

Appendices to Regional Natural Hazard Mitigation Plan

Thomas Jefferson Planning District 2012

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- Louisa County resolution
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- Town of Stanardsville resolution
- Thomas Jefferson Planning District Commission resolution



Regional Vision ▪ Collaborative Leadership ▪ Professional Service

Regional Hazard Mitigation Plan Update Working Group Roster

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**Hazard Mitigation Working Group
May 24, 2011 Minutes**

Attendees:

Billie Campbell, Thomas Jefferson Planning District
Missy Creasy, City of Charlottesville
Ray Uttaro, Nelson County
Mathias Smith, Louisa County
Darren Coffey, Fluvanna County
Matthew Weaver, Fluvanna County
Jaime Miller, Nelson County
Bill Lawson, Virginia Department of Emergency Management
Debbie Messmer, Virginia Department of Emergency Management
Marge Thomas, Charlottesville-UVA-Albemarle County Emergency Communications Center
Andrew Lowe, Albemarle County
Daniel Nairn, Thomas Jefferson Planning District Commission
Erin Yancey, Thomas Jefferson Planning District Commission

Hazard Mitigation Update

Ms. Campbell explained that funding has been granted for an update to the regional hazard mitigation plan. The plan was last completed by the region in 2006, and the five year time frame for an update will end in October of 2011. The update process will allow the region to revisit its prioritization of hazard susceptibility and risk, as well as update region-wide and local mitigation strategies. Listing a project in the regional hazard mitigation plan could open up funding opportunities that might not otherwise be available. For example, Ms. Campbell explained how the Town of Columbia hoped to combine a community development grant through DHCD with hazard mitigation funding. The first step in this process is to include a project for Columbia in the regional plan to enhance its eligibility for repetitive loss funding through VDEM.

Hazard Identification and Risk Assessment (HIRA) Introduction

Mr. Nairn presented some preliminary results from an update to the HIRA process. The purpose of the presentation was to highlight any changes since the 2006 plan and set to stage for the working group to select new hazard priorities.

The flood record shows that less flood damage has occurred in the last five years. Since 2006, all localities now have digital FIRM maps to identify floodplains. There has been an increase in winter events, including two notable blizzards that incurred substantial costs and interfered with business activity and use of infrastructure. Hurricane Ivan and Hurricane Cindy passed through the Planning District since 2004, although they exerted less of an impact than Isabel had previously. Although the region only experienced one small tornado in this time period, there have been several destructive tornados this year throughout the country. There have been three fatalities in Virginia this season. Mr. Nairn suggested two potential new topics for the HIRA. A microburst caused damage in and around Charlottesville in recent history. There is also reason to

believe that global climate change make increase the probability of extreme weather events in the future.

The working group voted on each of the primary hazards in terms of probability of occurring, human impact, property impact, and business impact. From these factors and aggregate level of risk posed to the community was determined. The results of the voting yielded the following prioritized list of hazards for the region:

Hazard	Level of Risk
Flooding	89%
Winter Storms	67%
Hurricanes	40%
High Wind / Windstorms	33%
Wildfire	27%
Lightning	27%
Tornadoes	27%
Drought	27%
Extreme Heat	20%
Dam Failure	18%
Landslides	13%
Earthquake	13%
Extreme Cold	9%

Critical Facilities Maps

Mr. Nairn presented maps of critical facilities derived from data presented in the previous plan. A few additions were made based on information collected in the annual reports. Mr. Nairn solicited feedback from the working group on the accuracy of the map in their locality. Mr. Uttaro and Ms. Miller noted significant omissions for Nelson County, including the Afton Family Practice and expansion to Stoney Creek. Ms. Creasy noticed some missing facilities for the City of Charlottesville. TJPDC staff agreed to take a closer look at the critical facilities data currently available and give a map and tables to the localities to offer corrections.

Project Updates

Ms. Campbell presented a composite report of each of the mitigation strategies to be included in the 5-year update. Representatives from each locality updated the working group in the status of projects. In Fluvanna County, the Kent Fire Station is now open and a station in Fork Union is being designed. In Louisa County, wildfires occurred in February that led to one injury. Mr. Coffey asked about best practices for emergency response internet and phone links. Ms. Thomas pointed to the Albemarle Emergency Communications Office of Emergency website. Additionally, the ReadyVA website has good information on household preparedness. In Albemarle County, the Department of Homeland security has been offering training for sheltering.

**Hazard Mitigation Working Group
September 13, 2011 Minutes**

Attendees:

Billie Campbell, Thomas Jefferson Planning District Commission
Missy Creasy, City of Charlottesville
David Holtzman, Louisa County
Darren Coffey, Fluvanna County
Debbie Messmer, Virginia Department of Emergency Management
Marge Thomas, Emergency Coordinator, Charlottesville-UVA-Albemarle County
Will Cockrell, Thomas Jefferson Planning District Commission
Daniel Nairn, Thomas Jefferson Planning District Commission
Erin Yancey, Thomas Jefferson Planning District Commission

Critical Facilities and HIRA

Ms. Yancey presented working maps of critical facilities identified for each locality, and the Working Group made revisions to the maps and helped verify the accuracy of the data. Several facilities had been mentioned in previous annual reports without any geographical identifier, so Ms. Yancey asked the Working Group to provide a location for the new facilities.

