to provide in ground storm shelters at thirty-six (36) square feet per mobile home space and encourage the construction of in ground storm shelters at existing mobile home parks

Timeframe: On-going

Funding: EMA/General Fund of the County and Municipalities

Implement and Administer: Hazard Mitigation Committee/County and Municipalities Code and Building Enforcement Offices.

New or Existing Buildings/Infra Addressed: Both

Hazard Mitigated: Tornado/Severe Storms

Jurisdictions Benefitted & Represented: All

Action 6.2.5 - Encourage retrofitting new school construction to include tornado safe sheltering areas.

Timeframe: On-going

Funding: Rutherford County School Board Budget/City Schools Budget

Implement and Administer: County and Municipalities Code and Building Enforcement Offices.

New or Existing Buildings/Infra Addressed: New

Hazard Mitigated: Tornado/Severe Storms

Jurisdictions Benefitted & Represented: All

C. Implementation of Mitigation Measures

1. Process

The Rutherford County Hazard Mitigation Plan will be implemented through the delegation of assignments by the County Mayor and the Mayor of each Municipality, and as specified within this plan. In this section our goals, objectives and actions are listed and assigned specific implementation measures which include the assignment of responsibilities to County/City departments and/or specific County/City staff, along with the establishment of a target completion date for each proposed mitigation action. When applicable, potential funding sources are also listed.

Mitigation activities are prioritized due to severity and/or frequency of occurrence of the hazard.

Determining which projects should be submitted for funding will be based on a FEMA approved cost/benefit method. In addition to a positive cost/benefit ratio projects will be prioritized and selected for implementation based on community goals, planning objectives, funding availability, environmental concerns and public support.

2. Funding Sources

Although all mitigation techniques will likely save money by avoiding losses, many projects are costly to implement. Rutherford County will continue to seek outside funding assistance for mitigation projects in both the pre- and post-disaster environment. This portion of the Plan identifies some grant programs for Rutherford County to consider, and also briefly discusses local and non-governmental funding sources.

Title: Pre-Disaster Mitigation Program
Agency: Federal Emergency Management Agency

Through the Disaster Mitigation Act of 2000, Congress approved the creation of a national program to provide a funding mechanism that is not dependent on a Presidential disaster declaration. The Pre-Disaster Mitigation (PMD) Program provides funding to states and communities for cost-effective hazard mitigation activities that complement a comprehensive mitigation program, and reduce injuries, loss of life, and damage and destruction of property.

The funding is based upon a 75 percent Federal share, 25 percent non-Federal share. The non-Federal match can be fully in-kind or cash, or a combination. Special accommodations will be made for "small and impoverished communities", who will be eligible for 90 percent Federal share, 10 percent non-Federal.

FEMA provides PDM grants to states that, in turn, can provide sub-grants to local governments for accomplishing the following eligible mitigation activities.

- State and local hazard mitigation planning
- Technical assistance [e.g. risk assessments, project development]
- Mitigation Projects
- Acquisition or relocation of vulnerable properties

Hazard retrofits
Minor structural hazard control or protection projects
Community outreach and education [up to 10% of State allocation]

Title: Flood Mitigation Assistance Program Emergency Management Agency	Agency: Federal
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FEMA's Flood Mitigation Assistance (FMA) program provides funding to assist states and communities in implementing measures to reduce or eliminate the long-term risk of flood damage to buildings, manufactured home, and other structures insurable under the National Flood Insurance Program (NFIP). FMA was created as part of the National Flood Insurance Reform Act of 1994 (42 U.S.C. 4101) with the goal of reducing or eliminating claims under the NFIP.

FMA is a pre-disaster grant program, and is made available to states on an annual basis. This funding is available for mitigation planning and implementation of mitigation measures only, and is based upon 75 percent Federal share, 25 percent non-Federal share. States administer the FMA program and are responsible for selecting projects for funding from the applications to FEMA for an eligibility determination. Although individuals cannot apply directly for FMA funds, their local government may submit an application on their behalf.

Title: Hazard Mitigation Grant Program Agency: Federal Emergency Management Agency

The Hazard Mitigation Grant Program (HMGP) was created in November 1988 through Section 404 of the Robert T. Stafford Disaster Relief and Emergency Assistance Act. The HMPG assists states and local communities in implementing long-term mitigation measures following a Presidential disaster declaration.

To meet these objectives, FEMA can fund up to 75 percent of the eligible costs of each project. The state or local cost-share match does not need to be cash; in-kind services or materials may also be used. With the passage the Hazard Mitigation and Relocation Assistance Act of 1993, federal funding under HMGP is now based on 15 percent of the federal funds spent on the Public and Individual Assistance programs (minus administrative expenses) for each disaster.

The HMPG can be used to fund projects to protect either public or private property, so long as the projects in question fit within the state and local government's overall mitigation strategy for the disaster area, and comply with program guidelines. Examples of projects that may be funded include the acquisition or relocation of structures from hazard-prone areas, the retrofitting of existing structures to protect them from future damages; and the development of state or local standards designed to protect buildings from future damages.

Eligibility for funding under the HMGP is limited to state and local governments, certain private nonprofit organizations or institutions that serve a public function, Indian tribes and authorized tribal organizations. These organizations must apply for HMGP project funding on behalf of their citizens. In turn, applicants must work through their state, since the state is responsible for setting priorities for funding and administering the program.

Title: Public Assistance (Infrastructure) Program, Section 40
Agency: Federal Emergency Management Agency

FEMA's Public Assistance Program, through Section 406 of the Robert T. Stafford Disaster Relief and Emergency Assistance act, provides funding to local governments following a Presidential disaster declaration for mitigation measures in conjunction with the repair of damaged public facilities and infrastructure. The mitigation measures must be related to eligible disaster-related damages and must directly reduce the potential of future, similar disaster damages to the eligible facility. These opportunities usually present themselves during the repair/replacement efforts.

Proposed projects must be approved by FEMA prior to funding. They will be evaluated for cost effectiveness, technical feasibility, and compliance with statutory, regulatory and executive order requirements. In addition, the evaluation must ensure that the mitigation measures do not negatively impact a facility's operations or risk from another hazard.

Public facilities are operated by state and local governments, Indian tribes or authorized tribal organizations and include:

- Roads, bridges and culverts
- Draining and irrigation channels
- Schools, city halls and other buildings
- Water, power and sanitary systems
- Airports and parks

Private nonprofit organizations are groups that own or operate facilities that provide services otherwise performed by a government agency and include, but are not limited to the following:

- Universities and other schools
- Hospitals and clinics
- Volunteer fire and ambulance
- Power cooperatives and other utilities
- Custodial care and retirement facilities
- Museums and community centers

Title: Unmet Needs Program
Agency: Federal Emergency Management Agency

Unmet Needs is a Federal grant program provided by the Emergency Supplemental Appropriations Act. Funded periodically by an allocation from Congress, Unmet Needs is provided through the Federal Emergency Management Agency (FEMA), yet is managed at the State level. The program provides flexible grants to help cities, counties, and States recover from specific Presidential disasters declared under Title IV of the Robert T. Stafford Disaster Relief and Emergency Assistance Act, as amended.

Un-met Needs funds are intended to fund cost-effective measures under the categories of mitigation, buyout assistance, disaster relief, and long-term recovery directly related to specific disasters where the needs are unable to be met through other federal grants programs. The number and amount of needs remaining after a specific year's disasters determine Unmet Needs funding.

Title: Small Business Administration Disaster Assistance Program
Agency: U.S. Small Business Administration

This program provides loans to businesses affected by Presidentially-declared disasters. The program provides direct loans to businesses to repair or replace uninsured disaster damages to property owned by the business, including real estate, machinery and equipment, inventory and supplies. Businesses of any size are eligible. Nonprofit organizations are also eligible. SBA loans can be utilized by their recipients to incorporate mitigation techniques into the repair and restoration of their business.

The Small Business Administration administers the Disaster Assistance Program.

Title: Community Development Block Grants
Agency: U.S. Department of Housing and Urban Development

The Community Development Block Grant (CDBG) program provides grants to local governments for community and economic development projects that primarily benefit low- and moderate-income people. The CDBG program also provides grants to entitlement communities (metropolitan cities and urban counties) for post-disaster hazard mitigation and recovery following a Presidential disaster declaration. Funds can be used for activities such as acquisition, rehabilitation or reconstruction of damaged properties and facilities and redevelopment of disaster-affected areas. Funds may also be used for emergency response activities, such as debris clearance and demolition and extraordinary increases in the level of necessary public services.

The U.S. Department of Housing and Urban Development (HUD) provides funds for the CDBG program and the Division of Community Assistance administers the program in each state.

LOCAL GOVERNMENT

Local governments depend upon local property taxes as their primary source of revenue. These taxes are typically used to finance services that must be available and delivered on a routine and regular basis to the general public. If local budgets allow, these funds are used to match Federal or State grant programs when required for large-scale projects.

NON-GOVERNMENTAL

Another potential source of revenue for implementing local mitigation projects are monetary contributions from non-governmental organizations, such as private sector companies, churches, charities, community relief funds, the Red Cross, hospitals and other non-profit organizations.

V. MAINTENANCE PROCESS

A. Monitor, Evaluate, and Update

The Hazard Mitigation Committee will meet annually to monitor, evaluate and/or amend the plan. At this meeting the Committee will consider the following points.

- Review and evaluate the goals and objectives
- Determine if the nature or magnitude of risk has changed
- Evaluate whether the current resources are adequate for implementing the plan
- Review completed mitigation work
- Look for available funding sources for future projects
- Request and document public participation in the plan review

In addition, the plan will be updated as appropriate when a disaster occurs that significantly affects Rutherford County or one of its municipalities whether or not it receives a Presidential Declaration. A special meeting should be held within a month following each disaster event to determine if any changes are needed in the plan.

The plan should be updated every five years after the adoption date. In the event of any substantial changes in land use planning or regulations that would impact the recommended mitigation projects, more frequent updates should be considered. The Hazard Mitigation Committee in partnership with the local planning departments and emergency management will be responsible for overseeing the update of the hazard mitigation plan. The update process will be similar to the one used to develop the original plan and will incorporate opportunities for public involvement. The update process will begin approximately a year before the plan's expiration date.

B. Public Participation

Meetings will be advertised to encourage public attendance and input. Any actions taken at this meeting will be submitted in writing to all interested parties, including, but not limited to, the County Mayor, Municipality Mayors/Managers, the TEMA regional office and active members of the committee.

Subsequent evaluations and updating of the plan within the five year cycle will involve public ads in the local newspaper. Copies of the plan will be made available at the Rutherford County Courthouse, Murfreesboro City Hall, Smyrna Town Hall, LaVergne City Hall, Eagleville City Hall, Rutherford County Chamber of Commerce, and the Rutherford County Library.

C. Incorporation

Rutherford County, Murfreesboro, Smyrna, and LaVergne currently utilize comprehensive land use planning and building codes to provide guidance for development in the County and Municipalities. After the official adoption of the Hazard Mitigation Plan, these existing mechanisms will have hazard mitigation strategies integrated into them.

Specifically, three of the goals in the Hazard Mitigation Plan direct County and Municipalities to reduce loss of life and property from natural hazard events. The County Planning Department, Murfreesboro City commission, Town of Smyrna Planning Commission, Eagleville City Commission, and the LaVergne City Commission will conduct periodic reviews of the respective comprehensive plans and land use policies, analyze any plan amendments, and provide technical assistance to the municipalities in implementing these requirements.

The Building and Codes Enforcement office for Rutherford County, Murfreesboro, Smyrna, and LaVergne have adopted the 2006 version of the International Building Code or equivalent and are responsible for administering those building codes in their respective jurisdictions. Eagleville utilizes the County Codes office for their regulations and enforcement. After the County and each municipality adopts the Hazard Mitigation Plan, they will work with the State Building Code Enforcement office to make sure they have adopted, and are enforcing, the minimum standards established by the State. This is to ensure that life/safety criteria for these and other hazards are met for new construction within the County.

The capital improvement planning that occurs in the future will also contribute to the goals in the Hazard Mitigation Plan. The Planning Commission for all the jurisdictions involved will work with capital improvement planners to secure high-hazard areas for low risk uses.

As of the 2016 update, the local governments have incorporated mitigation aspects into the Rutherford County, Murfreesboro, Smyrna, and La Verge comprehensive land use plans and building codes. This has largely been done through placing floodplain management and flood mitigation approaches into these plans and codes.

VI. PLAN ADOPTION

All municipalities and Rutherford County proper are participating in this plan. The revised plan will be submitted for adoption by Rutherford County, City of Murfreesboro, Town of Smyrna, City of LaVergne, and the City of Eagleville. The adoptions of the revised plan will be signed by each Mayor and inserted into the contents of the Plan in Appendix 7. Upon final review by the Hazard Mitigation Plan Committee, the plan will be submitted to the Tennessee Emergency Management Agency (TEMA) in accordance with Section 322 of the Stafford Act and 44 Code of Federal Regulations Section 206 the plan will be submitted to FEMA for final approval.

VII. APPENDICES

1. Plan Participation
2. Public Involvement
3. Flood Zone Maps
4. Storm Events
5. Critical Facilities
6. Other Maps
7. Resolutions

APPENDIX 1

Plan Participation

Original Adoptions of the Plan

RESOLUTION TO ADOPT THE

RUTHERFORD COUNTY HAZARD MITIGATION PLAN

WHEREAS, Rutherford County recognizes the threat that natural hazards pose to people and property; and

WHEREAS, undertaking hazard mitigation actions before disasters occur will reduce the potential for harm to people and property and save taxpayer dollars; and

WHEREAS, an adopted hazard mitigation plan is required as a condition of future grant funding for mitigation projects; and

WHEREAS, Rutherford County prepared the Hazard Mitigation Plan and incorporated comments of the other local units of government within the County to prepare the Hazard Mitigation Plan.

NOW, THEREFORE, BE IT RESOLVED by the Rutherford County Board of Commissioners that Rutherford County hereby adopts the Rutherford County Hazard Mitigation Plan as an official plan; and

BE IT FURTHER RESOLVED that the Rutherford County Emergency Management Agency will submit on behalf of the participating municipalities the adopted Hazard Mitigation Plan to the Federal Emergency Management Agency officials for final review and approval.

RESOLVED this 14th day of April, 2005.

RUTHERFORD COUNTY, TENNESSEE

ATTEST:

Georgia Lynch
GEORGIA LYNCH, County Clerk

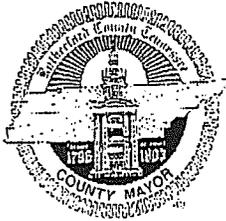
BY: *Nancy B. Allen*
NANCY R. ALLEN, Chairman



State of Tennessee, County of Rutherford
The undersigned County Clerk of said County and State, hereby certifies that the foregoing is a true and correct copy of the original document filed in the Office of the County Clerk.
This 15 day of April, 2005
Georgia Lynch, Rutherford County Clerk
BY: *[Signature]*
Deputy Clerk

Neil

NANCY R. ALLEN
COUNTY MAYOR



RUTHERFORD COUNTY
TENNESSEE

Complete the following information and return to the County Engineer by March 11, 2005.

CITY OF MURFREESBORO

- Yes, include the City of Murfreesboro in the Rutherford County Hazard Mitigation Plan.
- No, do not include the City of Murfreesboro in the Rutherford County Hazard Mitigation Plan.

Tommy Bragg, Mayor
Tommy Bragg
Mayor, City of Murfreesboro

If the City of Murfreesboro is going to participate in the Rutherford County Hazard Mitigation Plan, please give the names(s) of your representative.

David Hudgens, Captain
Name

Alan Swader, Asst. Chief
Name

Murfreesboro Police Dept.

Murfreesboro Fire Dept.

302 S. Church St.
Address

220 NW Broad St.
Address

615-849-2670
Phone

615-893-1722
Phone

dhudgens@ci.murfreesboro.tn.us

aswader@ci.murfreesboro.tn.us

Mail to: Rutherford County Engineer
1 South Public Square, Suite 200
Murfreesboro, TN Murfreesboro, TN 37130

NANCY R. ALLEN
COUNTY MAYOR

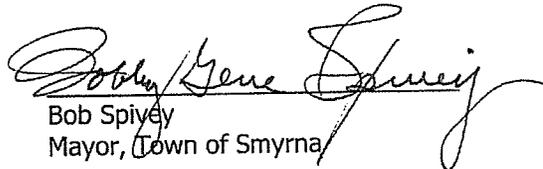


RUTHERFORD COUNTY
TENNESSEE

Complete the following information and return to the County Engineer by March 11, 2005.

TOWN OF SMYRNA

- Yes, include the Town of Smyrna in the Rutherford County Hazard Mitigation Plan.
- No, do not include the Town of Smyrna in the Rutherford County Hazard Mitigation Plan.


Bob Spivey
Mayor, Town of Smyrna

If the Town of Smyrna is going to participate in the Rutherford County Hazard Mitigation Plan, please give the names(s) of your representative.

Chuck Boyett
Name

Name

SMYRNA, TN 37167

315 S. LOWRY ST
Address

Address

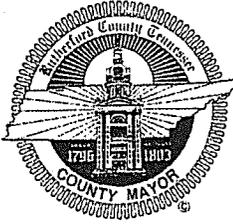
Phone

Phone

Mail to: Rutherford County Engineer
1 South Public Square, Suite 200
Murfreesboro, TN 37130



NANCY R. ALLEN
COUNTY MAYOR



RUTHERFORD COUNTY
TENNESSEE

Complete the following information and return to the County Engineer by March 11, 2005.

CITY OF LAVERGNE



Yes, include the City of LaVergne in the Rutherford County Hazard Mitigation Plan.



No, do not include the City of LaVergne in the Rutherford County Hazard Mitigation Plan.

Sherry Green

Sherry Green
Mayor, City of LaVergne

If the City of LaVergne is going to participate in the Rutherford County Hazard Mitigation Plan, please give the names(s) of your representative.

Senna Mosley
Name

149 Greenwood DRIVE
LAVERGNE, TENN 37086
Address

793-2469
Phone

RICHARD McCORMICK / Robert Lumbrough
Name

396 FOREST RIDGE DR. / 503 DAVID SWAY
LaVergne, 37086 / LAVERGNE, TENN
Address 37086

615-416-4594 / 615-793-6223
Phone

Mail to: Rutherford County Engineer
1 South Public Square, Suite 200
Murfreesboro, TN 37130

NANCY R. ALLEN
COUNTY MAYOR



RUTHERFORD COUNTY
TENNESSEE

Complete the following information and return to the County Engineer by March 11, 2005.

CITY OF EAGLEVILLE

- Yes, include the City of Eagleville in the Rutherford County Hazard Mitigation Plan.
- No, do not include the City of Eagleville in the Rutherford County Hazard Mitigation Plan.


Nolan Barham
Mayor, City of Eagleville

If the City of Eagleville is going to participate in the Rutherford County Hazard Mitigation Plan, please give the names(s) of your representative.

<u>Chief Everett Stone</u> Name	→	<u>Mayor Nolan Barham</u> Name
<u>P.O. Box 68</u> Address	→	_____
<u>Eagleville, TN 37060</u> Address	→	_____
<u>(615) 274-6992</u> Phone	→	_____

Mail to: Rutherford County Engineer
1 South Public Square, Suite 200
Murfreesboro, TN 37130

APPENDIX 2

Public Involvement

Section 201.6.b.1 of 44CFR requires that the public have opportunities to comment on disaster mitigation plans. Participation and input from citizens of all jurisdictions, businesses, and all interested parties both public and private is encouraged. Concerning the 2016 review and update of the current plan, the Murfreesboro Post was utilized to announce public hearings and promote involvement of this nature.

Legal Notice in the Murfreesboro Post on August 4th 2015 announcing the Public Hearings on August 21, 2015.

20

www.murfreesboropost.com | August 4, 2015

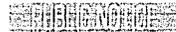
CLASSIFIEDS



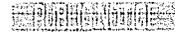
continued from p19

of the dates prescribed in (1) or (2), otherwise claims will be forever barred. (1) (A) Four (4) months from the date of the first publication (or posting), as the case may be) of this Notice if the creditor received an actual copy of the Notice to Creditors at least sixty (60) days before the date of the date that is four (4) months from the date of the first publication (or posting); or (B) Sixty (60) days from the date of the creditor received an actual copy of the Notice to Creditors, if the creditor received the copy of the Notice less than sixty (60) days prior to the date that is four (4) months from the date of the first publication (or posting) as described in (1)(A); or (2) Twelve (12) months from the decedent's date of death. This 21 day of July, 2015. Signed at Grassie G. White Executor. Estate of Ralph L. White, Deceased Attorney: Sandra Y. Tral Lisa Crowell County Clerk By: Lisa Crowell Administrative Supervisor To be run 8/3/2015 and 8/10/2015.

NOTICE TO CREDITORS

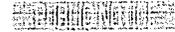


Estate of Helen Ruth Hawkins, Deceased Nelson is hereby given that on the 22 day of July, 2015, Letters Testamentary in respect of the estate of Helen Ruth Hawkins, deceased, who died June 16, 2015, were issued to the undersigned by the Probate Court of Rutherford County, Tennessee. All persons, resident and non-resident, having claims, matured or unmatured against the estate are required to file the same with the Clerk of the above named Court on or before the date of the dates prescribed in (1) or (2), otherwise claims will be forever barred. (1) (A) Four (4) months from the date of the first publication (or posting), as the case may be) of this Notice if the creditor received an actual copy of the Notice to Creditors at least sixty (60) days before the date of the date that is four (4) months from the date of the first publication (or posting); or (B) Sixty (60) days from the date of the creditor received an actual copy of the Notice to Creditors, if the creditor received the copy of the Notice less than sixty (60) days prior to the date that is four (4) months from the date of the first publication (or posting) as described in (1)(A); or (2) Twelve (12) months from the decedent's date of death.

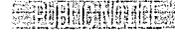


This 22 day of July, 2015. Signed at David Walters Executor. Estate of Helen Ruth Hawkins, Deceased Attorney: Robert O. Bragdon Lisa Crowell County Clerk By: Rick Spence Deputy Clerk To be run 8/3/2015 and 8/10/2015.

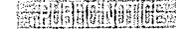
NOTICE OF TRUSTEES SALE
WHEREAS, default has occurred in the performance of the covenants, terms and conditions of a certain Deed of Trust dated November 13, 2007, securing the same, recorded November 21, 2007 at Record Book 600, page 2511 in the Register's Office of Rutherford County, Tennessee, conveying certain property therein described to Rutherford County Habitat for Humanity, Inc. (also known as Rutherford County Area Habitat for Humanity, Inc.) NOW, THEREFORE, notice is hereby given that the entire indebtedness has been declared due and payable; and that the undersigned, Mark S. Hazzard, Substituted Trustee by virtue of the power,



duty and authority vested in and imposed upon said Trustee will, on the 25th day of August, 2015, on or about 10:00 a.m., at the Rutherford County Courthouse in Murfreesboro, Tennessee, offer for sale certain property hereinafter described to the highest bidder for CASH, free from the statutory right of redemption, homestead, dower and all other exemptions which are expressly waived in the Deed of Trust, said property being real estate situated in Rutherford County, Tennessee, and being more particularly described as follows: Being Lot Number 1 of the Jenkins Subdivision according as shown on plat and survey of same of record in Plat Book 20, Page 138 of the Register's Office of Rutherford County, Tennessee, BEING the same property conveyed to Brandy Gallard by deed dated November 13, 2007, which appears of record in Record Book 60, Page 2403, of the Register's Office of Rutherford County, Tennessee. THIS conveyance is subject to restrictive covenants of record in Deed Book 646, Page 146, and the matters shown on the subdivision plat of record in Plat Book 20, Page 138, including a 40-foot minimum building setback line from



Erin Springs Road and from Jenkins Court, and a 10-foot slope and drainage easement along the northeast line. This foreclosure is subject to the Deed of Trust of record in Record Book 600 Page 2495 to Rutherford County Habitat for Humanity, Inc. This property is also known as 801 Jenkins Court, Murfreesboro, Tennessee, 37167. The HB 3586 letter was mailed to the borrower(s) pursuant to Tennessee Code, Annotated 35-5-117. This sale is subject to all matters shown in the Register of Deeds Office of Rutherford County, Tennessee; any unpaid taxes; any restrictive covenants, easements, leases, any statutory rights of redemption of any governmental agency, state or federal, any prior liens or encumbrances, easements, as well as any priority created by a future filing; and to any matter that an accurate survey of the premises might disclose. Other interested parties: Rutherford County Area Habitat for Humanity, Inc. Other interested parties: Bruce Bottom, Trustee, Tennessee Housing Development Agency, Housing Finance Corporation. To the best of the Trustee's knowledge, information and belief, there are no other



Federal or State tax lien claims or other claims upon the subject property which would require notice pursuant to the terms and provisions of T.C.A. 535-6-104 or T.C.A. 67-1-1433 or 26 U.S.C. 54425. This sale shall pursuant to the Notice may be rescinded at the Trustee's option at any time. The right is reserved to adjourn the day of the sale to another day, time, and place certain without further publication, upon announcement at the time and place for the sale set forth above. The undersigned will call and convey only as Trustee. The Property is sold as is, where is, without representations or warranties of any kind, including fitness for a particular use or purpose. DATED July 29, 2015. Rutherford County Habitat for Humanity, Inc., a.k.a. Rutherford County Area Habitat for Humanity, Inc. Terri Shultz, Executive Director ATWOOD & MOORE ATTORNEYS 144 Uplawn Square Murfreesboro, TN 37129 (615) 895-2421 To be run: Murfreesboro Post, Classified Ad, 8/2/15, 8/10/15, and 8/17/15.

AUCTION
Sat., August 8, 2015 at 8:30 AM
Furrer Bros. Self Storage
Murfreesboro, TN 37129
2129 Merryway Blvd.
Murfreesboro, TN 37189
615-897-7433 and
CHF Properties
1122 Hinkley Ave.
Murfreesboro, TN 37129
615-893-8800

Harcik, Sarah	.....141
Hutler, Beverly	.....131
Cole, Azarea	.....36
Davis, Maxwell	.....192
Chilman, Matthew	.....116
Girton, Angela	.....1119
Lewis, Pamela	.....140
Mayer, Kenneth	.....123
Perez, Agueda	.....228
Hankins, Trevon	.....128
Hing, Amanda	.....01
Hobinson, Christine	.....130
Stett, Savannah	.....05
Sissem, Heather	.....02
Watson, Narvin	.....113
Weaver, Alvin	.....122
Mylroan Culinary	.....A1

Unit contents are being sold to satisfy Owner's Lien. Units being sold are subject to change.

White's Towing will sell the following vehicles on 08/14/2015 to cover the cost of Towing and Storage: 2003 VW Jetta VIN: 3WVSE69M12M012444 1989 Dodge RAM VIN: 1D4GE977KM950882 1996 GMC Jimmy VIN: 1GKCSUJW2T1513003

ADOPT Loving couple promises your baby a secure home. Denise & Nick 1-888-449-0803

US National Auto
901 Dashiell St.
Murfreesboro, TN 37129
August 17, 2015 at 10 AM
2014 Nissan 370Z VIN# JN1AZ4EH8EM614632

MURFREESBORO AIRPORT TERMINAL DESIGN TEAM
The Murfreesboro Airport Terminal Design Team will be meeting on Monday, August 10, 2015 at 4:30 pm at the Murfreesboro Municipal Airport, Terminal/Administration Building, 1930 Memorial Boulevard, Murfreesboro, Tennessee 37129.

PUBLIC NOTICE TRANSMISSIONS INC.
The following vehicles will be up for auction on Tues, August 18, 2015 at 8:00 am at Transmissions, Inc 598 S. Lowry St. Smyrna, TN (615) 459-5504 1996 BMW VIN: WBAUG2321TE130814

To whom it may concern the below listed vehicles will be sold to the highest bidder on or after August 4, 2015 at 12pm. Anyone with any interest in any of these vehicles must contact Robinson Towing at 615-907-1869 prior to date of sale.
1963 Dodge Polara VIN# 6337126615
1992 Buick LeSabre VIN# 1G01G15313N11473106

Gas Meter Reader Murfreesboro Area
Full Time & Benefits Apply Via Fax or Email
Details - <http://bit.ly/MeterReader>
(813) 023-6018 aboyte@hmc.com

Drivers-Company & OIG's
Get Home More-Spend Time w/ Family & Friends! Dedicated Lane! Pay and Benefits YOU Deserve!
855-582-2265

Driver's: Quality Home time!
Earn over \$1250+ per wk. + Monthly Bonus! Excellent Benefits. No-Touch! CDL-A 1yr exp. 855-454-0392

HAZARD MITIGATION PLAN UP FOR PUBLIC REVIEW
NOTICE OF PUBLIC HEARING
In accordance with the Disaster Mitigation Act of 2000, the Rutherford County Hazard Mitigation Planning Committee will hold a public meeting at the Rutherford County Emergency Management Agency, 1220 West College Street in Murfreesboro, on Friday August 21st at 5:00pm to accept public comment to be used in updating the Rutherford County Hazard Mitigation Plan.
In accordance with ADA (Americans with Disabilities Act), any disabled persons requiring accommodations for participation in the meeting should contact the Emergency Management Agency at (615) 890-7764 at least two working days prior to the meeting in order that appropriate accommodations can be made.

the post
Main Street Media of Tennessee is looking for an Advertising Accounting Executive for the Murfreesboro Post.
The Post is the most widely distributed local newspaper in Rutherford County. The Post focuses exclusively on local news, local sports and local people. The newspaper has a companion website, murfreesboropost.com, and frequently breaks news on social media.
The right candidate will be a professional who is aggressive, a hard worker and someone who wants to help local businesses grow.
Experience is preferred but we will train the right person.
Hours are generally 9-5 Monday through Friday but we serve at the pleasure of our customers, meaning time may be required before and after work and on weekends.



Affidavit of Publication

Cost of Publication
\$ 40.00

Proof of Publication

**HAZARD MITIGATION PLAN UP FOR PUBLIC REVIEW
NOTICE OF PUBLIC HEARING**
In accordance with the Disaster Mitigation Act of 2000, the Rutherford County Hazard Mitigation Planning Committee will hold a public meeting at the Rutherford County Emergency Management Agency, 1220 West College Street in Murfreesboro, on Friday August 21st at 5:00pm to accept public comment to be used in updating the Rutherford County Hazard Mitigation Plan.
In accordance with ADA (Americans with Disabilities Act), any disabled persons requiring accommodations for participation in the meeting should contact the Emergency Management Agency at (615) 896-7764 at least two working days prior to the meeting in order that appropriate accommodations can be made.

**STATE OF TENNESSEE
County of Rutherford**

Personally appeared before me,

Lisa D. Peters

A Notary Public of Tennessee, Dave Gould, who being first duly sworn, made oath that he is President of *The Murfreesboro Post* a newspaper, and that the hereto attached publication appeared in the same on the following dates:

08/03/2015

Dave Gould

Dave Gould, President

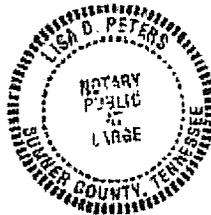
Subscribed and sworn to before me
on the date of:

08/05/2015

Lisa D. Peters

Notary Public, Lisa D. Peters

My commission expires
July 23, 2017

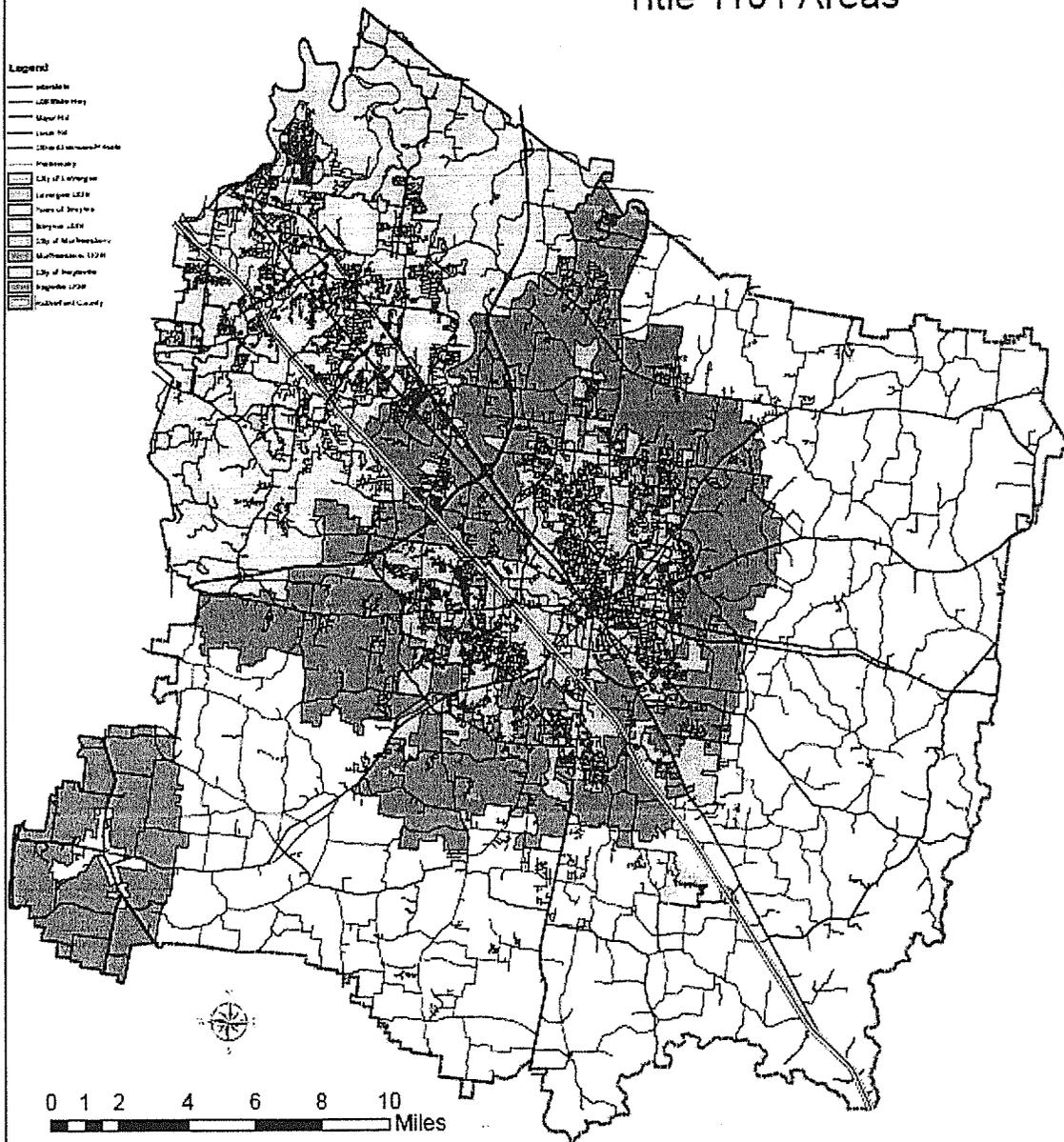


APPENDIX 3

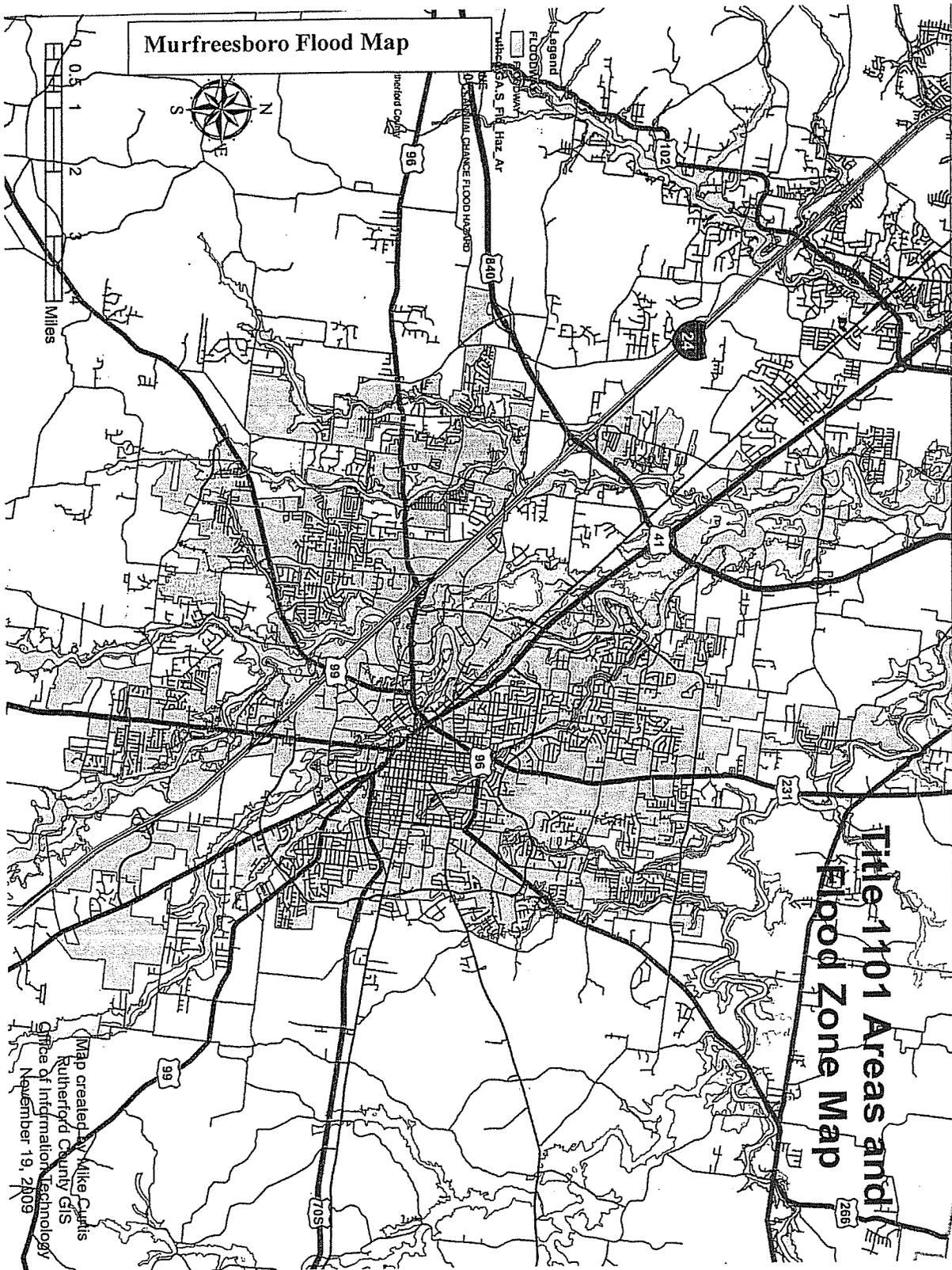
Flood Zone Maps

Rutherford County Title 1101 Areas

- Legend**
- Interstate
 - US White Way
 - State Rd
 - Local Rd
 - Other Roadway Type
 - Waterway
 - City of Livingston
 - City of Madison
 - City of Mooresville
 - City of New Hope
 - City of Rutherford
 - City of Spencer
 - City of Union City
 - Unincorporated Area



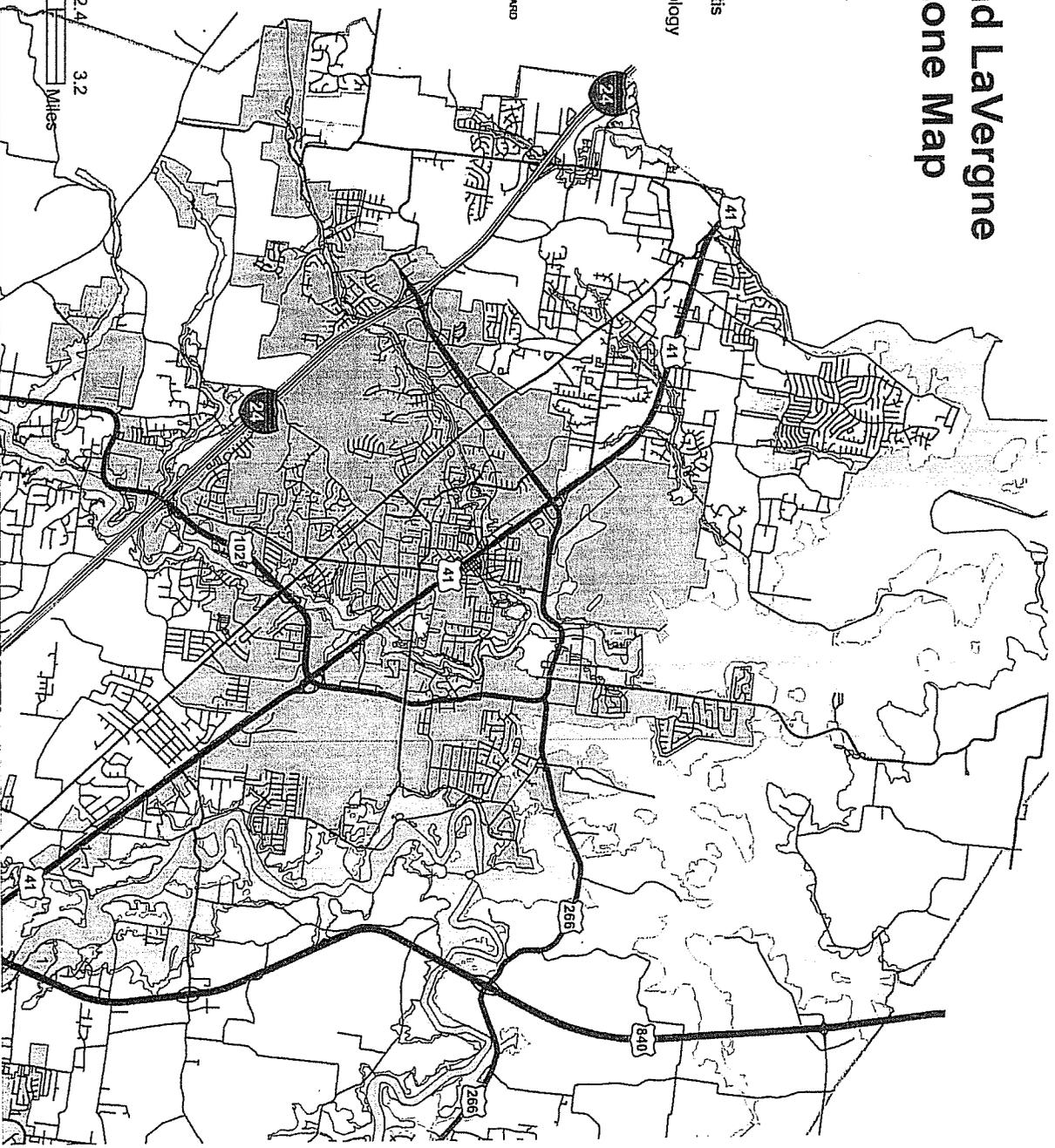
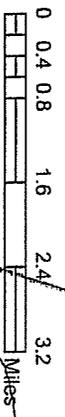
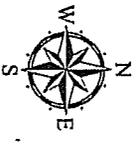
Mike Curtis, GISP
Public Safety GIS Analyst
Rutherford County GIS
Office of Information Technology
Date: 9/17/2015



Smyrna and LaVergne Flood Zone Map

Map created by Mike Curtis
Rutherford County GIS
Office of Information Technology
November 19, 2009

- Legend
- FLOODWAY
 - FLOODWAY
 - rutherford.gis_fld_haz_ar
 - FLD_ZONE
 - 0.2 Pct ANNUAL CHANCE FLOOD HAZARD
 - A
 - AE
 - X
 - Rutherford County



In the 2011 version of the Mitigation Plan 2008 FIRM maps were being utilized in Rutherford County for Flood plain management. As of September, 2015 the county is still utilizing the same 2008 FIRM map data. Therefore, this has not changed in the 2016 update.