Mr. Nairn briefed the Working Group on the status of the HIRA, stating that the Hazard Identification section is complete, and the Risk Assessment will be complete as soon as the data is finalized. Mr. Nairn asked the Working Group to provide feedback on a list of high-water roads for the plan. Ms. Messmer advised the region to make sure recent hazards get incorporated in the HIRA. Once the HIRA is complete, a hard copy and a completed crosswalk form will be submitted to Ms. Messmer. This is likely to be done within the next couple of weeks.

Summary of Disposition of Activities

The Working Group reviewed a table of the mitigation activities that were included in the previous plan, with notes on progress made in the last five years. Most projects that are funded through hazard mitigation funds are structural, and these have to pass a cost-benefit analysis to qualify. A smaller percentage of the funds are allocated to planning and programs. The Group noticed that many of the projects are similar across the region, and some activities may not have been clear to everyone involved. Ms. Messmer told the Group that she can provide two standards that are commonly adopted by localities, one to address repetitive loss properties and another more general floodplain mitigation strategy.

Special Needs in Emergency Response

Ms. Campbell, on behalf of the Disabilities Services Board (DSB), presented a letter recommending including action items to serve populations with special needs. Two guidance documents are available: Evacuation Plans for Populations with Special Needs - guidance for this was published by the U.S. Department of Transportation, Federal Highway Administration in April 2009, available on line at <http://ops.fhwa.dot.gov/publications/fhwahop09022/index.htm>. FEMA issued "Guidance on Planning for Integration of Functional Needs Support Services in General Population Shelters" in

November 2010, available at http://www.fema.gov/pdf/about/odc/fnss_guidance.pdf. The DSB also offered to assist localities in the region through participation in an event to brainstorm ideas for addressing the functional needs of people with disabilities. Mr. Coffey agreed that considering many different needs is important in emergency response. Often when localities set up shelters the Red Cross will offer its support. The Red Cross has established standards for meeting special needs, and counties need to abide by these standards to receive their support. Family pets can be another issue in shelter management. Sometimes people will opt not to enter a shelter if they cannot bring a pet with them, which prompted Fluvanna County to purchase mobile pet shelters that can be moved to the lot of the shelter when needed.

Public Participation

There is a requirement to document public participation during the course of the plan, and Ms. Campbell asks the group about possible ways of achieving this. For the previous plan, an Advisory Committee was established. A roster can be updated for a committee that could serve this purpose. Ms. Messmer told the group that a separate public hearing would not be necessary for each locality, but one could be held for the whole region. She said that often a region will hold a public hearing to present the HIRA and solicit feedback, and another for the final plan. She says that it is important for the plan to document how comments from the public have been sought throughout the process. The comments are then incorporated into the plan.

The Working Group agreed to establish a meeting to be held in the next couple of months that would be advertised publically to present the HIRA and ask for potential mitigation strategies. In addition to this meeting, Ms. Campbell asked for names of people who would be good to speak with from each locality in a smaller setting. Each member representing a locality provided a number of possible contacts. Several of the localities have Local Emergency Planning Committees (LEPC) that meet regularly, and the group agreed that this would provide a useful forum for participation. Ms. Creasy and Mr. Coffey also said that some web interface could be helpful, especially since an online survey elicited a sizeable response in the previous plan.

Timeline

Mr. Coffey asked about the timeline of the project. Ms. Campbell explained that the grant end date is September 30, 2012, but that the 5-year window for the previous plan ends in October 2011. Ms. Messmer confirmed that certain grant programs will not be available to localities in the region without an updated plan on the record. The approval process takes some time itself, so Ms. Campbell recommended moving forward with completing the plan and not necessarily taking the full amount of time allotted. The following are the next steps. Exact dates were not determined at the meeting:

- Convene an Advisory Committee. The meeting should be advertised broadly, and elected officials should be invited. It can be held in the Water Street Center.
- Meet individually or in small group with contacts provided from localities.
- Meet with LEPCs for each locality. The Fluvanna LEPC meets quarterly with the next meeting to occur on October 20th at 4:00. The Albemarle-Charlottesville LEPC meets monthly on the last Wednesday of the month, although November and December meetings are combined.

**Hazard Mitigation Working Group
December 13, 2011 Minutes**

Attendees:

Billie Campbell, Thomas Jefferson Planning District Commission
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Linda Taylor, Thomas Jefferson Health District
Dave Lawrence, Greene County
Scott Keim, Louisa County Emergency Services Director
David Holtzman, Louisa County
Andrew Pompeii, Fluvanna County
Amy Howard, Virginia Department of Emergency Management
Marge Thomas, Emergency Coordinator, Charlottesville-UVA-Albemarle County
Will Cockrell, Thomas Jefferson Planning District Commission
Daniel Nairn, Thomas Jefferson Planning District Commission

Introduction and Goals and Objectives

Ms. Campbell briefed the working group on the process of updating the Hazard Mitigation Plan. The Hazard Identification and Risk Analysis was submitted to VDEM and has been approved. Goals and Objectives have been drafted, based on results generated from an October public meeting, and were distributed to the Working Group for their review. Ms. Creasy commented that the public meeting was well-attended and the discussion that took place was constructive. Ms. Howard noted that all high or moderately ranked hazards need a specific strategy. Ms. Campbell said that earthquakes will be highlighted as well, although they are not ranked as highly. TJPDC Staff have visited the Charlottesville-Albemarle-UVA LEPC for input on the plan and plan to visit other LEPCs in the following months. The current goal is to present the update plan at a regional public meeting in March.