Flood Map Effective Date
October 16 2008

PANEL	SUFFIX	FIRM PAN	EFF DATE
4	H	47149C0004H	1/5/2007
10	H	47149C0010H	1/5/2007
15	H	47149C0015H	1/5/2007
20	J	47149C0020J	10/16/2008
28	H	47149C0028H	1/5/2007
29	H	47149C0029H	1/5/2007
40	J	47149C0040J	10/16/2008
45	H	47149C0045H	1/5/2007
63	H	47149C0063H	1/5/2007
92	H	47149C0092H	1/5/2007
94	H	47149C0094H	1/5/2007
105	H	47149C0105H	1/5/2007
106	H	47149C0106H	1/5/2007
107	J	47149C0107J	10/16/2008
108	H	47149C0108H	1/5/2007
109	J	47149C0109J	10/16/2008
115	J	47149C0115J	10/16/2008
116	J	47149C0116J	10/16/2008
117	J	47149C0117J	10/16/2008
118	J	47149C0118J	10/16/2008
119	H	47149C0119H	1/5/2007
126	J	47149C0126J	10/16/2008
127	H	47149C0127H	1/5/2007
128	H	47149C0128H	1/5/2007
129	H	47149C0129H	1/5/2007
131	H	47149C0131H	1/5/2007
132	H	47149C0132H	1/5/2007
133	H	47149C0133H	1/5/2007
134	H	47149C0134H	1/5/2007
140	H	47149C0140H	1/5/2007
145	H	47149C0145H	1/5/2007
151	H	47149C0151H	1/5/2007
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153	H	47149C0153H	1/5/2007
154	H	47149C0154H	1/5/2007
156	H	47149C0156H	1/5/2007
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159	H	47149C0159H	1/5/2007
161	H	47149C0161H	1/5/2007
162	H	47149C0162H	1/5/2007
163	H	47149C0163H	1/5/2007
164	H	47149C0164H	1/5/2007

166	H	47149C0166H	1/5/2007
167	H	47149C0167H	1/5/2007
168	H	47149C0168H	1/5/2007
169	H	47149C0169H	1/5/2007
176	H	47149C0176H	1/5/2007
177	H	47149C0177H	1/5/2007
178	H	47149C0178H	1/5/2007
179	H	47149C0179H	1/5/2007
183	H	47149C0183H	1/5/2007
184	H	47149C0184H	1/5/2007
190	H	47149C0190H	1/5/2007
191	H	47149C0191H	1/5/2007
192	H	47149C0192H	1/5/2007
193	H	47149C0193H	1/5/2007
194	H	47149C0194H	1/5/2007
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214	H	47149C0214H	1/5/2007
220	H	47149C0220H	1/5/2007
230	J	47149C0230J	10/16/2008
235	H	47149C0235H	1/5/2007
240	H	47149C0240H	1/5/2007
245	H	47149C0245H	1/5/2007
255	H	47149C0255H	1/5/2007
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270	H	47149C0270H	1/5/2007
280	H	47149C0280H	1/5/2007
285	H	47149C0285H	1/5/2007
290	H	47149C0290H	1/5/2007
295	H	47149C0295H	1/5/2007
305	H	47149C0305H	1/5/2007
306	H	47149C0306H	1/5/2007
308	H	47149C0308H	1/5/2007
315	H	47149C0315H	1/5/2007
316	H	47149C0316H	1/5/2007
318	H	47149C0318H	1/5/2007
330	H	47149C0330H	1/5/2007
335	H	47149C0335H	1/5/2007
342	H	47149C0342H	1/5/2007
355	H	47149C0355H	1/5/2007
360	H	47149C0360H	1/5/2007
370	H	47149C0370H	1/5/2007
376	H	47149C0376H	1/5/2007
377	H	47149C0377H	1/5/2007

378	H	47149C0378H	1/5/2007
379	H	47149C0379H	1/5/2007
381	H	47149C0381H	1/5/2007
382	H	47149C0382H	1/5/2007
383	H	47149C0383H	1/5/2007
384	H	47149C0384H	1/5/2007
390	H	47149C0390H	1/5/2007
395	H	47149C0395H	1/5/2007
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403	H	47149C0403H	1/5/2007
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415	H	47149C0415H	1/5/2007
420	H	47149C0420H	1/5/2007
426	H	47149C0426H	1/5/2007
427	H	47149C0427H	1/5/2007
428	H	47149C0428H	1/5/2007
429	H	47149C0429H	1/5/2007
436	H	47149C0436H	1/5/2007
438	H	47149C0438H	1/5/2007
456	H	47149C0456H	1/5/2007
457	H	47149C0457H	1/5/2007

FEMA FIRM maps for Rutherford County May be found as this URL:

<http://msc.fema.gov/portal/search?AddressQuery=rutherford%20county%20tn>

APPENDIX 4

STORM EVENTS

Rutherford County Tornadoes*

Date	Time	Dead	Injured	Path Length (miles)	Rating	Location
Apr 18, 1877 **	1000 PM	10	50	40	F4	1 mile S of Newburg, 9 miles N of Columbia, 12 miles SE of Nashville, LaVergne (Lewis, Maury, Williamson, Davidson, Rutherford)
Apr 22, 1883	1200 PM	1	2	-	F3	Southern part of county
Mar 27, 1890	930 PM	0	-	10	F2	Fosterville to SE of Murfreesboro
Nov 20, 1900 **	600 PM	9	40	25	F3	5 miles S of Franklin to LaVergne, including Clovercroft and Thompson Station (Williamson, Davidson, and Rutherford)
Apr 29, 1909	1115 PM	2	20	40	F2	4 miles SW of Nolensville, S of Smyrna, N of Waterhill, to Statesville (Williamson, Wilson and Rutherford)
Mar 13, 1913 **	230 PM	7	15	50	F3	10 miles E of Bodenham to Wilson Hill to 3 miles W of Lewisburg to 3 miles SE of Eagleville to area between Murfreesboro and Smyrna (Giles, Marshall, Rutherford)
Mar 24, 1921	400 PM	0	3	-	F2	5 miles SE of Murfreesboro
Apr 16, 1921	500 AM	0	3	-	F2	Readyville (Rutherford and Cannon)
Mar 18, 1925	545 PM	1	9	20	F3	2 miles NW of College Grove to Kirkland (Williamson and Rutherford)
Mar 18, 1925 **	610 PM	2	15	12	F3	Near Unionville to NE Fosterville (Bedford and Rutherford)
Nov 26, 1926	5:00 AM	0	0	2	F2	Florence
Mar 25, 1935	700 PM	1	15	22	F2	6 miles ESE of Murfreesboro, passing 3 miles S of Readyville, and 3 miles S of Woodbury (Rutherford and Cannon)
May 12, 1955	558 PM	0	0	0	F1	35°50'N/86°23'W (near Murfreesboro)
Jan 22, 1957	630 PM	0	0	0	F1	35°42'N/86°24'W (Christiana)
Mar 11, 1963	420 PM	0	5	2	F2	Versailles

Apr 12, 1966	1200 PM	0	0	1	F1	35°56'N/86°10'W (Milton)
Apr 3, 1974	510 PM	0	0	19	F3	5 miles NW of Murfreesboro to W of Lascassas to Statesville (Rutherford and Wilson)
Feb 17, 1976	1100 PM	0	2	19	F1	35°55'N/86°50'W to 35°59'N/86°30" (Franklin to Smyrna) (Williamson and Rutherford)
Feb 17, 1976	1115 PM	0	0	21	F1	36°01'N/86°35'W to 36°12'N/86°17'W (LaVergne to near Lebanon) (Rutherford and Wilson)
Mar 24, 1980	1230 PM	0	2	2	F2	35°51'N/86°23'W to 35°52'N/86°21'W (Murfreesboro to Oak Hill)
Apr 8, 1980	1046 AM	0	0	1	F1	35°48'N/86°31'W (Overall Springs, S of Smyrna)
May 7, 1984	130 AM	0	0	0	F1	35°59'N/86°32'W (near Smyrna)
May 7, 1984	700 AM	0	0	0	F1	35°51'N/86°25'W (Murfreesboro)
Jan 28, 1995	355 PM	0	0	3	F1	Rockvale
May 18, 1995	355 PM	0	4	8	F0	Eagleville to Rockvale
Jan 24, 1997	437 PM	0	0	4.8	F2	Smyrna to 4.8 E of Smyrna
<u>Jan 24,</u> <u>1997**</u>	500 PM	0	18	6.5	F4	6 miles SW Murfreesboro to 4.8 miles NE of Barfield
Jun 2, 1998	215 AM	0	0	1	F1	3 miles SE to 4 miles SE Smyrna
Aug 12, 1999	400 PM	0	0	0.1	F0	1.7 miles to 1.6 miles SW of Smyrna
Mar 25, 2000	520 PM	0	0	0.1	F0	Eagleville
May 24, 2000	1150 PM	0	0	0.4	F0	Smyrna
Feb 25, 2001	120 AM	0	0	0	F0	Smyrna
<u>May 31,</u> <u>2001</u>	705 PM	1	2	6	F2	6 miles WSW to 2 miles N of Auburntown (Rutherford and Cannon)
Oct 24, 2001	720 PM	0	0	0	F0	LaVergne

<u>Apr 28, 2002</u> **	634 AM	0	31	3.2	F3	7 miles SSE to 9 miles SE of Murfreesboro
<u>May 5, 2003</u>	130 AM	0	0	0.1	F0	LaVergne
May 11, 2003 **	250 AM	0	0	1	F3	Walterhill to 1 mile NE of Walterhill
March 28 2009	1800	0	3	1	EF1	Scott St. & Ridgely Rd. to Memorial Blvd. & Clark Blvd. in Murfreesboro
<u>April 10 2009</u> **	1119	2	42	23.25	EF4	Kelley Rd. and Highway 41A to 8 miles NE of Murfreesboro
April 10 2009	1158	0	0	0.2	EF0	Rutherford
April 10 2009	1201	0	0	3.7	EF1	Rutherford

**** Most damage and/or deaths and injuries**

Description of Worst Tornado in Rutherford County, April 10, 2009:

The mid-day EF4 tornado traveled in a path through the county for 23.25 miles. The hardest hit were the Highland Park Drive Neighborhood and Tomahawk Trace area in the city of Murfreesboro at. The tornado injured 58 and caused almost 42 million dollars in damages. At least seven (7) people out of the fifty-eight (58) injuries were considered serious. In addition there were 2 fatalities. Its maximum width was 750 yards. 845 homes were impacted with 117 completely destroyed. The tornado first touched down north of the Eagleville Community in far Southwestern Rutherford County near the intersection of Kelly Road and Highway 41A. At this location, intermittent tree and roof damages occurred. Intermittent tree damage continued northeast, with the path becoming continuous along Rocky Glade Road between the Cedar Grove and Pleasant Hill Communities. The tornado moved NE and increased to F2 intensity with a width of 300 yards. As it struck the community of Barfield, several homes were partially destroyed. The tornado intensified after crossing I-24 destroying homes and causing major damage in the Stones River National Battlefield. It then crossed the West Fork of the Stones River and struck the Southridge Subdivision. At this time, the tornado increased to its maximum intensity of EF4, with the path width remaining at 300 yards. Then the tornado struck a large apartment complex just W of U.S. Hwy 231, on the south side of Murfreesboro. Newspaper accounts told stories of people going to basements or an interior rooms of a house for safety. Low casualties from this tornado was indicative of preparedness activities by the National Weather Service and television broadcast warnings.



Source:

 <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwEvent~storms>

190 THUNDERSTORM & HIGH WIND event(s) were reported in **Rutherford County, Tennessee** between **04/15/1961** and **11/30/2009**.

Click on Location or County to display Details.

Mag: Magnitude
Dth: Deaths
Inj: Injuries
PrD: Property Damage
CrD: Crop Damage

Tennessee

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
1 RUTHERFORD	04/15/1961	1605	Tstm Wind	0 kts.	0	0	0	0
2 RUTHERFORD	04/15/1961	1815	Tstm Wind	0 kts.	0	0	0	0
3 RUTHERFORD	08/28/1963	2200	Tstm Wind	0 kts.	0	0	0	0
4 RUTHERFORD	07/07/1966	1500	Tstm Wind	80 kts.	0	0	0	0
5 RUTHERFORD	03/12/1968	0900	Tstm Wind	0 kts.	0	0	0	0
6 RUTHERFORD	06/06/1972	1830	Tstm Wind	0 kts.	0	0	0	0
7 RUTHERFORD	06/13/1973	1500	Tstm Wind	0 kts.	0	0	0	0

8 <u>RUTHERFORD</u>	03/29/1974	2055	Tstm Wind	0 kts.	0	0	0	0
9 <u>RUTHERFORD</u>	05/31/1976	1920	Tstm Wind	0 kts.	0	0	0	0
10 <u>RUTHERFORD</u>	09/01/1977	1250	Tstm Wind	0 kts.	0	0	0	0
11 <u>RUTHERFORD</u>	07/27/1978	1500	Tstm Wind	0 kts.	0	0	0	0
12 <u>RUTHERFORD</u>	08/17/1980	1624	Tstm Wind	0 kts.	0	0	0	0
13 <u>RUTHERFORD</u>	05/30/1981	1300	Tstm Wind	0 kts.	0	0	0	0
14 <u>RUTHERFORD</u>	07/22/1982	0930	Tstm Wind	0 kts.	0	0	0	0
15 <u>RUTHERFORD</u>	04/21/1984	2300	Tstm Wind	0 kts.	0	0	0	0
16 <u>RUTHERFORD</u>	04/05/1985	1555	Tstm Wind	80 kts.	0	0	0	0
17 <u>RUTHERFORD</u>	07/15/1985	1300	Tstm Wind	0 kts.	0	0	0	0
18 <u>RUTHERFORD</u>	08/10/1986	1630	Tstm Wind	0 kts.	0	0	0	0
19 <u>RUTHERFORD</u>	12/09/1986	0930	Tstm Wind	0 kts.	0	0	0	0
20 <u>RUTHERFORD</u>	07/22/1987	1730	Tstm Wind	0 kts.	0	1	0	0
21 <u>RUTHERFORD</u>	08/04/1987	1100	Tstm Wind	0 kts.	0	0	0	0
22 <u>RUTHERFORD</u>	09/29/1987	1430	Tstm Wind	0 kts.	0	0	0	0
23 <u>RUTHERFORD</u>	06/25/1988	1330	Tstm Wind	0 kts.	0	0	0	0
24 <u>RUTHERFORD</u>	04/04/1989	0055	Tstm Wind	0 kts.	0	0	0	0
25 <u>RUTHERFORD</u>	05/20/1989	0300	Tstm Wind	0 kts.	0	0	0	0
26 <u>RUTHERFORD</u>	11/07/1989	1737	Tstm Wind	0 kts.	0	0	0	0
27 <u>RUTHERFORD</u>	11/15/1989	1622	Tstm Wind	0 kts.	0	0	0	0

28 <u>RUTHERFORD</u>	07/10/1990	1300	Tstm Wind	0 kts.	0	1	0	0
29 <u>RUTHERFORD</u>	03/22/1991	1915	Tstm Wind	0 kts.	0	0	0	0
30 <u>RUTHERFORD</u>	03/27/1991	1640	Tstm Wind	0 kts.	0	0	0	0
31 <u>RUTHERFORD</u>	04/09/1991	1218	Tstm Wind	0 kts.	0	2	0	0
32 <u>RUTHERFORD</u>	07/02/1991	1620	Tstm Wind	0 kts.	0	0	0	0
33 <u>RUTHERFORD</u>	01/13/1992	2040	Tstm Wind	0 kts.	0	0	0	0
34 <u>Smyrna</u>	02/21/1993	1200	Thunderstorm Winds	0 kts.	0	0	1K	0
35 <u>Murfreesboro</u>	04/15/1993	1500	Thunderstorm Winds	0 kts.	0	0	1K	0
36 <u>Murfreesboro</u>	08/20/1993	1330	Thunderstorm Winds	0 kts.	0	0	5K	0
37 <u>Walter Hill</u>	06/09/1994	1710	Thunderstorm Winds	0 kts.	0	0	1K	0
38 <u>Smyrna</u>	06/25/1994	1615	Thunderstorm Winds	0 kts.	0	0	1K	0
39 <u>Murfreesboro</u>	06/26/1994	1630	Thunderstorm Winds	0 kts.	0	0	1K	0
40 <u>TNZ004>010 - 021>033 - 040>047 - 052>065 - 071 - 075>078 - 089>097</u>	04/11/1995	0630	High Winds	0 kts.	0	4	1.0M	0
41 <u>Murfreesboro</u>	05/10/1995	1905	Thunderstorm Winds	0 kts.	0	0	1K	0
42 <u>Lascassas</u>	05/14/1995	0330	Thunderstorm Winds	0 kts.	0	0	2K	0
43 <u>RUTHERFORD</u>	06/06/1995	1715	Thunderstorm Winds	0 kts.	0	0	0.0M	0
44 <u>Murfreesboro</u>	07/22/1995	1545	Thunderstorm Winds	0 kts.	0	0	0.0M	0
45 <u>Fosterville</u>	07/23/1995	2000	Thunderstorm Winds	0 kts.	0	0	0.0M	0
46 <u>Murfreesboro</u>	07/24/1995	1405	Thunderstorm Winds	0 kts.	0	0	5K	0

47 <u>Smyrna</u>	07/26/1995	1649	Thunderstorm Winds	55 kts.	0	0	0	0
48 <u>Murfreesboro</u>	01/18/1996	02:05 PM	Tstm Wind	0 kts.	0	0	0K	0
49 <u>Smyrna</u>	04/29/1996	02:40 PM	Tstm Wind	0 kts.	0	0	100K	0
50 <u>Milton</u>	05/26/1996	01:07 PM	Tstm Wind	50 kts.	0	0	0	0
51 <u>Walterhill</u>	05/27/1996	02:30 PM	Tstm Wind	50 kts.	0	0	0	0
52 <u>Murfreesboro</u>	05/27/1996	02:50 PM	Tstm Wind	65 kts.	0	0	0	0
53 <u>Murfreesboro</u>	05/27/1996	02:50 PM	Tstm Wind	0 kts.	0	0	15K	0
54 <u>Countywide</u>	06/09/1996	02:00 AM	Tstm Wind	50 kts.	0	0	13K	0
55 <u>Murfreesboro</u>	07/21/1996	08:00 PM	Tstm Wind	50 kts.	0	0	0	0
56 <u>Countywide</u>	02/21/1997	07:45 AM	Tstm Wind	50 kts.	0	0	0	0
57 <u>Murfreesboro</u>	05/19/1997	05:15 PM	Tstm Wind	0 kts.	0	0	10K	0
58 <u>Christiana</u>	05/26/1997	02:00 PM	Tstm Wind	0 kts.	0	0	20K	0
59 <u>Lascassas</u>	05/26/1997	09:50 PM	Tstm Wind	0 kts.	0	0	1K	0
60 <u>Eagleville</u>	05/26/1997	11:30 AM	Tstm Wind	0 kts.	0	0	1K	0
61 <u>Smyrna</u>	06/13/1997	02:10 PM	Tstm Wind	50 kts.	0	0	0	0
62 <u>Walterhill</u>	06/13/1997	08:10 PM	Tstm Wind	50 kts.	0	0	0	0
63 <u>Christiana</u>	06/28/1997	11:15 AM	Tstm Wind	0 kts.	0	0	1K	0
64 <u>La Vergne</u>	07/21/1997	04:10 PM	Tstm Wind	50 kts.	0	0	0	0
65 <u>Murfreesboro</u>	07/21/1997	04:10 PM	Tstm Wind	0 kts.	0	0	1K	0
66 <u>Murfreesboro</u>	07/28/1997	04:55 PM	Tstm Wind	0 kts.	0	0	1K	0

67 <u>Christiana</u>	04/08/1998	06:45 PM	Tstm Wind	50 kts.	0	0	0	0
68 <u>Smyrna</u>	05/21/1998	06:15 PM	Tstm Wind	50 kts.	0	0	0	0
69 <u>Murfreesboro</u>	05/21/1998	06:45 PM	Tstm Wind	0 kts.	0	0	50K	0
70 <u>Smyrna Arpt</u>	05/25/1998	08:20 PM	Tstm Wind	0 kts.	0	1	1K	0
71 <u>South Portion</u>	07/04/1998	01:40 PM	Tstm Wind	50 kts.	0	0	10K	0
72 <u>South Portion</u>	05/05/1999	09:11 PM	Tstm Wind	0 kts.	0	3	5K	0
73 <u>Smyrna</u>	06/04/1999	11:37 PM	Tstm Wind	50 kts.	0	0	0	0
74 <u>Smyrna</u>	06/04/1999	11:50 PM	Tstm Wind	50 kts.	0	0	0	0
75 <u>Murfreesboro</u>	06/04/1999	11:58 PM	Tstm Wind	50 kts.	0	0	0	0
76 <u>Murfreesboro</u>	07/24/1999	03:00 PM	Tstm Wind	50 kts.	0	0	0	0
77 <u>Smyrna Arpt</u>	08/01/1999	02:50 PM	Tstm Wind	52 kts.	0	0	0	0
78 <u>Smyrna</u>	08/01/1999	03:00 PM	Tstm Wind	50 kts.	0	0	0	0
79 <u>West Portion</u>	08/12/1999	03:30 PM	Tstm Wind	50 kts.	0	0	0	0
80 <u>La Vergne</u>	08/12/1999	04:05 PM	Tstm Wind	0 kts.	0	0	5K	0
81 <u>Murfreesboro</u>	01/03/2000	10:25 PM	Tstm Wind	50 kts.	0	0	0	0
82 <u>Smyrna</u>	04/20/2000	05:10 PM	Tstm Wind	60 kts.	0	0	0	0
83 <u>Eagleville</u>	04/20/2000	05:43 PM	Tstm Wind	50 kts.	0	0	0	0
84 <u>West Portion</u>	05/26/2000	07:40 PM	Tstm Wind	55 kts.	0	0	0	0
85 <u>Murfreesboro</u>	08/09/2000	04:55 PM	Tstm Wind	52 kts.	0	0	0	0
86 <u>La Vergne</u>	02/25/2001	01:10 AM	Tstm Wind	52 kts.	0	0	0	0

87 <u>La Vergne</u>	02/25/2001	01:15 AM	Tstm Wind	50 kts.	0	0	0	0
88 <u>La Vergne</u>	04/15/2001	06:15 AM	Tstm Wind	65 kts.	0	0	0	0
89 <u>Smyrna Arpt</u>	04/15/2001	06:17 AM	Tstm Wind	65 kts.	0	0	0	0
90 <u>Murfreesboro</u>	04/15/2001	06:20 AM	Tstm Wind	56 kts.	0	0	0	0
91 <u>Murfreesboro</u>	04/15/2001	06:31 AM	Tstm Wind	0 kts.	0	0	500K	0
92 <u>Murfreesboro</u>	04/15/2001	06:35 AM	Tstm Wind	56 kts.	0	0	0	0
93 <u>TNZ006 - 008>009 - 024>028 - 057 - 059 - 062</u>	06/04/2001	07:12 PM	High Wind	52 kts.	0	0	0	0
94 <u>Murfreesboro</u>	06/26/2001	02:50 PM	Tstm Wind	65 kts.	0	0	0	0
95 <u>Murfreesboro</u>	06/26/2001	03:05 PM	Tstm Wind	50 kts.	0	0	0	0
96 <u>Countywide</u>	06/27/2001	03:40 PM	Tstm Wind	50 kts.	0	0	0	0
97 <u>Murfreesboro</u>	07/05/2001	10:34 AM	Tstm Wind	60 kts.	0	0	0	0
98 <u>Murfreesboro</u>	07/09/2001	02:15 PM	Tstm Wind	50 kts.	0	0	0	0
99 <u>Smyrna</u>	10/24/2001	07:15 PM	Tstm Wind	60 kts.	0	0	0	0
100 <u>Murfreesboro</u>	10/24/2001	07:26 PM	Tstm Wind	57 kts.	0	0	0	0
101 <u>Murfreesboro</u>	10/24/2001	08:00 PM	Tstm Wind	61 kts.	0	0	0	0
102 <u>Murfreesboro</u>	04/28/2002	06:35 AM	Tstm Wind	55 kts.	0	0	0	0
103 <u>Midland</u>	05/02/2002	03:20 PM	Tstm Wind	55 kts.	0	0	0	0
104 <u>Walterhill</u>	07/22/2002	03:45 PM	Tstm Wind	50 kts.	0	0	0	0
105 <u>Almaville</u>	08/30/2002	04:15 PM	Tstm Wind	50 kts.	0	0	0	0

106 <u>Murfreesboro</u>	11/10/2002	03:30 PM	Tstm Wind	50 kts.	0	0	0	0
107 <u>Murfreesboro</u>	02/22/2003	11:20 AM	Tstm Wind	50 kts.	0	0	0	0
108 <u>Murfreesboro</u>	05/01/2003	03:00 PM	Tstm Wind	60 kts.	0	0	0	0
109 <u>Murfreesboro</u>	05/01/2003	03:15 PM	Tstm Wind	55 kts.	0	0	0	0
110 <u>Murfreesboro</u>	05/05/2003	01:19 AM	Tstm Wind	55 kts.	0	0	0	0
111 <u>Eagleville</u>	05/05/2003	03:23 PM	Tstm Wind	85 kts.	0	0	0	0
112 <u>Smyrna</u>	06/11/2003	10:50 AM	Tstm Wind	50 kts.	0	0	0	0
113 <u>Smyrna</u>	06/11/2003	11:12 AM	Tstm Wind	60 kts.	0	0	0	0
114 <u>Smyrna</u>	07/21/2003	01:42 PM	Tstm Wind	50 kts.	0	0	0	0
115 <u>Smyrna</u>	08/04/2003	09:34 PM	Tstm Wind	50 kts.	0	0	0	0
116 <u>Lascassas</u>	08/04/2003	09:45 PM	Tstm Wind	65 kts.	0	0	75K	0
117 <u>Murfreesboro</u>	08/04/2003	09:45 PM	Tstm Wind	50 kts.	0	0	0	0
118 <u>Smyrna</u>	08/04/2003	09:45 PM	Tstm Wind	55 kts.	0	0	0	0
119 <u>Murfreesboro</u>	08/22/2003	07:04 PM	Tstm Wind	50 kts.	0	0	0	0
120 <u>Countywide</u>	08/22/2003	07:05 PM	Tstm Wind	55 kts.	0	0	0	0
121 <u>Lascassas</u>	08/22/2003	07:08 PM	Tstm Wind	50 kts.	0	0	0	0
122 <u>Murfreesboro</u>	08/22/2003	07:22 PM	Tstm Wind	50 kts.	0	0	0	0
123 <u>Murfreesboro</u>	11/18/2003	02:05 PM	Tstm Wind	50 kts.	0	0	0	0
124 <u>La Vergne</u>	03/20/2004	03:10 PM	Tstm Wind	50 kts.	0	0	0	0
125 <u>Christiana</u>	03/20/2004	03:40 PM	Tstm Wind	55 kts.	0	0	0	0

126 <u>La Vergne</u>	04/23/2004	12:35 PM	Tstm Wind	55 kts.	0	0	0	0
127 <u>Eagleville</u>	05/31/2004	12:05 AM	Tstm Wind	70 kts.	0	0	0	0
128 <u>Christiana</u>	05/31/2004	12:15 AM	Tstm Wind	50 kts.	0	0	0	0
129 <u>Murfreesboro</u>	06/09/2004	06:15 PM	Tstm Wind	50 kts.	0	0	0	0
130 <u>Smyrna</u>	06/13/2004	04:22 PM	Tstm Wind	50 kts.	0	0	0	0
131 <u>Mona</u>	07/04/2004	04:20 PM	Tstm Wind	60 kts.	0	0	0	0
132 <u>Murfreesboro</u>	07/04/2004	04:20 PM	Tstm Wind	50 kts.	0	0	0	0
133 <u>Murfreesboro</u>	07/06/2004	04:19 PM	Tstm Wind	50 kts.	0	0	0	0
134 <u>Christiana</u>	07/06/2004	04:24 PM	Tstm Wind	50 kts.	0	0	0	0
135 <u>Smyrna</u>	07/12/2004	03:40 PM	Tstm Wind	50 kts.	0	0	0	0
136 <u>Smyrna</u>	07/13/2004	08:22 PM	Tstm Wind	70 kts.	0	1	50K	0
137 <u>Murfreesboro</u>	07/13/2004	08:32 PM	Tstm Wind	60 kts.	0	0	0	0
138 <u>Murfreesboro</u>	07/13/2004	08:35 PM	Tstm Wind	52 kts.	0	0	0	0
139 <u>Countywide</u>	07/13/2004	09:20 PM	Tstm Wind	65 kts.	0	0	10K	0
140 <u>Murfreesboro</u>	07/25/2004	12:45 PM	Tstm Wind	50 kts.	0	0	0	0
141 <u>TNZ011 - 033>034 - 057>062 - 066 - 075 - 077 - 079>080 - 093>095</u>	09/16/2004	04:17 PM	High Wind	40 kts.	0	0	170K	1.7M
142 <u>Murfreesboro</u>	12/07/2004	05:00 AM	Tstm Wind	55 kts.	0	0	2K	0
143 <u>Murfreesboro</u>	12/07/2004	05:03 AM	Tstm Wind	50 kts.	0	0	0	0
144 <u>Walterhill</u>	01/13/2005	09:33 AM	Tstm Wind	60 kts.	0	0	1K	0

145 <u>Walterhill</u>	01/13/2005	09:45 AM	Tstm Wind	50 kts.	0	0	0	0
146 <u>Murfreesboro</u>	05/14/2005	10:29 AM	Tstm Wind	50 kts.	0	0	0	0
147 <u>La Vergne</u>	05/19/2005	03:50 PM	Tstm Wind	50 kts.	0	0	5K	0
148 <u>Christiana</u>	08/05/2005	07:30 PM	Tstm Wind	55 kts.	0	0	0	0
149 <u>Murfreesboro</u>	08/13/2005	03:25 PM	Tstm Wind	50 kts.	0	0	0	0
150 <u>Murfreesboro</u>	08/13/2005	03:30 PM	Tstm Wind	50 kts.	0	0	0	0
151 <u>La Vergne</u>	08/15/2005	01:50 PM	Tstm Wind	50 kts.	0	0	0	0
152 <u>Murfreesboro</u>	08/15/2005	02:00 PM	Tstm Wind	50 kts.	0	0	0	0
153 <u>Murfreesboro</u>	08/16/2005	03:10 PM	Tstm Wind	50 kts.	0	0	10K	0
154 <u>TNZ005>008 - 011 - 022 - 024>028 - 031>034 - 059 - 062 - 064>066 - 078 - 080</u>	08/30/2005	01:00 AM	Strong Wind	35 kts.	0	0	49K	0
155 <u>Smyrna</u>	11/15/2005	07:15 PM	Tstm Wind	50 kts.	0	0	0	0
156 <u>TNZ062</u>	11/28/2005	02:30 PM	High Wind	50 kts.	0	0	0	0
157 <u>La Vergne</u>	03/09/2006	05:00 PM	Tstm Wind	55 kts.	0	0	0	0
158 <u>Smyrna</u>	03/09/2006	05:10 PM	Tstm Wind	55 kts.	0	0	1K	0
159 <u>Blackman</u>	03/09/2006	05:15 PM	Tstm Wind	60 kts.	0	0	5K	0
160 <u>Smyrna</u>	04/02/2006	03:05 PM	Tstm Wind	50 kts.	0	0	0	0
161 <u>Murfreesboro</u>	04/02/2006	03:15 PM	Tstm Wind	50 kts.	0	0	0	0
162 <u>Smyrna</u>	05/25/2006	09:25 AM	Tstm Wind	50 kts.	0	0	0	0
163 <u>Lascassas</u>	05/25/2006	09:40 AM	Tstm Wind	55 kts.	0	0	10K	0

164 <u>Barfield</u>	05/28/2006	12:30 PM	Tstm Wind	50 kts.	0	0	0	0
165 <u>Murfreesboro</u>	06/23/2006	12:40 PM	Tstm Wind	55 kts.	0	0	0	0
166 <u>Murfreesboro</u>	06/30/2006	02:58 PM	Tstm Wind	50 kts.	0	0	0	0
167 <u>Murfreesboro</u>	06/30/2006	03:50 PM	Tstm Wind	50 kts.	0	0	0	0
168 <u>Murfreesboro</u>	09/23/2006	04:00 PM	Tstm Wind	50 kts.	0	0	0	0
169 <u>Murfreesboro</u>	06/18/2007	13:30 PM	Thunderstorm Wind	50 kts.	0	0	3K	0K
170 <u>Murfreesboro</u>	07/01/2007	12:40 PM	Thunderstorm Wind	50 kts.	0	0	1K	0K
171 <u>Murfreesboro</u>	10/18/2007	23:05 PM	Thunderstorm Wind	50 kts.	0	0	2K	0K
172 <u>Murfreesboro</u>	10/18/2007	23:30 PM	Thunderstorm Wind	50 kts.	0	0	1K	0K
173 <u>Smyrna</u>	11/05/2007	17:40 PM	Thunderstorm Wind	50 kts.	0	0	1K	0K
174 <u>Murfreesboro</u>	01/29/2008	19:40 PM	Thunderstorm Wind	50 kts.	0	0	0K	0K
175 <u>Murfreesboro</u>	01/29/2008	19:40 PM	Thunderstorm Wind	50 kts.	0	0	1K	0K
176 <u>Murfreesboro</u>	01/29/2008	19:48 PM	Thunderstorm Wind	50 kts.	0	0	1K	0K
177 <u>Murfreesboro</u>	01/29/2008	19:50 PM	Thunderstorm Wind	50 kts.	0	0	1K	0K
178 <u>Murfreesboro</u>	06/09/2008	16:51 PM	Thunderstorm Wind	50 kts.	0	0	0K	0K
179 <u>Barfield</u>	06/28/2008	14:05 PM	Thunderstorm Wind	61 kts.	0	0	20K	0K
180 <u>La Vergne</u>	02/11/2009	12:05 PM	Thunderstorm Wind	75 kts.	0	0	150K	0K
181 <u>Murfreesboro</u>	03/28/2009	17:50 PM	Thunderstorm Wind	50 kts.	0	0	0K	0K
182 <u>Murfreesboro</u>	03/28/2009	17:53 PM	Thunderstorm Wind	50 kts.	0	0	6K	0K
183 <u>Murfreesboro</u>	03/28/2009	17:55 PM	Thunderstorm Wind	50 kts.	0	0	25K	0K

184 Murfreesboro	04/10/2009	05:00 AM	Thunderstorm Wind	60 kts.	0	0	20K	0K
185 Murfreesboro	05/16/2009	13:42 PM	Thunderstorm Wind	45 kts.	0	1	10K	0K
186 Rucker	06/11/2009	08:40 AM	Thunderstorm Wind	60 kts.	0	0	120K	0K
187 Shiloh	06/11/2009	08:45 AM	Thunderstorm Wind	55 kts.	0	0	10K	0K
188 La Vergne	06/11/2009	10:00 AM	Thunderstorm Wind	50 kts.	0	0	10K	0K
189 Compton	06/16/2009	14:15 PM	Thunderstorm Wind	60 kts.	0	0	25K	0K
190 Smyrna	06/19/2009	20:10 PM	Thunderstorm Wind	52 kts.	0	0	0K	0K
TOTALS:					0	14	2.572M	1.700M

33 FLOOD EVENTS were reported in **Rutherford County, Tennessee** between **01/01/1950** and **05/10/2010**.

Click on Location or County to display Details.

Mag: Magnitude
Dth: Deaths
Inj: Injuries
PrD: Property Damage
CrD: Crop Damage

Tennessee

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
1 Smyrna	03/27/1994	1400	Flash Flooding	N/A	0	0	50K	0
2 Murfreesboro	05/09/1995	0815	Flash Flooding	N/A	0	0	2K	0
3 Countywide	07/21/1996	08:00 PM	Flash Flood	N/A	0	0	0	0
4 Murfreesboro	07/21/1996	08:00 PM	Flash Flood	N/A	0	0	1K	0
5 La Vergne	12/16/1996	11:00 PM	Flash Flood	N/A	0	0	0	0
6 Countywide	03/02/1997	05:00 PM	Flood	N/A	0	0	0	0
7 Countywide	03/02/1997	07:00 PM	Flash Flood	N/A	0	0	0	0

8 <u>Countywide</u>	03/05/1997	10:00 AM	Flash Flood	N/A	0	0	0	0
9 <u>Northwest Portion</u>	06/04/1998	09:45 AM	Flash Flood	N/A	0	0	0	0
10 <u>TNZ059 - 062</u>	01/23/1999	12:00 AM	Flood	N/A	0	0	0	0
11 <u>Countywide</u>	02/13/2000	09:12 PM	Flash Flood	N/A	0	0	0	0
12 <u>Murfreesboro</u>	12/16/2000	12:50 PM	Flash Flood	N/A	0	0	0	0
13 <u>Countywide</u>	02/16/2001	11:00 AM	Flood	N/A	0	0	0	0
14 <u>Murfreesboro</u>	06/26/2001	04:05 PM	Flash Flood	N/A	0	0	0	0
15 <u>Countywide</u>	01/24/2002	08:00 AM	Flash Flood	N/A	0	0	0	0
16 <u>TNZ026 - 056 - 059>060 - 062 - 075 - 096</u>	03/17/2002	01:45 AM	Flood	N/A	0	0	0	0
17 <u>Countywide</u>	03/17/2002	08:30 PM	Flash Flood	N/A	0	0	0	0
18 <u>Countywide</u>	05/13/2002	06:00 AM	Flash Flood	N/A	0	0	0	0
19 <u>TNZ011 - 028 - 032 - 032>034 - 059>062 - 065 - 075 - 078 - 095</u>	02/15/2003	10:00 AM	Flood	N/A	2	0	0	0
20 <u>Murfreesboro</u>	05/05/2003	02:25 AM	Flash Flood	N/A	0	0	0	0
21 <u>Murfreesboro</u>	05/05/2003	02:30 AM	Flash Flood	N/A	0	0	0	0
22 <u>La Vergne</u>	05/07/2003	12:15 AM	Flash Flood	N/A	0	0	0	0
23 <u>Northeast Portion</u>	08/06/2003	02:16 PM	Flash Flood	N/A	0	0	0	0
24 <u>La Vergne</u>	09/22/2003	06:30 AM	Flash Flood	N/A	0	0	0	0
25 <u>Murfreesboro</u>	09/22/2003	06:30 AM	Flash Flood	N/A	0	0	0	0
26 <u>TNZ008>010 - 024 - 027>028 - 030>033 - 057>063 - 065>066 - 075 - 078>079 - 093>095</u>	02/05/2004	10:00 AM	Flood	N/A	0	0	88K	0

27 <u>Smyrna</u>	03/05/2004	05:16 PM	Flash Flood	N/A	0	0	0	0
28 <u>Murfreesboro</u>	10/19/2004	01:29 AM	Flash Flood	N/A	0	0	1K	0
29 <u>Countywide</u>	11/30/2004	01:10 PM	Flash Flood	N/A	0	0	1K	0
30 <u>Murfreesboro</u>	12/07/2004	05:15 AM	Flash Flood	N/A	0	0	1K	0
31 <u>South Portion</u>	01/23/2006	01:30 AM	Flash Flood	N/A	0	0	1K	0
32 <u>North Portion</u>	08/04/2006	03:00 PM	Flash Flood	N/A	0	0	1K	0
33 <u>Christiana</u>	09/17/2009	06:00 AM	Flood	N/A	0	0	250K	0
34 <u>Mid-North Portion</u> FEMA # 1909	05/01/2010	12:00 PM	Flood	N/A	0	0	24M	unk

16 DROUGHT EVENTS were reported in **Rutherford County, Tennessee** between **01/01/1950** and **11/30/2009**.

Click on Location or County to display Details.

Mag: Magnitude
Dth: Deaths
Inj: Injuries
PrD: Property Damage
CrD: Crop Damage

Tennessee

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
1 <u>TNZ005>011 - 022>034 - 056>066 - 075 - 077>080 - 093</u>	05/01/2007	00:00 AM	Drought	N/A	0	0	0K	0K
2 <u>TNZ005>011 - 022>034 - 056>066 - 075 - 077>080 - 093</u>	06/01/2007	00:00 AM	Drought	N/A	0	0	0K	0K
3 <u>TNZ005>011 - 022>034 - 056>066 - 075 - 077>080 - 093</u>	07/01/2007	00:00 AM	Drought	N/A	0	0	0K	0K
4 <u>TNZ005>011 - 022>034 - 056>066 - 075 - 077>080 - 093</u>	08/01/2007	00:00 AM	Drought	N/A	0	0	0K	0K
5 <u>TNZ005>011 - 022>034 - 056>066 - 075 - 077>080 - 093</u>	09/01/2007	00:00 AM	Drought	N/A	0	0	0K	0K
6 <u>TNZ005>011 - 022>034 - 056>066 - 075 - 077>080 - 093</u>	10/01/2007	00:00 AM	Drought	N/A	0	0	0K	0K
7 <u>TNZ008>010 - 027>034 - 059>066 - 075 - 077>080 - 095</u>	11/01/2007	00:00 AM	Drought	N/A	0	0	0K	0K

8 <u>TNZ011 - 028 - 030>034 - 061>066 - 075 - 077>080 - 095</u>	12/01/2007	00:00 AM	Drought	N/A	0	0	OK	OK
9 <u>TNZ011 - 028 - 030>034 - 061>066 - 077>080 - 095</u>	01/01/2008	00:00 AM	Drought	N/A	0	0	OK	OK
10 <u>TNZ027>034 - 059>066 - 075 - 077>080 - 095</u>	02/01/2008	00:00 AM	Drought	N/A	0	0	OK	OK
11 <u>TNZ028>034 - 059>066 - 075 - 077>080 - 094</u>	03/01/2008	00:00 AM	Drought	N/A	0	0	OK	OK
12 <u>TNZ028>030 - 032 - 061>066 - 075 - 077>080 - 095</u>	04/01/2008	00:00 AM	Drought	N/A	0	0	OK	OK
13 <u>TNZ009>011 - 028>034 - 062>066 - 075 - 077</u>	09/01/2008	00:00 AM	Drought	N/A	0	0	OK	OK
14 <u>TNZ009>011 - 028>034 - 062>066 - 075 - 077</u>	10/01/2008	00:00 AM	Drought	N/A	0	0	OK	OK
15 <u>TNZ008>010 - 028>034 - 062>066 - 075 - 077</u>	11/01/2008	00:00 AM	Drought	N/A	0	0	OK	OK
16 <u>TNZ008>010 - 028>034 - 062>066 - 075 - 077</u>	12/01/2008	00:00 AM	Drought	N/A	0	0	OK	OK
TOTALS:					0	0	0	0

115 HAIL EVENTS were reported in **Rutherford County, Tennessee** between **01/01/1950** and **11/30/2009**.

Click on Location or County to display Details.

Mag: Magnitude
Dth: Deaths
Inj: Injuries
PrD: Property Damage
CrD: Crop Damage

Tennessee

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
1 <u>RUTHERFORD</u>	03/26/1959	1700	Hail	3.00 in.	0	0	0	0
2 <u>RUTHERFORD</u>	04/15/1961	1220	Hail	0.75 in.	0	0	0	0
3 <u>RUTHERFORD</u>	09/13/1962	1500	Hail	2.00 in.	0	0	0	0
4 <u>RUTHERFORD</u>	04/15/1965	1424	Hail	1.25 in.	0	0	0	0
5 <u>RUTHERFORD</u>	07/06/1976	1340	Hail	1.75 in.	0	0	0	0
6 <u>RUTHERFORD</u>	04/26/1982	1705	Hail	1.00 in.	0	0	0	0
7 <u>RUTHERFORD</u>	05/06/1984	1350	Hail	1.75 in.	0	0	0	0
8 <u>RUTHERFORD</u>	04/23/1988	1800	Hail	1.75 in.	0	0	0	0
9 <u>RUTHERFORD</u>	04/23/1988	1815	Hail	1.75 in.	0	0	0	0
10 <u>RUTHERFORD</u>	04/23/1988	2015	Hail	1.75 in.	0	0	0	0
11 <u>Rockvale</u>	06/29/1994	1544	Hail	0.88 in.	0	0	0	0

12 <u>Rockvale</u>	06/29/1994	1600	Hail	0.75 in.	0	0	0	0
13 <u>Rockvale</u>	01/28/1995	1555	Hail	1.75 in.	0	0	1K	0
14 <u>Murfreesboro</u>	01/28/1995	1600	Hail	0.88 in.	0	0	0K	0
15 <u>Smyrna</u>	03/20/1995	1845	Hail	1.75 in.	0	0	3K	0
16 <u>Smyrna</u>	04/29/1996	02:25 PM	Hail	1.75 in.	0	0	0	0
17 <u>Smyrna Arpt</u>	04/29/1996	02:25 PM	Hail	1.00 in.	0	0	0	0
18 <u>Murfreesboro</u>	05/26/1996	05:40 PM	Hail	1.25 in.	0	0	0	0
19 <u>Walterhill</u>	05/26/1996	05:50 PM	Hail	1.75 in.	0	0	0	0
20 <u>La Vergne</u>	01/24/1997	04:45 PM	Hail	1.75 in.	0	0	0	0
21 <u>Murfreesboro</u>	04/19/1997	03:20 PM	Hail	0.88 in.	0	0	0	0
22 <u>Fosterville</u>	04/21/1997	12:40 PM	Hail	0.75 in.	0	0	0	0
23 <u>Christiana</u>	07/04/1997	02:10 PM	Hail	1.00 in.	0	0	0	0
24 <u>La Vergne</u>	04/16/1998	11:51 AM	Hail	1.00 in.	0	0	0	0
25 <u>Murfreesboro</u>	04/16/1998	11:51 AM	Hail	1.00 in.	0	0	0	0
26 <u>Smyrna</u>	04/16/1998	11:51 AM	Hail	0.75 in.	0	0	0	0
27 <u>Walterhill</u>	04/16/1998	12:05 PM	Hail	1.00 in.	0	0	0	0
28 <u>Smyrna</u>	06/02/1998	11:55 PM	Hail	1.00 in.	0	0	0	0
29 <u>Christiana</u>	01/17/1999	08:40 PM	Hail	0.75 in.	0	0	0	0
30 <u>Murfreesboro</u>	01/17/1999	08:50 PM	Hail	0.75 in.	0	0	0	0
31 <u>La Vergne</u>	08/12/1999	04:05 PM	Hail	1.75 in.	0	0	0	0
32 <u>Smyrna</u>	02/13/2000	06:16 PM	Hail	0.75 in.	0	0	0	0

33 <u>Blackman</u>	02/13/2000	06:40 PM	Hail	0.75 in.	0	0	0	0
34 <u>Northwest Portion</u>	02/18/2000	07:00 PM	Hail	0.75 in.	0	0	0	0
35 <u>Murfreesboro</u>	03/25/2000	01:30 PM	Hail	0.75 in.	0	0	0	0
36 <u>Smyrna</u>	04/17/2000	03:00 AM	Hail	0.75 in.	0	0	0	0
37 <u>La Vergne</u>	04/20/2000	01:05 PM	Hail	0.75 in.	0	0	0	0
38 <u>Smyrna</u>	04/20/2000	01:07 PM	Hail	0.75 in.	0	0	0	0
39 <u>Smyrna</u>	04/20/2000	05:09 PM	Hail	1.00 in.	0	0	0	0
40 <u>Walterhill</u>	06/25/2000	03:00 PM	Hail	0.75 in.	0	0	0	0
41 <u>La Vergne</u>	02/25/2001	01:10 AM	Hail	0.75 in.	0	0	0	0
42 <u>Murfreesboro</u>	09/12/2001	10:35 PM	Hail	1.00 in.	0	0	0	0
43 <u>Smyrna</u>	10/24/2001	07:15 PM	Hail	0.75 in.	0	0	0	0
44 <u>Smyrna</u>	10/24/2001	07:20 PM	Hail	1.00 in.	0	0	0	0
45 <u>Murfreesboro</u>	10/24/2001	07:45 PM	Hail	0.75 in.	0	0	0	0
46 <u>La Vergne</u>	04/28/2002	01:35 PM	Hail	1.75 in.	0	0	0	0
47 <u>Murfreesboro</u>	04/28/2002	06:15 AM	Hail	1.00 in.	0	0	0	0
48 <u>Murfreesboro</u>	04/30/2002	11:36 PM	Hail	1.75 in.	0	0	0	0
49 <u>Smyrna</u>	08/22/2002	04:25 PM	Hail	0.75 in.	0	0	0	0
50 <u>Murfreesboro</u>	09/20/2002	05:30 PM	Hail	0.75 in.	0	0	0	0
51 <u>Murfreesboro</u>	09/20/2002	05:43 PM	Hail	0.75 in.	0	0	0	0
52 <u>Smyrna</u>	11/10/2002	03:19 PM	Hail	1.00 in.	0	0	0	0

53 <u>Smyrna</u>	11/10/2002	03:26 PM	Hail	1.25 in.	0	0	0	0
54 <u>Smyrna</u>	11/10/2002	03:28 PM	Hail	1.75 in.	0	0	0	0
55 <u>Smyrna</u>	11/10/2002	03:29 PM	Hail	0.88 in.	0	0	0	0
56 <u>Smyrna</u>	11/10/2002	03:31 PM	Hail	2.00 in.	0	0	0	0
57 <u>Walterhill</u>	11/10/2002	03:33 PM	Hail	0.75 in.	0	0	0	0
58 <u>La Vergne</u>	04/25/2003	03:50 PM	Hail	1.00 in.	0	0	0	0
59 <u>Christiana</u>	04/25/2003	03:55 PM	Hail	1.00 in.	0	0	0	0
60 <u>La Vergne</u>	04/25/2003	04:00 PM	Hail	0.88 in.	0	0	0	0
61 <u>Murfreesboro</u>	04/25/2003	04:20 PM	Hail	0.75 in.	0	0	0	0
62 <u>Smyrna</u>	05/05/2003	01:00 AM	Hail	1.75 in.	0	0	0	0
63 <u>Smyrna</u>	05/05/2003	01:08 AM	Hail	1.25 in.	0	0	0	0
64 <u>Smyrna</u>	05/05/2003	01:10 AM	Hail	0.75 in.	0	0	0	0
65 <u>Murfreesboro</u>	05/05/2003	01:30 AM	Hail	0.75 in.	0	0	0	0
66 <u>Murfreesboro</u>	05/05/2003	01:35 AM	Hail	1.75 in.	0	0	0	0
67 <u>Murfreesboro</u>	05/05/2003	01:38 AM	Hail	0.88 in.	0	0	0	0
68 <u>Eagleville</u>	06/10/2003	03:05 PM	Hail	1.00 in.	0	0	0	0
69 <u>Smyrna</u>	06/11/2003	10:48 AM	Hail	1.00 in.	0	0	0	0
70 <u>Smyrna</u>	07/13/2003	01:34 PM	Hail	0.88 in.	0	0	0	0
71 <u>Walterhill</u>	07/13/2003	01:48 PM	Hail	1.00 in.	0	0	0	0
72 <u>Murfreesboro</u>	08/04/2003	09:45 PM	Hail	1.75 in.	0	0	0	0

73 <u>Smyrna</u>	08/04/2003	09:45 PM	Hail	1.00 in.	0	0	0	0
74 <u>Murfreesboro</u>	06/13/2004	04:48 PM	Hail	0.88 in.	0	0	0	0
75 <u>Murfreesboro</u>	06/13/2004	04:50 PM	Hail	0.75 in.	0	0	0	0
76 <u>Murfreesboro</u>	07/04/2004	04:05 PM	Hail	0.75 in.	0	0	0	0
77 <u>Smyrna</u>	12/10/2004	12:42 PM	Hail	1.00 in.	0	0	0	0
78 <u>La Vergne</u>	03/23/2005	12:35 PM	Hail	1.00 in.	0	0	0	0
79 <u>Murfreesboro</u>	03/30/2005	11:55 PM	Hail	0.88 in.	0	0	0	0
80 <u>Blackman</u>	05/14/2005	10:29 AM	Hail	0.75 in.	0	0	0	0
81 <u>Christiana</u>	04/02/2006	10:50 PM	Hail	0.88 in.	0	0	0	0
82 <u>Murfreesboro</u>	04/02/2006	11:00 PM	Hail	1.50 in.	0	0	0	0
83 <u>Murfreesboro</u>	04/02/2006	11:14 PM	Hail	1.25 in.	0	0	0	0
84 <u>Murfreesboro</u>	04/07/2006	03:00 PM	Hail	2.00 in.	0	1	0	0
85 <u>Murfreesboro</u>	04/07/2006	03:01 PM	Hail	0.88 in.	0	0	0	0
86 <u>Murfreesboro</u>	04/07/2006	03:06 PM	Hail	1.00 in.	0	0	0	0
87 <u>Murfreesboro</u>	04/07/2006	03:08 PM	Hail	1.75 in.	0	0	0	0
88 <u>Murfreesboro</u>	04/07/2006	03:10 PM	Hail	1.00 in.	0	0	0	0
89 <u>Murfreesboro</u>	04/07/2006	04:54 PM	Hail	1.75 in.	0	0	0	0
90 <u>Smyrna</u>	04/07/2006	06:17 PM	Hail	0.88 in.	0	0	0	0
91 <u>Walterhill</u>	04/20/2006	08:25 AM	Hail	0.88 in.	0	0	0	0
92 <u>Smyrna</u>	05/25/2006	09:22 AM	Hail	1.00 in.	0	0	0	0

93 <u>Smyrna</u>	05/25/2006	09:23 AM	Hail	2.75 in.	0	0	0	0
94 <u>Smyrna</u>	05/25/2006	09:28 AM	Hail	0.75 in.	0	0	0	0
95 <u>Smyrna</u>	05/25/2006	09:36 AM	Hail	1.75 in.	0	0	0	0
96 <u>Murfreesboro</u>	05/25/2006	09:40 AM	Hail	1.00 in.	0	0	0	0
97 <u>Murfreesboro</u>	06/20/2006	05:22 PM	Hail	0.88 in.	0	0	0	0
98 <u>Murfreesboro</u>	06/30/2006	02:58 PM	Hail	0.88 in.	0	0	0	0
99 <u>Murfreesboro</u>	04/03/2007	20:37 PM	Hail	0.75 in.	0	0	OK	OK
100 <u>Murfreesboro</u>	04/03/2007	20:45 PM	Hail	1.00 in.	0	0	OK	OK
101 <u>Smyrna</u>	07/23/2007	15:45 PM	Hail	1.00 in.	0	0	OK	OK
102 <u>Murfreesboro</u>	06/01/2008	13:35 PM	Hail	0.75 in.	0	0	OK	OK
103 <u>Murfreesboro</u>	06/09/2008	16:35 PM	Hail	0.88 in.	0	0	OK	OK
104 <u>Murfreesboro</u>	06/21/2008	14:25 PM	Hail	0.88 in.	0	0	OK	OK
105 <u>Murfreesboro</u>	06/21/2008	14:58 PM	Hail	0.88 in.	0	0	OK	OK
106 <u>Murfreesboro</u>	06/21/2008	15:00 PM	Hail	1.00 in.	0	0	OK	OK
107 <u>Murfreesboro</u>	03/28/2009	17:54 PM	Hail	0.75 in.	0	0	OK	OK
108 <u>Hoovers Gap</u>	04/10/2009	11:25 AM	Hail	1.75 in.	0	0	OK	OK
109 <u>Smyrna</u>	04/10/2009	11:26 AM	Hail	1.75 in.	0	0	OK	OK
110 <u>Murfreesboro</u>	04/10/2009	11:44 AM	Hail	1.75 in.	0	0	OK	OK
111 <u>Murfreesboro</u>	04/10/2009	12:02 PM	Hail	1.75 in.	0	0	OK	OK
112 <u>Murfreesboro</u>	04/10/2009	12:03 PM	Hail	1.00 in.	0	0	OK	OK

113 <u>Christiana</u>	05/15/2009	13:17 PM	Hail	0.88 in.	0	0	0K	0K
114 <u>Murfreesboro</u>	05/15/2009	13:27 PM	Hail	1.00 in.	0	0	0K	0K
115 <u>Smyrna</u>	06/16/2009	14:00 PM	Hail	1.75 in.	0	0	0K	0K
TOTALS:					0	1	4K	0

17 SNOW & ICE EVENTS were reported in **Rutherford County, Tennessee** between **01/01/1950** and **11/30/2009**.

*Click on **Location or County** to display **Details**.*

Mag: Magnitude
Dth: Deaths
Inj: Injuries
PrD: Property Damage
CrD: Crop Damage

Tennessee

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
1 <u>TNZ001>102</u>	01/16/1994	1800	Snow	N/A	0	0	5K	0
2 <u>TNZ03>13:20>35 - 42>66 - 75>82 - 84 - 85 - 88>97 - 100 - 101</u>	02/09/1994	2000	Ice Storm	N/A	0	0	500K	0
3 <u>TNZ001>102</u>	02/07/1995	1200	Snow	N/A	0	0	1K	0
4 <u>Countywide</u>	10/05/1995	0530	Freezing Drizzle	N/A	0	1	20K	0
5 <u>Countywide</u>	11/05/1995	0530	Freezing Drizzle	N/A	0	1	20K	0
6 <u>TNZ005>011 - 022>031 - 033 - 055>065 - 075>082 - 093>098</u>	01/06/1996	05:00 PM	Winter Storm	N/A	0	0	10K	0
7 <u>TNZ005>008 - 022>028 - 055>060 - 062</u>	01/06/1996	05:50 AM	Winter Storm	N/A	0	0	0	0
8 <u>TNZ028 - 030>033 - 056 - 061>065 - 075>076 - 078>082 - 093>098</u>	02/01/1996	05:00 PM	Winter Storm	N/A	0	1	5K	0
9 <u>TNZ006>011 - 022>023 - 025>029 - 032>033 - 033>034 - 056>062 - 062>066 - 075>080 - 094>097 - 097</u>	12/23/1998	07:30 AM	Winter Storm	N/A	0	11	1.5M	0
10 <u>TNZ005>010 - 022>031 - 056>057 - 059>060 - 062>064 - 077</u>	01/16/2003	11:00 AM	Heavy Snow	N/A	0	0	0	0

11 TNZ005>006 - 008 - 022 - 025 - 027>028 - 031>032 - 062 - 066 - 077 - 079>080	02/09/2003	09:00 PM	Heavy Snow	N/A	0	0	0	0
12 TNZ059 - 061>063 - 065>066 - 075 - 077>080	02/15/2004	01:00 PM	Heavy Snow	N/A	0	0	0	0
13 TNZ009 - 028>030 - 061>064 - 075 - 077 - 095	12/22/2004	09:00 PM	Winter Storm	N/A	0	0	0	0
14 TNZ006>008 - 032 - 034 - 062 - 094	02/10/2006	10:00 PM	Heavy Snow	N/A	0	0	0	0
15 TNZ007>009 - 027>030 - 034 - 059 - 062 - 064 - 066 - 079	03/07/2008	21:00 PM	Winter Storm	N/A	0	0	0K	0K
16 TNZ032 - 056>058 - 060>063 - 066 - 075 - 077>078 - 093	03/01/2009	00:00 AM	Heavy Snow	N/A	0	0	0K	0K
17 TNZ032 - 056>058 - 060>063 - 066 - 075 - 077>078 - 093	03/01/2009	00:00 AM	Winter Weather	N/A	0	0	0K	0K
TOTALS:					0	14	2.061M	0

11 LIGHTNING EVENTS were reported in Rutherford County, Tennessee between 01/01/1950 and 11/30/2009.

Click on Location or County to display Details.

Mag: Magnitude
Dth: Deaths
Inj: Injuries
PrD: Property Damage
CrD: Crop Damage

Tennessee

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
1 Murfreesboro	08/25/1993	1500	Lightning	N/A	0	0	1K	0
2 Murfreesboro	07/22/1995	1545	Lightning	N/A	0	6	1K	0
3 Blackman	05/27/1996	02:50 PM	Lightning	N/A	0	0	170K	0
4 Murfreesboro	02/03/1997	09:37 AM	Lightning	N/A	0	2	100K	0
5 Lascassas	07/28/1997	04:55 PM	Lightning	N/A	0	0	1K	0
6 Murfreesboro	08/09/2000	04:55 PM	Lightning	N/A	0	0	5K	0
7 Murfreesboro	09/12/2000	04:45 PM	Lightning	N/A	0	0	25K	0

8 <u>Smyrna</u>	04/15/2001	06:30 AM	Lightning	N/A	1	0	0	0
9 <u>Smyrna</u>	04/24/2002	12:00 PM	Lightning	N/A	0	0	175K	0
10 <u>Blackman</u>	05/31/2004	12:33 AM	Lightning	N/A	0	1	20K	0
11 <u>Murfreesboro</u>	05/26/2006	01:33 AM	Lightning	N/A	0	0	30K	0
TOTALS:					1	9	527K	0

FOR UPDATED 2015 Wx Updates:

SOURCE: NOAA National Climatic Data Center

<https://www.ncdc.noaa.gov/stormevents/listevents.jsp?eventType=ALL&beginDate mm=01&beginDate dd=01&beginDate yyyy=2014&endDate mm=04&endDate dd=30&endDate yyyy=2015&county=RUTHERFORD%3A149&hailfilter=0.00&tornfilter=0&windfilter=000&sort=DT&submitbutton=Search&statefips=47%2CTENNESSEE>

196 events were reported between 01/01/2010 and 04/30/2015 (1946 days)

Summary Info:

Number of County/Zone areas affected:	2
Number of Days with Event:	104
Number of Days with Event and Death:	1
Number of Days with Event and Death or Injury:	1
Number of Days with Event and Property Damage:	58
Number of Days with Event and Crop Damage:	7
Number of Event Types reported:	16

Select: All Hail All Tornadoes All Wind Speeds Sort By: Date/Time (Oldest)

Location	County/Zone	St.	Date	Time	TZ	Type	Mag	Dth	Inj	PrD	CrD
Totals:								2	0	11.575M	145.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	01/29/2010	09:00	CST-6	Heavy Snow		0	0	250.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	01/29/2010	16:00	CST-6	Ice Storm		0	0	25.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	02/08/2010	19:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	02/14/2010	10:00	CST-6	Winter Weather		0	0	0.00K	0.00K
LA VERGNE	RUTHERFORD CO.	TN	05/01/2010	16:28	CST-6	Flood		0	0	3.500M	1.00K
LA VERGNE	RUTHERFORD CO.	TN	05/17/2010	18:50	CST-6	Thunderstorm Wind	50 kts. EG	0	0	2.00K	0.00K
WALTERHILL	RUTHERFORD CO.	TN	05/26/2010	17:00	CST-6	Thunderstorm Wind	45 kts. EG	0	0	25.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	06/02/2010	17:30	CST-6	Thunderstorm Wind	55 kts. EG	0	0	50.00K	0.00K
ALMAVILLE	RUTHERFORD CO.	TN	06/09/2010	15:24	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	06/16/2010	16:40	CST-6	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
MURFREESBORO ARPT	RUTHERFORD CO.	TN	06/24/2010	17:26	CST-6	Thunderstorm Wind	55 kts. EG	0	0	11.00K	0.00K
JEFFERSON	RUTHERFORD CO.	TN	06/25/2010	18:00	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	06/26/2010	12:05	CST-6	Thunderstorm Wind	55 kts. EG	0	0	25.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	07/08/2010	14:15	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
LOFTON	RUTHERFORD CO.	TN	07/16/2010	17:30	CST-6	Thunderstorm Wind	55 kts. EG	0	0	1.00K	0.00K
LEANNA	RUTHERFORD CO.	TN	07/29/2010	16:45	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
LEANNA	RUTHERFORD CO.	TN	07/29/2010	16:45	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	08/04/2010	12:00	CST-6	Excessive Heat		0	0	0.00K	0.00K
DILLTON	RUTHERFORD CO.	TN	08/05/2010	13:00	CST-6	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
DOUBLE SPGS	RUTHERFORD CO.	TN	08/11/2010	18:00	CST-6	Thunderstorm Wind	55 kts. EG	0	0	50.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	08/13/2010	12:00	CST-6	Heat		0	0	0.00K	0.00K
HALES CAMP	RUTHERFORD CO.	TN	09/11/2010	14:06	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
ROCK SPGS	RUTHERFORD CO.	TN	10/24/2010	19:29	CST-6	Funnel Cloud		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	10/26/2010	09:45	CST-6	Strong Wind	44 kts. MG	0	0	1.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	10/26/2010	10:00	CST-6	Strong Wind	40 kts. EG	0	0	1.00K	0.00K
OVERALL	RUTHERFORD CO.	TN	10/26/2010	12:00	CST-6	Funnel Cloud		0	0	0.00K	0.00K
LOFTON	RUTHERFORD CO.	TN	10/26/2010	12:00	CST-6	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
MT OLIVE	RUTHERFORD CO.	TN	10/26/2010	12:20	CST-6	Thunderstorm Wind	51 kts. MG	0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	12/12/2010	07:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	12/15/2010	15:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	12/25/2010	00:00	CST-6	Winter Weather		0	0	0.00K	0.00K

CHRISTIANA	RUTHERFORD CO.	TN	03/23/2011	18:00	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
CHRISTIANA	RUTHERFORD CO.	TN	03/23/2011	18:03	CST-6	Tornado	EF0	0	0	25.00K	0.00K
SHARP VILLE	RUTHERFORD CO.	TN	03/23/2011	18:06	CST-6	Funnel Cloud		0	0	0.00K	0.00K
LA VERGNE	RUTHERFORD CO.	TN	04/04/2011	13:22	CST-6	Tornado	EF1	0	0	250.00K	4.00K
ROCK SPGS	RUTHERFORD CO.	TN	04/04/2011	13:30	CST-6	Thunderstorm Wind	50 kts. EG	0	0	5.00K	0.00K
LASCASSAS	RUTHERFORD CO.	TN	04/04/2011	13:39	CST-6	Thunderstorm Wind	55 kts. EG	0	0	12.00K	5.00K
MURFREESBORO	RUTHERFORD CO.	TN	04/15/2011	10:25	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	04/15/2011	12:30	CST-6	Strong Wind	43 kts. EG	0	0	10.00K	0.00K
LA VERGNE	RUTHERFORD CO.	TN	04/15/2011	19:20	CST-6	Thunderstorm Wind	55 kts. EG	0	0	1.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	04/20/2011	00:57	CST-6	Thunderstorm Wind	50 kts. EG	0	0	10.00K	0.00K
LA VERGNE	RUTHERFORD CO.	TN	04/27/2011	04:43	CST-6	Flash Flood		0	0	1.00K	0.00K
EAGLEVILLE	RUTHERFORD CO.	TN	04/27/2011	04:43	CST-6	Thunderstorm Wind	55 kts. EG	0	0	50.00K	0.00K
RUCKER	RUTHERFORD CO.	TN	04/27/2011	04:45	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
VERSAILLES	RUTHERFORD CO.	TN	04/27/2011	04:47	CST-6	Tornado	EF0	0	0	8.00K	11.00K
BARFIELD	RUTHERFORD CO.	TN	04/27/2011	04:50	CST-6	Thunderstorm Wind	55 kts. EG	0	0	50.00K	0.00K
OVERALL	RUTHERFORD CO.	TN	04/27/2011	04:52	CST-6	Tornado	EF0	0	0	50.00K	12.00K
OVERALL	RUTHERFORD CO.	TN	04/27/2011	04:54	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
ROYER ESTATES	RUTHERFORD CO.	TN	04/27/2011	04:55	CST-6	Funnel Cloud		0	0	0.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	04/27/2011	04:55	CST-6	Thunderstorm Wind	55 kts. EG	0	0	25.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	04/27/2011	04:55	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
MURFREESBORO ARPT	RUTHERFORD CO.	TN	04/27/2011	04:56	CST-6	Thunderstorm Wind	60 kts. EG	0	0	10.00K	0.00K
MURFREESBORO ARPT	RUTHERFORD CO.	TN	04/27/2011	04:57	CST-6	Thunderstorm Wind	64 kts. EG	0	0	10.00K	0.00K
MURFREESBORO ARPT	RUTHERFORD CO.	TN	04/27/2011	04:57	CST-6	Thunderstorm Wind	55 kts. EG	0	0	40.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	04/27/2011	04:57	CST-6	Thunderstorm Wind	55 kts. EG	0	0	25.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	04/27/2011	04:58	CST-6	Thunderstorm Wind	55 kts. EG	0	0	75.00K	0.00K
PUCKETT	RUTHERFORD CO.	TN	04/27/2011	16:00	CST-6	Flash Flood		0	0	1.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	05/25/2011	23:20	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
ROYER ESTATES	RUTHERFORD CO.	TN	05/25/2011	23:25	CST-6	Thunderstorm Wind	60 kts. EG	0	0	25.00K	0.00K
SANDHILL	RUTHERFORD CO.	TN	05/25/2011	23:25	CST-6	Thunderstorm Wind	55 kts. EG	0	0	25.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	05/25/2011	23:30	CST-6	Funnel Cloud		0	0	0.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	05/25/2011	23:30	CST-6	Thunderstorm Wind	52 kts. MG	0	0	0.00K	0.00K
BLACKMAN	RUTHERFORD CO.	TN	05/25/2011	23:31	CST-6	Thunderstorm Wind	55 kts. EG	0	0	2.50K	0.00K
SANDHILL	RUTHERFORD CO.	TN	05/26/2011	00:00	CST-6	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K

LASCASSAS	RUTHERFORD CO.	TN	06/09/2011	14:03	CST-6	Lightning		0	0	50.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	06/15/2011	14:50	CST-6	Thunderstorm Wind	52 kts. EG	0	0	5.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	06/28/2011	04:00	CST-6	Thunderstorm Wind	52 kts. EG	0	0	20.00K	0.00K
LASCASSAS	RUTHERFORD CO.	TN	08/03/2011	17:20	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
EAGLEVILLE	RUTHERFORD CO.	TN	08/03/2011	19:10	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
ROCKVALE	RUTHERFORD CO.	TN	08/03/2011	19:40	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
HOOVERS GAP	RUTHERFORD CO.	TN	08/08/2011	16:40	CST-6	Hail	1.50 in.	0	0	0.00K	0.00K
RUCKER	RUTHERFORD CO.	TN	10/18/2011	14:10	CST-6	Hail	2.75 in.	0	0	5.000M	0.00K
COMPTON	RUTHERFORD CO.	TN	10/18/2011	14:20	CST-6	Thunderstorm Wind	56 kts. EG	0	0	5.00K	0.00K
EAGLEVILLE	RUTHERFORD CO.	TN	11/27/2011	03:47	CST-6	Flood		0	0	1.00K	1.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	01/12/2012	16:00	CST-6	Winter Weather		0	0	0.00K	0.00K
J PERCY PRIEST RES S	RUTHERFORD CO.	TN	01/17/2012	13:27	CST-6	Tornado	EFO	0	0	250.00K	0.00K
MURFREESBORO ARPT	RUTHERFORD CO.	TN	01/21/2012	02:19	CST-6	Lightning		0	0	52.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	02/19/2012	08:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	03/02/2012	14:10	CST-6	Strong Wind	46 kts. MG	0	0	5.00K	0.00K
EAGLEVILLE	RUTHERFORD CO.	TN	03/02/2012	17:45	CST-6	Funnel Cloud		0	0	0.00K	0.00K
ROCK SPGS	RUTHERFORD CO.	TN	03/15/2012	16:30	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
RUCKER	RUTHERFORD CO.	TN	03/31/2012	12:09	CST-6	Hail	1.75 in.	0	0	0.00K	0.00K
PLEASANT VIEW	RUTHERFORD CO.	TN	03/31/2012	12:20	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
CHRISTIANA	RUTHERFORD CO.	TN	03/31/2012	12:35	CST-6	Hail	1.75 in.	0	0	0.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	04/05/2012	13:15	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
EAGLEVILLE	RUTHERFORD CO.	TN	04/05/2012	14:03	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	04/05/2012	14:47	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
BLACKMAN	RUTHERFORD CO.	TN	05/18/2012	17:05	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	05/19/2012	15:58	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	05/19/2012	16:01	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
DILLTON	RUTHERFORD CO.	TN	05/19/2012	16:23	CST-6	Hail	1.75 in.	0	0	0.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	05/19/2012	16:23	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
LA VERGNE	RUTHERFORD CO.	TN	05/19/2012	17:30	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
SANDHILL	RUTHERFORD CO.	TN	05/29/2012	17:20	CST-6	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
SANDHILL	RUTHERFORD CO.	TN	05/29/2012	17:25	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
SANDHILL	RUTHERFORD CO.	TN	05/29/2012	17:25	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
SANDHILL	RUTHERFORD CO.	TN	06/15/2012	17:40	CST-6	Thunderstorm Wind	56 kts. EG	0	0	15.00K	0.00K

RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	07/01/2012	00:00	CST-6	Drought		0	0	0.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	07/05/2012	17:30	CST-6	Thunderstorm Wind	55 kts. EG	0	0	5.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	07/05/2012	17:30	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
MT OLIVE	RUTHERFORD CO.	TN	07/05/2012	17:40	CST-6	Thunderstorm Wind	55 kts. EG	0	0	15.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	07/05/2012	18:03	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	07/05/2012	18:05	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	07/05/2012	18:05	CST-6	Thunderstorm Wind	55 kts. EG	0	0	15.00K	0.00K
HALES CAMP	RUTHERFORD CO.	TN	07/05/2012	18:18	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
SEWART AFB	RUTHERFORD CO.	TN	07/05/2012	18:18	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	07/08/2012	16:13	CST-6	Thunderstorm Wind	55 kts. EG	0	0	1.00K	0.00K
LOFTON	RUTHERFORD CO.	TN	07/08/2012	17:00	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	07/08/2012	17:05	CST-6	Thunderstorm Wind	55 kts. EG	0	0	15.00K	0.00K
MURFREESBORO ARPT	RUTHERFORD CO.	TN	07/16/2012	17:45	CST-6	Thunderstorm Wind	55 kts. EG	0	0	25.00K	0.00K
MURFREESBORO ARPT	RUTHERFORD CO.	TN	07/16/2012	17:45	CST-6	Lightning		0	0	25.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	08/02/2012	10:00	CST-6	Heat		2	0	0.00K	0.00K
CHRISTIANA	RUTHERFORD CO.	TN	08/16/2012	18:10	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
LA VERGNE	RUTHERFORD CO.	TN	08/16/2012	21:55	CST-6	Thunderstorm Wind	56 kts. EG	0	0	5.00K	0.00K
MURFREESBORO ARPT	RUTHERFORD CO.	TN	08/16/2012	22:14	CST-6	Thunderstorm Wind	66 kts. MG	0	0	20.00K	0.00K
MURFREESBORO ARPT	RUTHERFORD CO.	TN	09/17/2012	14:51	CST-6	Flash Flood		0	0	1.00K	1.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	12/29/2012	12:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD CO.	RUTHERFORD CO.	TN	01/13/2013	15:36	CST-6	Tornado	EF0	0	0	25.00K	10.00K
RUTHERFORD CO.	RUTHERFORD CO.	TN	01/30/2013	03:42	CST-6	Tornado	EF1	0	0	450.00K	100.00K
RUTHERFORD CO.	RUTHERFORD CO.	TN	01/30/2013	03:50	CST-6	Thunderstorm Wind	61 kts. EG	0	0	35.00K	0.00K
RUTHERFORD CO.	RUTHERFORD CO.	TN	01/30/2013	03:51	CST-6	Thunderstorm Wind	55 kts. EG	0	0	10.00K	0.00K
RUTHERFORD CO.	RUTHERFORD CO.	TN	01/30/2013	04:11	CST-6	Thunderstorm Wind	55 kts. EG	0	0	15.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	01/31/2013	22:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	02/02/2013	04:00	CST-6	Winter Weather		0	0	0.00K	0.00K
PLAINVIEW	RUTHERFORD CO.	TN	03/18/2013	11:12	CST-6	Tornado	EF0	0	0	50.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	03/25/2013	09:00	CST-6	Winter Weather		0	0	0.00K	0.00K
SANDHILL	RUTHERFORD CO.	TN	04/11/2013	16:30	CST-6	Flood		0	0	0.00K	0.00K
LA VERGNE	RUTHERFORD CO.	TN	04/27/2013	11:30	CST-6	Flash Flood		0	0	10.00K	0.00K
ROCKY FORK	RUTHERFORD CO.	TN	04/27/2013	23:00	CST-6	Flash Flood		0	0	100.00K	0.00K
RUCKER	RUTHERFORD CO.	TN	05/04/2013	09:00	CST-6	Flood		0	0	0.00K	0.00K

ROYER ESTATES	RUTHERFORD CO.	TN	05/06/2013	09:00	CST-6	Flood		0	0	0.00K	0.00K
MILTON	RUTHERFORD CO.	TN	05/19/2013	15:12	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
SMYRNA ARPT	RUTHERFORD CO.	TN	05/21/2013	12:05	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
SMYRNA ARPT	RUTHERFORD CO.	TN	05/21/2013	12:09	CST-6	Thunderstorm Wind	66 kts. MG	0	0	0.00K	0.00K
LA VERGNE	RUTHERFORD CO.	TN	06/10/2013	13:57	CST-6	Thunderstorm Wind	52 kts. EG	0	0	10.00K	0.00K
OVERALL	RUTHERFORD CO.	TN	06/10/2013	14:11	CST-6	Thunderstorm Wind	52 kts. EG	0	0	0.00K	0.00K
OVERALL	RUTHERFORD CO.	TN	06/10/2013	14:12	CST-6	Thunderstorm Wind	56 kts. EG	0	0	20.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	06/10/2013	14:20	CST-6	Thunderstorm Wind	52 kts. EG	0	0	15.00K	0.00K
MT OLIVE	RUTHERFORD CO.	TN	06/10/2013	14:20	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
DOUBLE SPGS	RUTHERFORD CO.	TN	06/10/2013	14:22	CST-6	Thunderstorm Wind	52 kts. EG	0	0	5.00K	0.00K
BARFIELD	RUTHERFORD CO.	TN	06/10/2013	14:24	CST-6	Thunderstorm Wind	52 kts. EG	0	0	1.00K	0.00K
CHRISTIANA	RUTHERFORD CO.	TN	06/20/2013	15:27	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	07/01/2013	13:25	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
WALTERHILL	RUTHERFORD CO.	TN	07/10/2013	17:20	CST-6	Thunderstorm Wind	50 kts. EG	0	0	4.00K	0.00K
SILVER HILL	RUTHERFORD CO.	TN	07/10/2013	17:20	CST-6	Thunderstorm Wind	50 kts. EG	0	0	1.00K	0.00K
BARFIELD	RUTHERFORD CO.	TN	07/10/2013	18:00	CST-6	Lightning		0	0	1.00K	0.00K
FOSTERVILLE	RUTHERFORD CO.	TN	07/10/2013	18:16	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
CHRISTIANA	RUTHERFORD CO.	TN	07/10/2013	18:20	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	10/31/2013	12:00	CST-6	High Wind	52 kts. EG	0	0	20.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	12/09/2013	21:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	12/21/2013	21:25	CST-6	Strong Wind	43 kts. EG	0	0	10.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	12/21/2013	21:55	CST-6	Thunderstorm Wind	61 kts. EG	0	0	10.00K	0.00K
SEWART AFB	RUTHERFORD CO.	TN	12/21/2013	21:56	CST-6	Thunderstorm Wind	61 kts. EG	0	0	200.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	12/21/2013	21:58	CST-6	Thunderstorm Wind	52 kts. EG	0	0	10.00K	0.00K
LEANNA	RUTHERFORD CO.	TN	12/21/2013	22:11	CST-6	Thunderstorm Wind	52 kts. EG	0	0	1.00K	0.00K
WALTERHILL	RUTHERFORD CO.	TN	12/21/2013	22:13	CST-6	Thunderstorm Wind	52 kts. EG	0	0	1.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	01/05/2014	20:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	02/12/2014	06:00	CST-6	Winter Weather		0	0	0.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	02/20/2014	20:20	CST-6	Thunderstorm Wind	61 kts. EG	0	0	0.00K	0.00K
LITTLE HOPE	RUTHERFORD CO.	TN	02/20/2014	20:22	CST-6	Thunderstorm Wind	56 kts. EG	0	0	10.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	02/20/2014	20:24	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
DOUBLE SPGS	RUTHERFORD CO.	TN	02/20/2014	20:51	CST-6	Thunderstorm Wind	52 kts. EG	0	0	2.00K	0.00K
BIG SPGS	RUTHERFORD CO.	TN	02/20/2014	21:20	CST-6	Thunderstorm Wind	52 kts. EG	0	0	2.00K	0.00K

RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	02/12/2014	06:00	CST-6	Winter Weather		0	0	0.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	02/20/2014	20:20	CST-6	Thunderstorm Wind	61 kts. EG	0	0	0.00K	0.00K
LITTLE HOPE	RUTHERFORD CO.	TN	02/20/2014	20:22	CST-6	Thunderstorm Wind	56 kts. EG	0	0	10.00K	0.00K
SMYRNA	RUTHERFORD CO.	TN	02/20/2014	20:24	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
DOUBLE SPGS	RUTHERFORD CO.	TN	02/20/2014	20:51	CST-6	Thunderstorm Wind	52 kts. EG	0	0	2.00K	0.00K
BIG SPGS	RUTHERFORD CO.	TN	02/20/2014	21:20	CST-6	Thunderstorm Wind	52 kts. EG	0	0	2.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	03/02/2014	20:00	CST-6	Winter Weather		0	0	0.00K	0.00K
SANDHILL	RUTHERFORD CO.	TN	04/04/2014	05:06	CST-6	Thunderstorm Wind	70 kts. EG	0	0	25.00K	0.00K
CHRISTIANA	RUTHERFORD CO.	TN	04/04/2014	05:20	CST-6	Thunderstorm Wind	52 kts. EG	0	0	1.00K	0.00K
BIG SPGS	RUTHERFORD CO.	TN	04/27/2014	12:58	CST-6	Thunderstorm Wind	43 kts. EG	0	0	5.00K	0.00K
EAGLEVILLE	RUTHERFORD CO.	TN	06/07/2014	17:55	CST-6	Thunderstorm Wind	52 kts. EG	0	0	0.00K	0.00K
RUCKER	RUTHERFORD CO.	TN	06/07/2014	19:05	CST-6	Thunderstorm Wind	48 kts. EG	0	0	1.00K	0.00K
EAGLEVILLE	RUTHERFORD CO.	TN	07/08/2014	17:15	CST-6	Hail	0.88 in.	0	0	0.00K	0.00K
ROCKY FORK	RUTHERFORD CO.	TN	07/14/2014	16:20	CST-6	Thunderstorm Wind	50 kts. EG	0	0	0.00K	0.00K
J PERCY PRIEST RES S	RUTHERFORD CO.	TN	08/07/2014	19:05	CST-6	Thunderstorm Wind	52 kts. EG	0	0	5.00K	0.00K
J PERCY PRIEST RES S	RUTHERFORD CO.	TN	08/20/2014	14:40	CST-6	Thunderstorm Wind	65 kts. EG	0	0	25.00K	0.00K
J PERCY PRIEST RES S	RUTHERFORD CO.	TN	08/20/2014	14:45	CST-6	Thunderstorm Wind	56 kts. EG	0	0	10.00K	0.00K
J PERCY PRIEST RES S	RUTHERFORD CO.	TN	08/20/2014	15:00	CST-6	Thunderstorm Wind	52 kts. EG	0	0	5.00K	0.00K
WALTERHILL	RUTHERFORD CO.	TN	10/06/2014	17:25	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
LITTLE HOPE	RUTHERFORD CO.	TN	10/06/2014	17:25	CST-6	Hail	0.75 in.	0	0	0.00K	0.00K
LASCASSAS	RUTHERFORD CO.	TN	10/06/2014	17:32	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
LASCASSAS	RUTHERFORD CO.	TN	10/06/2014	17:35	CST-6	Hail	1.75 in.	0	0	0.00K	0.00K
OVERALL	RUTHERFORD CO.	TN	10/06/2014	18:35	CST-6	Hail	1.50 in.	0	0	0.00K	0.00K
KITRELL	RUTHERFORD CO.	TN	10/06/2014	18:49	CST-6	Hail	1.00 in.	0	0	0.00K	0.00K
LA VERGNE	RUTHERFORD CO.	TN	10/13/2014	17:25	CST-6	Thunderstorm Wind	52 kts. EG	0	0	1.00K	0.00K
GREENWOOD	RUTHERFORD CO.	TN	10/14/2014	04:00	CST-6	Flood		0	0	10.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	01/23/2015	18:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	02/16/2015	00:00	CST-6	Winter Storm		0	0	100.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	02/18/2015	01:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	02/20/2015	12:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	02/25/2015	12:00	CST-6	Winter Weather		0	0	0.00K	0.00K
RUTHERFORD (ZONE)	RUTHERFORD (ZONE)	TN	03/04/2015	17:00	CST-6	Winter Weather		0	0	0.00K	0.00K
ALMAVILLE	RUTHERFORD CO.	TN	04/03/2015	16:53	CST-6	Thunderstorm Wind	52 kts. EG	0	0	3.00K	0.00K
MURFREESBORO	RUTHERFORD CO.	TN	04/03/2015	17:04	CST-6	Thunderstorm Wind	52 kts. EG	0	0	5.00K	0.00K
Totals:								2	0	11.575M	145.00K

FACILITY**Address****Jurisdiction**

Airport-Murfreesboro	1930 Memorial Blvd	Murfreesboro
Airport-Smyrna	278 Doug Warpoole Road	Smyrna
Alvin C. York VA Medical Center	3400 Lebanon Pike	Murfreesboro
Ambulance Service-Administration	611 E. Lytle Street	Murfreesboro
Ambulance Service-Blackman Station	579 Fortress Boulevard	Murfreesboro
Ambulance Service-Burton Street Station	606 East Burton Street	Murfreesboro
Ambulance Service-Christiana Station	124 Stones River Road	Murfreesboro
Ambulance Service-Dispatch Service	2300 South Park Drive	Murfreesboro
Ambulance Service-Eagleville Station	504 Highway 99	Eagleville
Ambulance Service-LaVergne Station	119 Floyd Mayfield Drive	LaVergne
Ambulance Service-Manchester Hwy. Station	10808 Manchester Pike	Christiana
Ambulance Service-MTSU Station	676 N. Rutherford Boulevard	Murfreesboro
Ambulance Service-Salem Road Station	910 Old Salem Road	Murfreesboro
Ambulance Service-Siegel Station	435 West Thompson Lane	Murfreesboro
Ambulance Service-Smyrna Central Station	400 Enon Springs Road	Smyrna
Ambulance Service-Smyrna West Station	934 One Mile Lane	Smyrna
Ambulance Service-Special Operations Bldg.	585 Fortress Boulevard	Murfreesboro
Ambulance Service-Stonecrest Station	400 Stonecrest Drive	Smyrna
Amerigas	4505 Singer Road	Murfreesboro
Animal Control	285 John Rice Boulevard	Murfreesboro
Army Aviation Support Facility		Smyrna
Army National Guard	2350 Armory Drive	Murfreesboro
ATMOS Energy	334 W. Lokey Avenue	Murfreesboro
Bellsouth	333 Commerce Street	Nashville
Budget & Finance	Courthouse, Room 201	Murfreesboro
City Hall Eagleville	126 South Main Street	Eagleville
City Hall Murfreesboro	111 West Vine Street	Murfreesboro
City Hall-Lavergne	5093 Murfreesboro Road	Lavergne
City Manager Murfreesboro	111 West Vine Street	Murfreesboro
Colonial Pipeline Company	1000 Moreland Lane	Murfreesboro
Community Care	901 County Farm Road	Murfreesboro
Communications Tower & Generator Tiger Hill	3833 Annelle Drive	Murfreesboro
Communications Tower & Generator Lynch Hill	10275 Lynch Hill Road	Rutherford County
Communications Tower & Generator Milton	7400 Milton Road	Rutherford County
Communications Tower & Generator Moore Hill	2409 Rock Springs Road	Smyrna
Communications Tower & Generator Sheriff Dept	940 Detention Drive	Murfreesboro
Communications Tower & Generator Bradyville	9746 Bradyville Pike	Rutherford County
Communications Tower & Generator Hutson	7138 Hutson Road	Rutherford County
Communications Tower & Generator Eagleville	806 South Main Street	Eagleville
Consolidated Utility District	709 New Salem Highway	Murfreesboro

Correction Department	1711-C Old Fort Parkway	Murfreesboro
CSX Depot	West Main Street	Murfreesboro
District Attorney	320 West Main Street, Ste. 100	Murfreesboro
DTS Communications	111 High Street	Alexandria
Emergency 9-1-1	591 Fortress Blvd	Murfreesboro
Emergency Management Agency	1220 West College Street	Murfreesboro
Fire Department-County-Station #1	2785 Barfield Road	Murfreesboro
Fire Department-County-Station #2	5632 Old Salem Road	Rockvale
Fire Department-County-Station #3	5500 Elam Road	Murfreesboro
Fire Department-County – Station #4	8933 Rockvale Road	Rockvale
Fire Department-County-Station #5	854 East Jefferson Pike	Murfreesboro
Fire Department-County-Training Center	1504 West College Street	Murfreesboro
Fire-Department-County-Station #6	585 Fortress Boulevard	Murfreesboro
Fire Department-County-Station #23	10812 Manchester Highway	Christiana
Fire Department-County-Station #24	3999 Rock Springs Midland Road	Christiana
Fire Department-County-Station #26	4303 Sulphur Springs Road	Murfreesboro
Fire Department-County-Station #27	7277 Mona Road	Murfreesboro
Fire Department-LaVergne-Station #1	169 Stones River Road	LaVergne
Fire Department-LaVergne-Station #2	609 Waldron Road	LaVergne
Fire Department-LaVergne-Station #3	Bill Stewart Boulevard	LaVergne
Fire Department-Murfreesboro-Administration	220 NW Broad Street	Murfreesboro
Fire Department-Murfreesboro-Headquarters	202 East Vine Street	Murfreesboro
Fire Department-Murfreesboro-Station #2	2880 Runnymede Drive	Murfreesboro
Fire Department-Murfreesboro-Station #3	1511 Mercury Boulevard	Murfreesboro
Fire Department-Murfreesboro-Station #4	1311 Jones Boulevard	Murfreesboro
Fire Department-Murfreesboro-Station #5	3006 Florence Road	Murfreesboro
Fire Department-Murfreesboro-Station #6	2302 Memorial Boulevard	Murfreesboro
Fire Department-Murfreesboro-Station #7	2715 N. Thompson Lane	Murfreesboro
Fire Department-Murfreesboro-Station #8	1730 E. Northfield Boulevard	Murfreesboro
Fire Department-Murfreesboro-Station #9	802 Cason Lane	Murfreesboro
Fire Department-Murfreesboro-Station #10	2563 Veterans Parkway	Murfreesboro
Fire Department-Smyrna-Station #1	401 W. Enon Springs Road	Smyrna
Fire Department-Smyrna-Station #2	644 Fitzhugh Boulevard	Smyrna
Fire Department-Smyrna-Station #3	630 E. Enon Springs Road	Smyrna
Fire Department-Smyrna-Station #4	145 South Lowry Street	Smyrna
Fire Department-Smyrna-Station #5	2200 Rock Springs Road	Smyrna
Fire Department-Smyrna-Station #6	3240 Morton Lane	Smyrna
Fire Department-Volunteer-Almaville-Station #1	911 One Mile Lane	Smyrna
Fire Department-Volunteer-Almaville-Station #2	7691 Almaville Road	Arrington
Fire Department-Volunteer-Almaville-Station #3	5212 Weakley Lane	Mount Juliet
Fire Department-Volunteer-Christiana-Station #1	4031 Sledge Road	Christiana
Fire Department-Volunteer-Christiana-Station #2	1370 Daniel Street	Christiana
Fire Department-Volunteer-Eagleville	126 South Main Street	Eagleville

Fire Department-Volunteer-Fosterville Midland-Station #1	1264 Fosterville Short Creek Road	Bell Buckle
Fire Department-Volunteer-Fosterville Midland-Station #2	2517 Fosterville Midland Road	Bell Buckle
Fire Department-Volunteer-Kittrell-Station #1	8067 Woodbury Pike	Readyville
Fire Department-Volunteer-Kittrell-Station #2	3600 Woodbury Pike	Murfreesboro
Fire Department-Volunteer-Lascassas-Station#1	6531 Lascassas Pike	Lascassas
Fire Department-Volunteer-Lascassas-Station #2	11381 Lascassas Pike	Milton
Health Department-Eagleville	341 South Main Street	Eagleville
Health Department-Murfreesboro	100 West Burton Street	Murfreesboro
Health Department-Smyrna	108 David Collins Drive	Smyrna
Heritage Propane	825 Spur Street	Murfreesboro
Highway Department	1510 Rutledge Way	Murfreesboro
Horton Highway Utility District	P. O. Box 85	Chapel Hill
Human Services	1711-B Old Fort Parkway	Murfreesboro
Information Technology	Courthouse, Room 104	Murfreesboro
Interior Department of National Park Service	3501 Old Nashville Highway	Murfreesboro
Jail	940 New Salem Highway	Murfreesboro
Judicial Building	20 Public Square North	Murfreesboro
Juvenile Detention	1710 South Church Street, Ste.	Murfreesboro
Juvenile Service Center	1710 South Church Street	Murfreesboro
Landfill	6000 Landfill Road	Murfreesboro
LaVergne Water Department	5093 Murfreesboro Road	Lavergne
Mayor-County	Courthouse, Room 101	Murfreesboro
Mayor-Eagleville	126 South Main Street	Eagleville
Mayor-LaVergne	5093 Murfreesboro Road	LaVergne
Mayor-Murfreesboro	111 West Vine Street	Murfreesboro
Mayor-Smyrna	315 S Lowry Street	Smyrna
Middle Tennessee Electric-Corporate Office	555 New Salem Road	Murfreesboro
Middle Tennessee Electric-District Office	326 St. Andrews Drive	Murfreesboro
Middle Tennessee Electric-Smyrna Branch Office	317 South Lowry Street	Smyrna
Middle Tennessee Electric-Substations (8)	On File with Local EMA	
Middle Tennessee Medical Center	400 North Highland Avenue	Murfreesboro
Middle Tennessee Natural Gas Utility District	106 West High Street	Woodbury
Murfreesboro City Schools-Central Office	2552 South Church Street	Murfreesboro
Murfreesboro Electric Department-Main Office	205 North Walnut Street	Murfreesboro
Murfreesboro Electric Department-Substations (11)	On File with Local EMA	
Murfreesboro Medical Clinic	1004 North Highland Avenue	Murfreesboro
Murfreesboro Medical Clinic	1272 Garrison Drive	Murfreesboro
Murfreesboro Water and Sewer	300 NW Broad Street	Murfreesboro
Murfreesboro Water Treatment	5528 Sam Jared Drive	Murfreesboro
Murfreesboro Water Treatment-Field Operations	1725 S. Church Street	Murfreesboro
Nashville Electric	1214 Church Street	Nashville
Nashville Gas	665 Mainstream Drive	Nashville
Police Department-LaVergne	5093 Murfreesboro Road	Lavergne

Police Department-Murfreesboro	302 South Church Street	Murfreesboro
Police Department-Murfreesboro Annex	317 January Street, Apt. A	Murfreesboro
Police Department-Murfreesboro Annex	509 Vaughn Street, Apt. K	Murfreesboro
Police Department-Smyrna	400 E. Enon Springs Road	Smyrna
Post Office-Christiana	1091 Church Street	Christiana
Post Office-Lascassas	4682 East Jefferson Pike	Lascassas
Post Office-Murfreesboro	2255 Memorial Boulevard	Murfreesboro
Post Office-Smyrna	250 Mayfield Drive	Smyrna
Post Office-S. Church Street	825 South Church Street	Murfreesboro
Public Works-LaVergne	147 International Boulevard	Lavergne
Sheriff's Department	940 New Salem Highway	Murfreesboro
Sheriff's Department-Eagleville	126 South Main Street	Eagleville
Smyrna Water, Sewer & Gas	315 S. Lowry Street	Smyrna
Solid Waste-County	1220 West College Street	Murfreesboro
Solid Waste-Murfreesboro	4765 Florence Road	Murfreesboro
Stonecrest Medical Center	200 Stonecrest Boulevard	Smyrna
Street Department-Murfreesboro	620 West Main Street	Murfreesboro
Street Department-Smyrna	104 G Street	Smyrna
TDS Telecom	PO Box 100	LaVergne
TN State Veterans Home	345 Compton Road	Murfreesboro
Transportation Department	320 Battle Avenue	Murfreesboro
Workhouse	1720 South Church Street	Murfreesboro
Smyrna Town Hall & Manager	315 S Lowry St	Smyrna
Adams Place Independent	1925 Memorial Boulevard	Murfreesboro
Adams Place Assisted Living	1927 Memorial Boulevard	Murfreesboro
Azalea Court Assisted Living	207 Commerce Drive	Smyrna
Broadmore Assisted Living	3211 Memorial Boulevard	Murfreesboro
Boulevard Terrace	1530 Middle TN Boulevard	Murfreesboro
Community Care of Rutherford County	901 County Farm Road	Murfreesboro
Mayfield Rehab	200 Mayfield Drive	Smyrna
Mayfield Manor	400 Mayfield Circle	Smyrna
NHC Healthcare	420 North University Street	Murfreesboro
Northside Healthcare	202 East MTCS Road	Murfreesboro
Park View Meadows	240 East MTCS Road	Murfreesboro
Christian Care Center	202 East Enon Springs Road	Smyrna
Stones River Manor	205 Haynes Drive	Murfreesboro
Stones River Apartments	205 Warrior Drive	Murfreesboro
Sunnington Assisted Living	1658 Lascassas Pike	Murfreesboro
Sunnington Senior Care Unit	2045 Gold Valley Drive	Murfreesboro
Tennessee Rehab Center	460 9th Avenue	Smyrna
Tennessee State Veterans Home	345 Compton Road	Murfreesboro
Waterford Assisted Living	10540 Stan Circle	Smyrna
Sherwood Forest	200 Friar Tuck Cir	Smyrna
The Arbors at Azalea	205 Commerce Dr	Smyrna
Barfield Elementary	350 Veterans Parkway	Murfreesboro

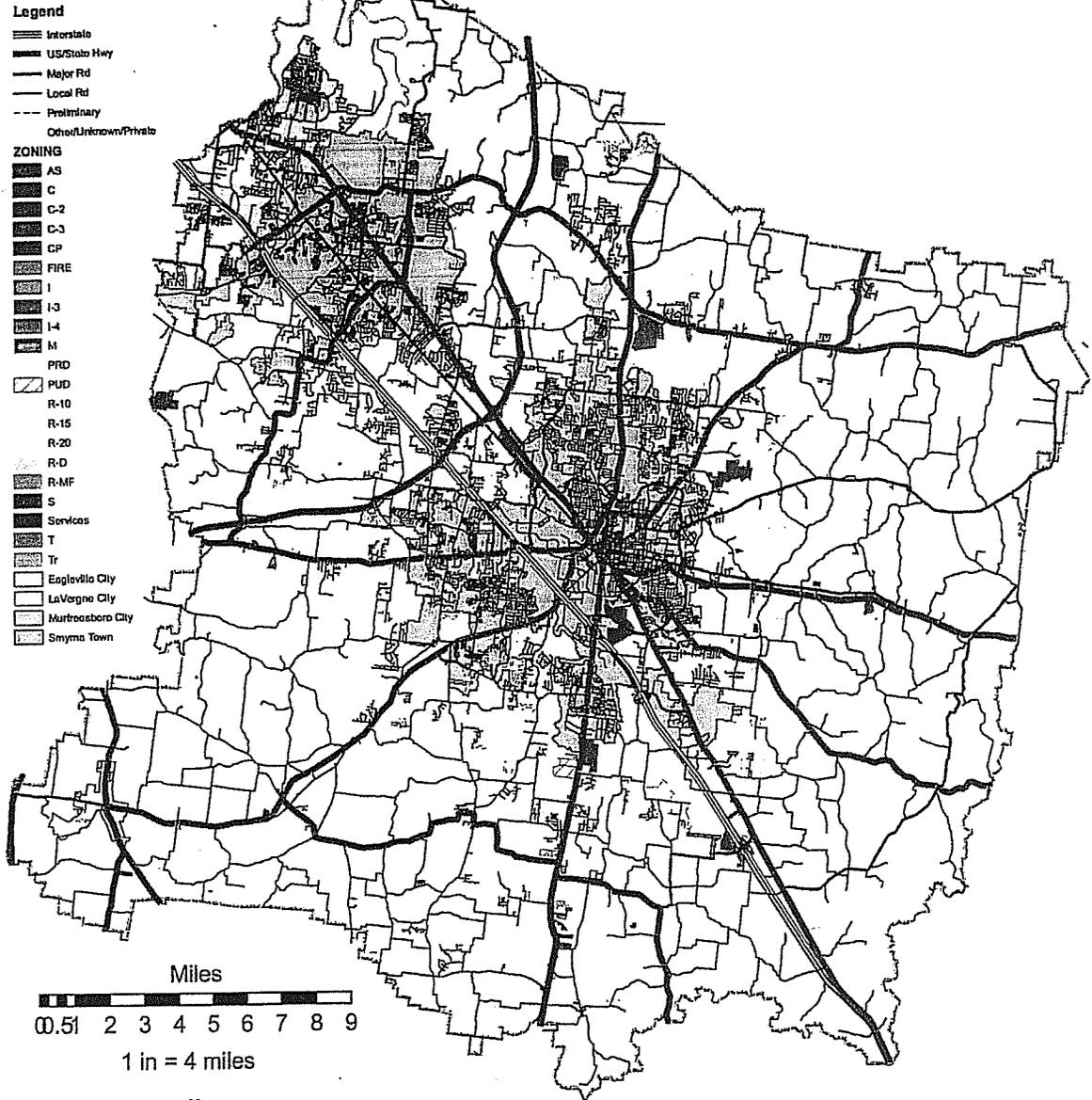
Bellwood Christian Academy	1140 Middle TN Boulevard	Murfreesboro
Bill Rice Christian Academy	627 Bill Rice Ranch Road	Murfreesboro
Black Fox Elementary	1753 South Rutherford Blvd.	Murfreesboro
Blackman Elementary	586 Fortress Boulevard	Murfreesboro
Blackman Middle School	3945 Blaze Drive	Murfreesboro
Blackman High School	3956 Blaze Drive	Murfreesboro
Bradley Academy	511 Mercury Boulevard	Murfreesboro
Brown's Chapel Elementary	6128 Baker Road	Murfreesboro
Buchanan Elementary	6050 Manchester Pike	Murfreesboro
Cason Lane Academy	1330 Cason Lane	Murfreesboro
Cedar Grove Elementary	354 Chaney Road	Smyrna
Central Magnet School	701 East Main Street	Murfreesboro
Christiana Elementary	4701 Shelbyville Highway	Christiana
Christiana Middle School	4675 Shelbyville Highway	Christiana
David Youree Elementary	250 Todd Lane	Smyrna
Discovery School at Bellwood	1165 Middle Tennessee Blvd.	Murfreesboro
Eagleville School-K-12	500 Highway 99	Eagleville
Erma Siegel Elementary	135 West Thompson Lane	Murfreesboro
Franklin Road Christian School	3124 Franklin Road	Murfreesboro
Hobgood Elementary	307 South Baird Lane	Murfreesboro
Holloway High School	619 South Highland Avenue	Murfreesboro
Homer Pittard Campus	923 East Lytle Street	Murfreesboro
John Coleman Elementary	100 Wise Drive	Smyrna
John Pittard Elementary	745 DeJarnette Lane	Murfreesboro
Kittrell Elementary	7801 Woodbury Highway	Readyville
Lancaster Christian Academy	150 Soccer Way	Smyrna
Lascassas Elementary	6300 Lascassas Pike	Lascassas
LaVergne High School	250 Wolverine Trail	LaVergne
LaVergne Lake Elementary	201 Davids Way	LaVergne
LaVergne Middle	382 Stones River Road	LaVergne
LaVergne Primary	220 Stones River Road	LaVergne
McFadden School of Excellence	211 Bridge Avenue	Murfreesboro
Mitchell-Neilson Elementary	711 West Clark Boulevard	Murfreesboro
Mitchell-Neilson Primary	1303 Jones Boulevard	Murfreesboro
Middle Tennessee Christian School	100 East MTCS Road	Murfreesboro
Middle Tennessee State University	1301 East Main Street	Murfreesboro
Motlow State Community College	5002 Mason Tucker Drive	Smyrna
Northfield Elementary	550 West Northfield Blvd.	Murfreesboro
Oakland High School	2225 Patriot Drive	Murfreesboro
Oakland Middle School	853 Dejarnette Lane	Murfreesboro
Overall Creek Elementary	429 Otter Trail	Murfreesboro
Providence Christian Academy	410 Dejarnett Lane	Murfreesboro
Reeves-Rogers, The Discovery School	1807 Greenland Drive	Murfreesboro
Riverdale High School	802 Warrior Drive	Murfreesboro
Rock Springs Elementary	1000 Waldron Road	LaVergne

Rock Springs Middle School	3301 Rock Springs Road	Smyrna
Rockvale Elementary	6550 Highway 99	Rockvale
Rockvale Middle School	6543 Highway 99	Rockvale
Roy Waldron School	125 Floyd Mayfield Drive	LaVergne
Rutherford Academy	2320 Southgate Boulevard	Murfreesboro
Saint Rose of Lima Catholic School	1601 North TN Boulevard	Murfreesboro
Scales Elementary	2340 St. Andrews Drive	Murfreesboro
Siegel Elementary	135 W. Thompson Lane	Murfreesboro
Siegel Middle School	355 West Thompson Lane	Murfreesboro
Siegel High School	3300 Siegel Road	Murfreesboro
Smyrna Christian School	112 Division Street	Smyrna
Smyrna Elementary	1001 Sam Davis Road	Smyrna
Smyrna High School	100 Bulldog Drive	Smyrna
Smyrna Middle School	712 Hazelwood Drive	Smyrna
Smyrna Primary School	200 Walnut Street	Smyrna
Smyrna West Alternative School	12619 Old Nashville Highway	Smyrna
Stewarts Creek Elementary	200 Red Hawk Parkway	Smyrna
Stewarts Creek High School	301 Red Hawk Parkway	Smyrna
Stewarts Creek Middle School	400 Red Hawk Parkway	Smyrna
Stewartboro Elementary	10479 Old Nashville Highway	Smyrna
Thurman Francis Arts Academy	221 Todd Lane	Smyrna
TN Technology Center at Murfreesboro	1303 Old Fort Parkway	Murfreesboro
Victory Christian Academy	1641 Middle TN Boulevard	Murfreesboro
Walter Hill School	6309 Lebanon Pike	Murfreesboro
Wilson Elementary	1545 Cutoff Road	Murfreesboro
Whitworth-Buchanan Middle School	5555 Manchester Pike	Murfreesboro

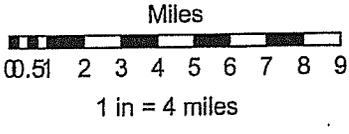
APPENDIX 6

Other Maps

Rutherford County Land Zoning

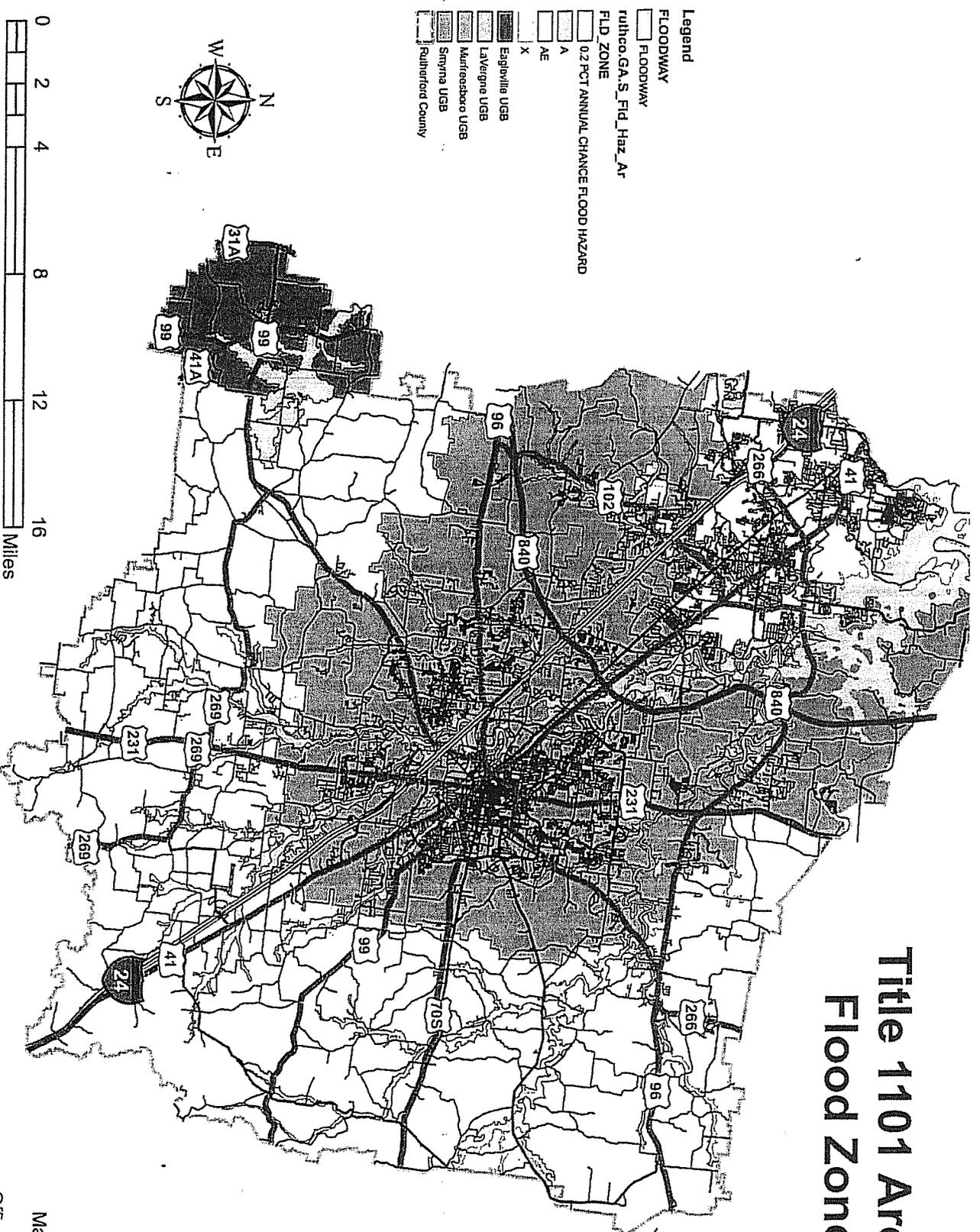


- Legend**
- Interstate
 - US/State Hwy
 - Major Rd
 - Local Rd
 - Preliminary
 - Other/Unknown/Private
- ZONING**
- AS
 - C
 - C-2
 - C-3
 - CP
 - FIRE
 - I
 - I-3
 - I-4
 - M
 - PRD
 - PUD
 - R-10
 - R-15
 - R-20
 - R-D
 - R-MF
 - S
 - Services
 - T
 - Tr
 - EagleVista City
 - LaVergne City
 - Murfreesboro City
 - Smyrna Town



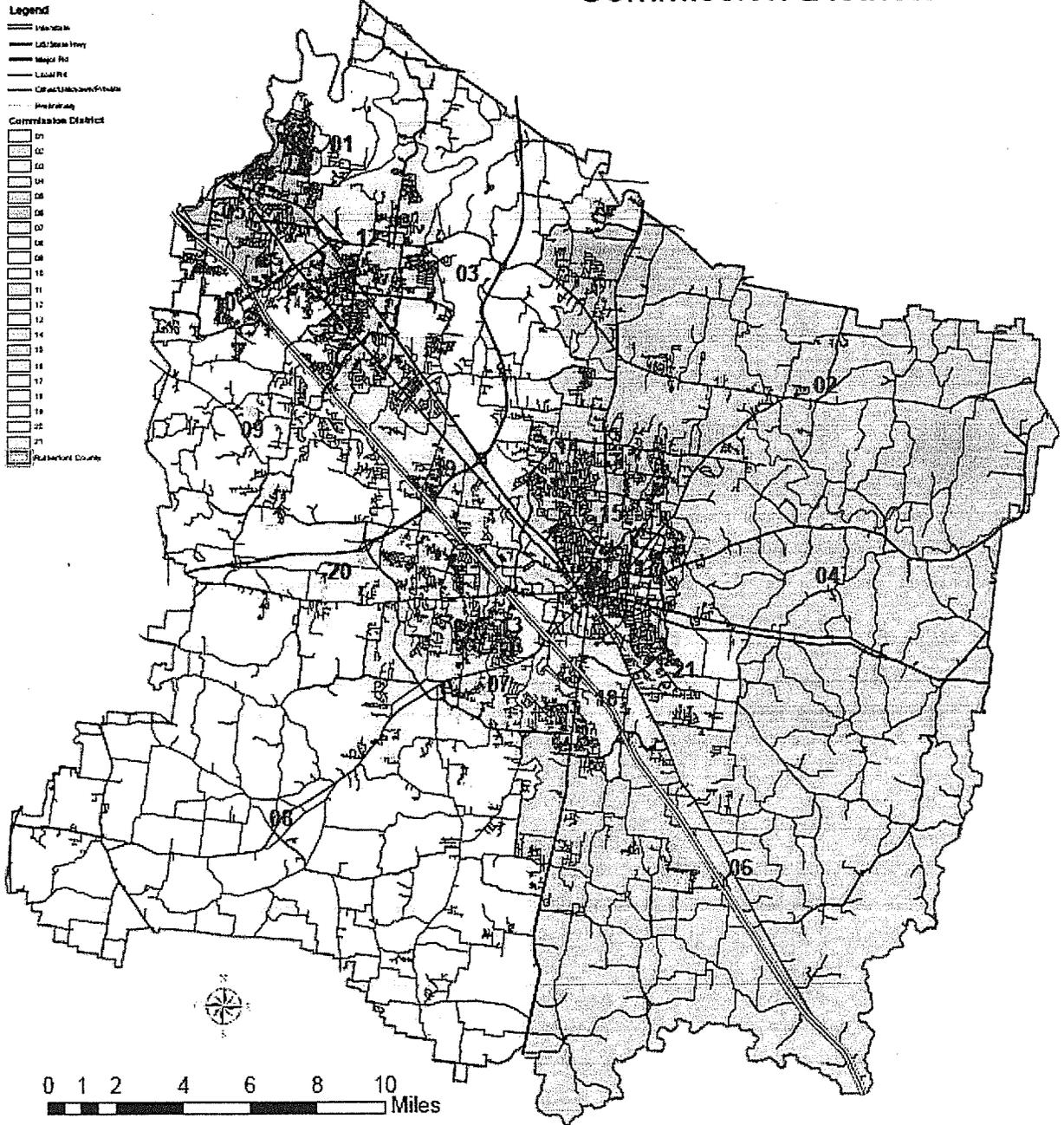
Map prepared by
 Mike Curtis
 Public Safety GIS Analyst
 Rutherford County GIS
 Office of Information Technology
 24 APR 2010

Title 1101 Areas and Flood Zone Map



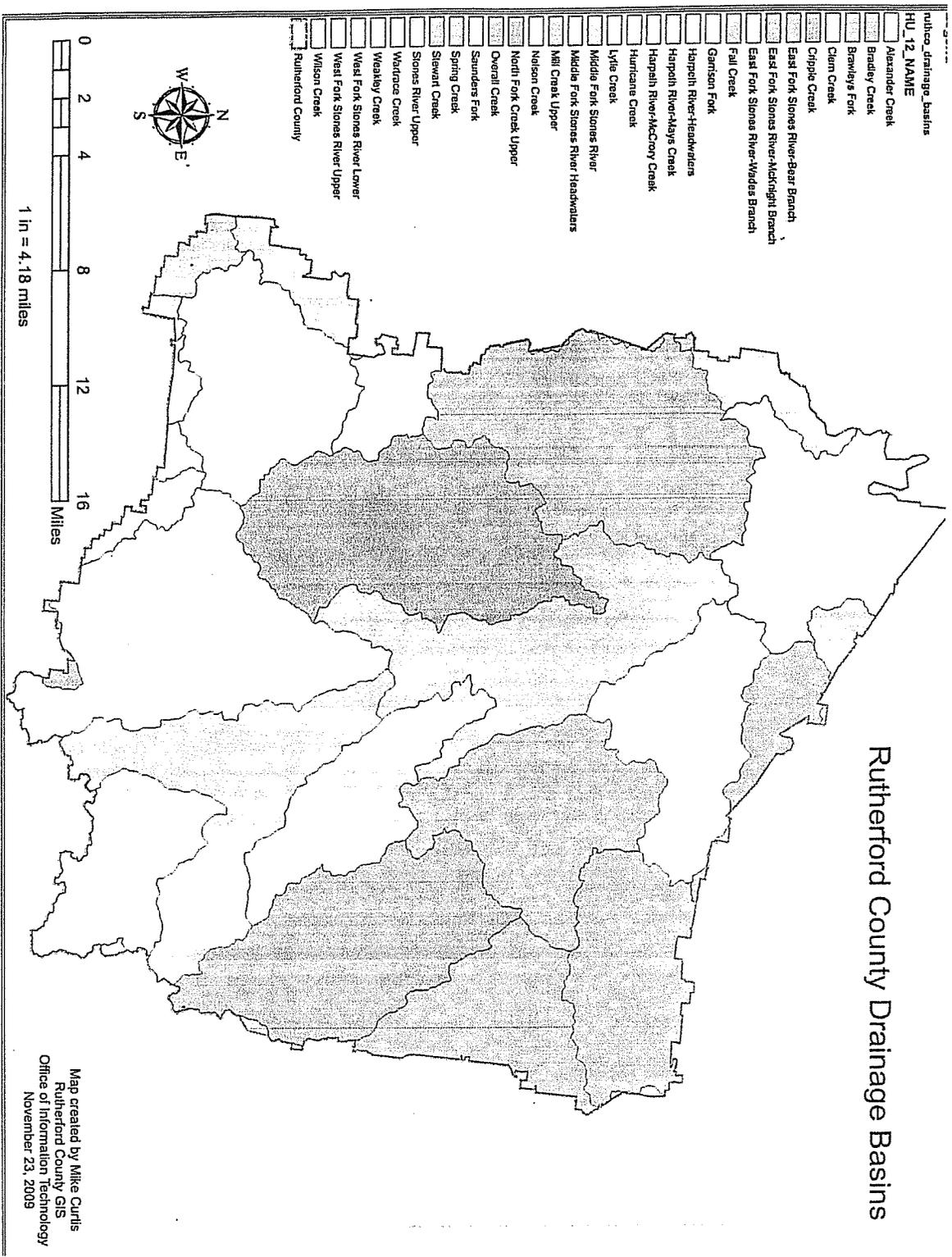
Map created by Mike Curtis
Rutherford County GIS
Office of Information Technology

Rutherford County Commission Districts



Mike Curtis, GISP
 Public Safety GIS Analyst
 Rutherford County GIS
 Office of Information Technology
 Date: 9/17/2015

Rutherford County Drainage Basins



Title 1101 Boundaries
as approved by the
Rutherford County Board of Commissioners

Legend

— Streets

Municipality

□ Eagleville

□ La Vergne

▨ Murfreesboro

□ Smyrna

Title 1101 Areas

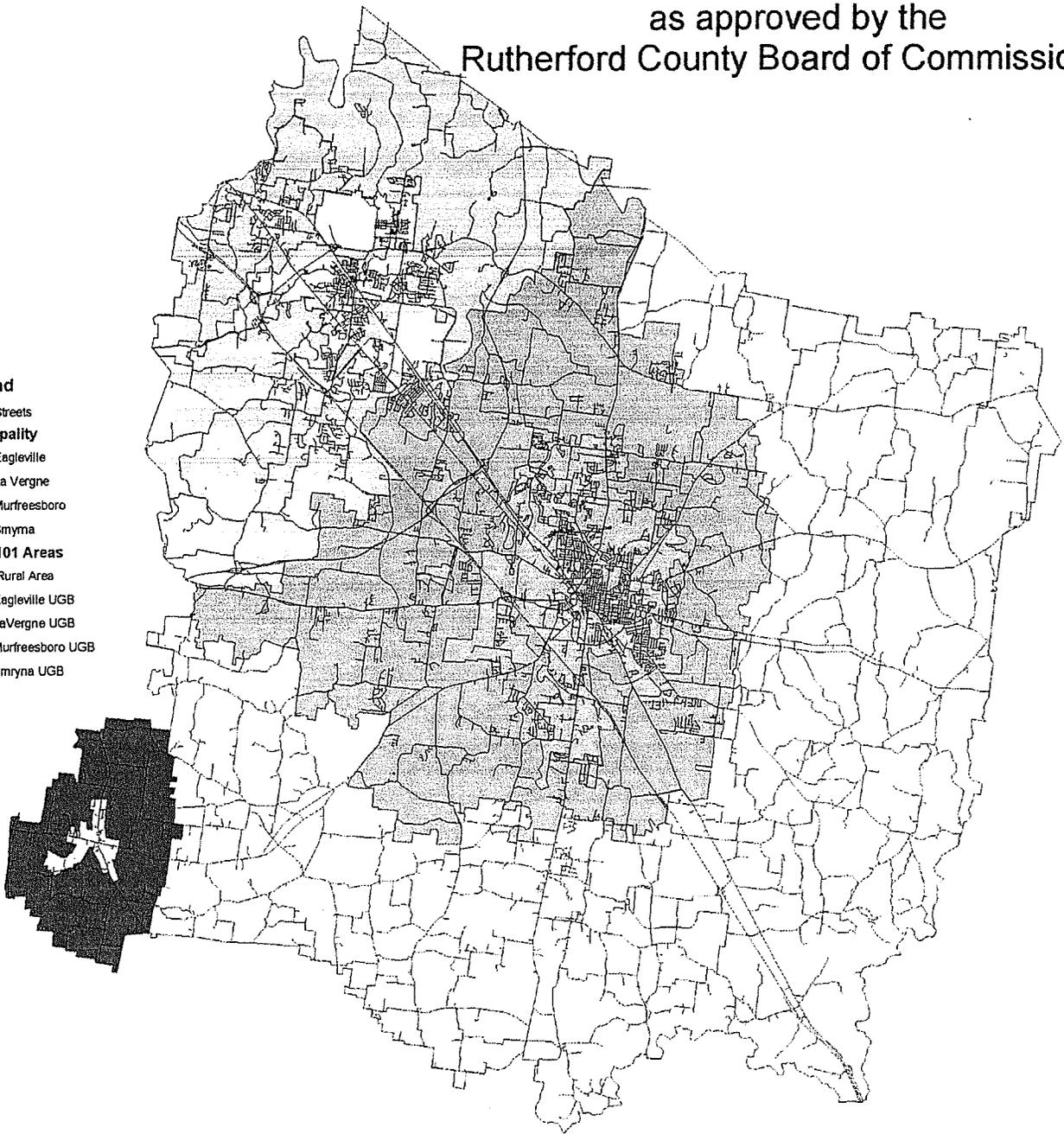
□ Rural Area

■ Eagleville UGB

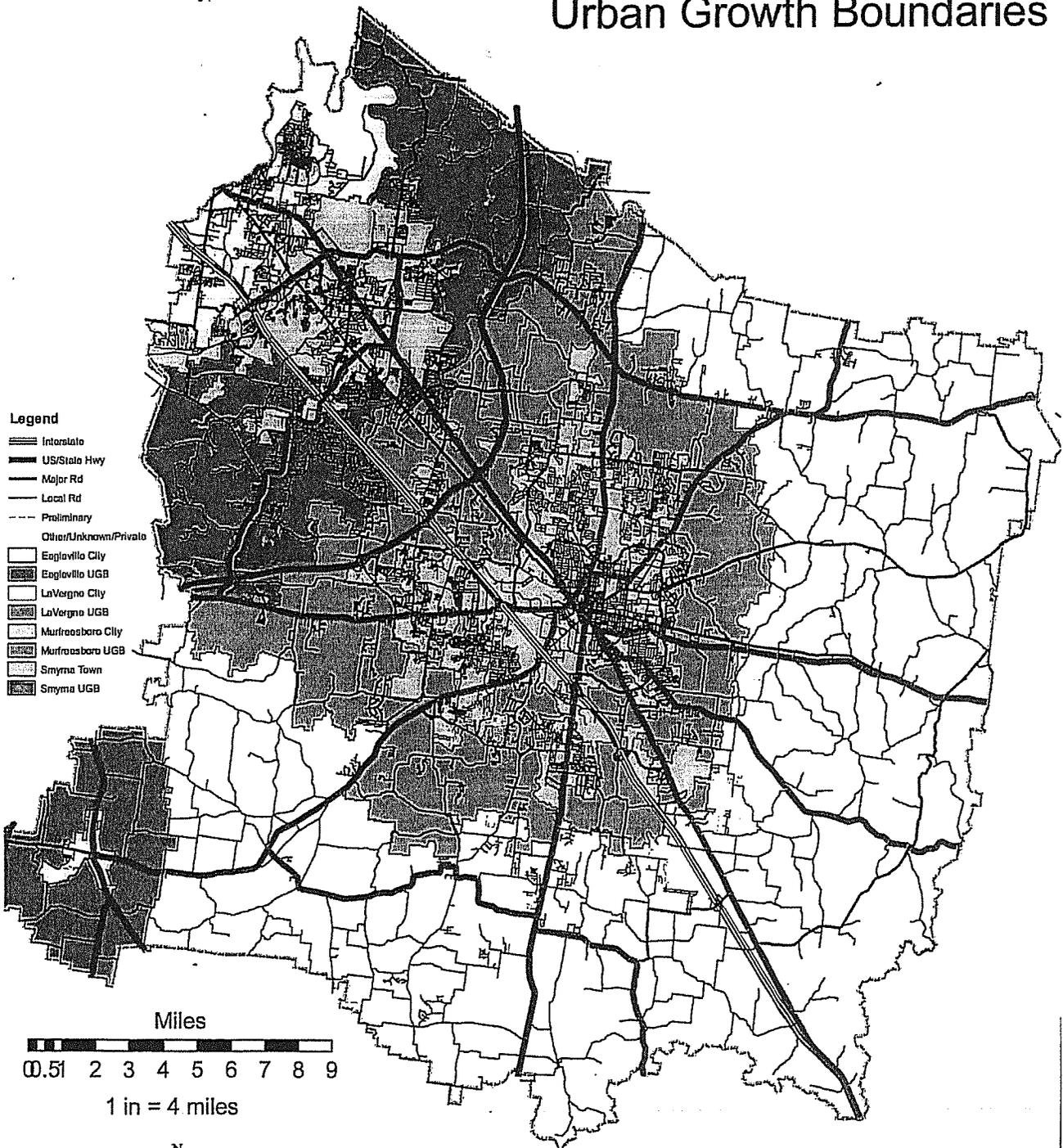
▨ LaVergne UGB

▨ Murfreesboro UGB

□ Smyrna UGB

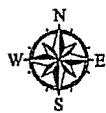


Rutherford County Urban Growth Boundaries



- Legend**
- Interstate
 - US/State Hwy
 - Major Rd
 - Local Rd
 - Preliminary
 - Other/Unknown/Private
 - Eagleville City
 - Eagleville UGB
 - LaVergne City
 - LaVergne UGB
 - Murfreesboro City
 - Murfreesboro UGB
 - Smyrna Town
 - Smyrna UGB

Miles
0.51 2 3 4 5 6 7 8 9
1 in = 4 miles



Map prepared by
Mike Curtis
Public Safety GIS Analyst
Rutherford County GIS
Office of Information Technology
31 MAR 2010

APPENDIX 7

Resolutions

2016 Plan Adoptions

UPDATE PLAN
LOCAL MUNICIPAL

RESOLUTION ADOPTING THE 2016 REVISION OF THE
RUTHERFORD COUNTY HAZARDOUS MITIGATION PLAN

WHEREAS, Rutherford County recognizes the threat that natural hazards pose to people and property; and

WHEREAS, undertaking hazardous mitigation actions before disasters occur will reduce the potential for harm to people and property and save taxpayer dollars; and

WHEREAS, an adopted hazardous mitigation plan is required as a condition of future grant funding for mitigation projects; and

WHEREAS, the Rutherford County Hazardous Mitigation Plan must be revised and approved on a scheduled period of every five years; and

WHEREAS, Rutherford County participated jointly in the planning process with the other local units of government within the County to prepare the Hazardous Mitigation Plan; and

WHEREAS, the Federal Emergency Management Agency has reviewed the revision of the Rutherford County Hazardous Mitigation Plan and determined that this revision is compliant with federal standards in 44 CFR 201.6(b)-(d) subject to formal community adoption.

NOW, THEREFORE, BE IT RESOLVED that the Rutherford County Board of Commissioners hereby adopts the 2016 Rutherford County Hazardous Mitigation Plan as an official plan, a copy of said Hazardous Mitigation Plan being attached hereto as Exhibit "1" and incorporated herein at length verbatim as if set forth herein.

BE IT FURTHER RESOLVED that the Rutherford County Emergency Management Agency will submit on behalf of the participating municipalities the adopted Hazardous Mitigation Plan to the Federal Emergency Management Agency officials through TEMA for final review and approval.

RESOLVED this 17th day of November, 2016.

RUTHERFORD COUNTY, TENNESSEE

ATTEST:



LISA DUKE CROWELL, County Clerk

BY: 

ERNEST G. BURGESS, Chairman

RESOLUTION #2011-02

A RESOLUTION ADOPTING THE 2010 REVISION OF THE RUTHERFORD COUNTY HAZARD MITIGATION PLAN.

Whereas, the City of La Vergne recognizes the threat that natural hazards pose to people and property; and

Whereas, undertaking hazard mitigation actions before disasters occur will reduce the potential for harm to people and property and save taxpayer dollars; and

Whereas, an adopted hazard mitigation plan is required as a condition of future grant funding for mitigation projects; and

Whereas, the Rutherford County Hazard Mitigation Plan must be revised and approved on a scheduled period of every five years; and

Whereas, the City of La Vergne participated jointly in the planning process with the other local units of government within the County to prepare the Hazard Mitigation Plan; and

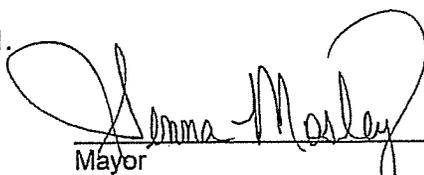
Whereas, in a letter dated December 16, 2010 that the Federal Emergency Management Agency has reviewed the revision of the Rutherford County Hazard Mitigation Plan and determined that this revision is compliant with federal standards in 44 CFR 201.6(b)-(d) subject to formal community adoption.

Now, therefore, be it resolved, that the City of La Vergne Board of Mayor and Aldermen, hereby adopts the 2010 Rutherford County Hazard Mitigation Plan as an official plan; and

Be it further resolved, that the Rutherford County Emergency Management Agency will submit on behalf of the participating municipalities the adopted Hazard Mitigation Plan to the Federal Emergency Management Agency officials through TEMA for final review and approval.

This resolution shall take effect immediately, the public welfare requiring it.

Adopted this the 6th day of January, 2011.



Mayor



City Recorder

**TOWN OF SMYRNA, TENNESSEE
RESOLUTION # 11-01**

A **RESOLUTION** adopting the 2010 Revision of the Rutherford County Hazard Mitigation Plan.

WHEREAS, the Town of Smyrna recognizes the threat that natural hazards pose to people and property; and

WHEREAS, undertaking hazard mitigation actions before disasters occur will reduce the potential for harm to people and property and save taxpayer dollars; and

WHEREAS, an adopted hazard mitigation plan is required as a condition of future grant funding for mitigation projects; and

WHEREAS, the Rutherford County Hazard Mitigation Plan must be revised and approved on a scheduled period of every five years; and

WHEREAS, the Town of Smyrna participated jointly in the planning process with the other local units of government within Rutherford County to prepare the Hazard Mitigation Plan; and

WHEREAS, in a letter dated December 16, 2010 that the Federal Emergency Management Agency has reviewed the revision of the Rutherford County Hazard Mitigation Plan and determined that this revision is compliant with federal standards in 44 CFR 201.6(b)-(d) subject to formal community adoption.

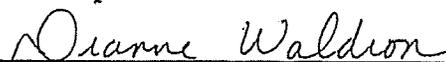
NOW, THEREFORE, BE IT RESOLVED, that the Town of Smyrna hereby adopts the 2010 Rutherford County Hazard Mitigation Plan as an official plan to the Federal Emergency Management Agency officials through TEMA for final review and approval.

ADOPTED by the Town Council 11th day of January, 2011.

TOWN OF SMYRNA, TENNESSEE



TONY DOVER, Mayor

ATTEST: 

DIANNE WALDRON, Town Clerk

RESOLUTION 11-R-01 adopting the 2010 Revision of the Rutherford County Hazard Mitigation Plan.

WHEREAS, The City of Murfreesboro recognizes the threat that natural hazards pose to people and property; and,

WHEREAS, undertaking hazard mitigation actions before disasters occur will reduce the potential for harm to people and property and save taxpayer dollars; and,

WHEREAS, an adopted hazard mitigation plan is required as a condition of future grant funding for mitigation projects; and,

WHEREAS, the Rutherford County Hazard Mitigation Plan must be revised and approved on a scheduled period of every five years; and,

WHEREAS, the City of Murfreesboro participated jointly in the planning process with other local units of government within the County to prepare the 2010 Revision of the Hazard Mitigation Plan; and,

WHEREAS, in a letter dated December 16, 2010, the Federal Emergency Management Agency advised that it has reviewed the revision of the Rutherford County Hazard Mitigation Plan and determined that this revision is compliant with federal standards in 44 CFR 201.6(b)-(d) subject to formal community adoption.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF MURFREESBORO, TENNESSEE, AS FOLLOWS:

SECTION 1. The City of Murfreesboro, Tennessee hereby adopts the 2010 Rutherford County Hazard Mitigation Plan as an official plan.

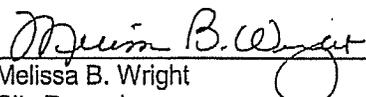
SECTION 2. The Rutherford County Emergency Management Agency will submit, on behalf of the participating municipalities, the adopted Hazard Mitigation Plan to Federal Emergency Management Agency officials through TEMA for final review and approval.

SECTION 3. This Resolution shall be effective immediately upon its passage and adoption, the public welfare and the welfare of the City requiring it.

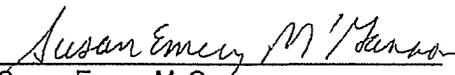
Passed: January 13, 2011


Tommy Bragg, Mayor

ATTEST:


Melissa B. Wright
City Recorder

APPROVED AS TO FORM:


Susan Emery McGarmon
City Attorney

Resolution Adopting the 2010 Revision of the Rutherford County
Hazard Mitigation Plan

Whereas, The City of Eagleville recognizes the threat that natural hazards pose to people and property; and

Whereas, undertaking hazard mitigation actions before disasters occur will reduce the potential for harm to people and property and save taxpayer dollars; and

Whereas, an adopted hazard mitigation plan is required as a condition of future grant funding for mitigation projects; and

Whereas, the Rutherford County Hazard Mitigation Plan must be revised and approved on a scheduled period of every five years; and

Whereas, The City of Eagleville participated jointly in the planning process with the other local units of government within the County to prepare the Hazard Mitigation Plan; and

Whereas, in a letter dated December 16, 2010 that the Federal Emergency Management Agency has reviewed the revision of the Rutherford County Hazard Mitigation Plan and determined that this revision is compliant with federal standards in 44 CFR 201.6(b)-(d) subject to formal community adoption.

Now, therefore, be it resolved, that the Eagleville City Council hereby adopts the 2010 Rutherford County Hazard Mitigation Plan as an official plan; and

Be it further resolved, that the Rutherford County Emergency Management Agency will submit on behalf of the participating municipalities the adopted Hazard Mitigation Plan to the Federal Emergency Management Agency officials through TEMA for final review and approval.

RESOLVED this 27th day of January 2011

Jurisdiction: City of Eagleville

BY: Mayor Sam Tune

SAM Tune
Certifying Official - Mayor Sam Tune

Amy Von Almen
City Recorder - Amy Von Almen