Hazard Mitigation Online Survey

Mr. Cockrell presented preliminary results from a survey on hazard mitigation on the TJPDC website. A total of 34 surveys had been completed by the time of the meeting. Most respondents were from Albemarle County and Charlottesville, signaling a need for more promotion of the survey in the outlying counties. A majority (70%) of respondents answered that they had not been effected by a natural hazard in their current residence. Those who responded affirmatively, listed predominately hurricane (60%) and severe winter storm (60%) as the hazard that had effected them. Respondents were most concerned about Severe Winter Storms, Water Pollution, and Severe Rain/Hurricanes. Roughly half of all respondents have taken action to make their home or neighborhood more resistant to hazards. The internet was listed as the most effective means of communication (45%). Respondents were generally supportive of using public money for hazard mitigation, with the exception of strengthening or moving public buildings in floodplains. Respondents were asked to rank the draft goals, and the results will be used to refine and order the goals for the plan. Several action items were suggested, with respondents generally favorably disposed to most items.

Action Items for Localities

Members of the Working Group reviewed the action items for their locality from the 2006 plans. TJPDC staff has recommended that some of the action items either be moved up to objectives or supplemented with additional information. Mr. Cockrell said that the action items should be measurable and ideally achievable within a 5-year timeframe. Representatives from each locality told the Working Group about progress made toward the previous action items and weighed in on potential changes. Several of the actions items have been achieved and can be taken off the list. Others were questioned for their political feasibility. Ms. Howard reminded the Working Group that any actions items removed from the 2006 plan must include a comment explaining the reason for removal.

Potential new action items were distributed to the Working Group for review. These included items for evacuation of people with special needs, items gleaned from other local plans, items from meetings with UVa office of Emergency Preparedness, new items related to earthquake mitigation, and items from the Town of Columbia Task Force. The Working Group raised a few new items as well. Mr. Tomlin suggested traffic signal coordination for emergency vehicles between jurisdictions. There may also be benefits to applying for Citizen Alert System funds as a region, rather than as individual localities. Mr. Soltzman suggested that rural broadband efforts in Louisa be added. Mr. Pompeii said that Fluvanna Counties recently adopted Telecommunications Plan may include some relevant action items. Mr. Lawrence suggested an action item for utilizing amateur radio by for sheriff's department.

Timeline

Ms. Campbell said that the next event for input on the plan would be the Rural Tech meeting to be held December 20. Staff will visit LEPCs at some point after this, and electronic communication with the Working Group will be maintained. Ms. Campbell asked Ms. Howard to confirm whether the plan can be adopted regionally at a single public hearing. Ms. Howard said that each locality would have to pass a resolution in support of the plan, and that this must occur after review from FEMA and VDEM. She said to expect approximately 75 days for review from both agencies. Ms. Campbell said that the region would also want to hold a public hearing before submitting to the state and federal agencies, to make sure the public and elected officials are aware of the contents of the plan in advance.

DISPOSITION OF ACTIVITIES
Regional Natural Hazard Mitigation Plan 2006
Thomas Jefferson Planning District

Progress on Mitigation Strategies

The following table summarizes actions and progress to date on mitigation activities included in the Regional Hazard Mitigation Plan, as determined by the Hazard Mitigation Working Group during annual meetings in May.

Status Codes: C=Complete; IP=In Progress, NS=Not Started, M=Modified, X = Canceled

	Activity Number	Activity Description	2007	2008	2009	2010	2011
Region							
1	RHP1	Write Regional Green Infrastructure Plan	IP	IP	IP	C	C
2	RHI1	Create an Interactive Map Server and Database	C	C	C	C	C
3	RHE1	Create a hazards library and information toolkit	NS	NS	NS	NS	NS
4	RHP2	Complete the Regional Water Supply Plan	X	X	X	X	X
Albemarle County							
5	AHE1	Provide a telephone number or website that gives useful information following a disaster	C	C	C	C	C
6	AHE2	Place hazard mitigation plan in local libraries and on locality websites	C	C	C	C	C
7	AHE3	Create educational campaign about the benefits of open space protection	IP	IP	IP	IP	IP
8	AHE4	Provide educational information about the burn permit process	C	C	C	C	C
9	AHE 5	Add emergency preparedness and response information in local phone books	C	C	C	C	C
10	AHI1	Conduct study of resistance of critical facilities to natural hazards	NS	NS	NS	NS	NS
11	AHI2	Complete water supply study	IP	IP	IP	IP	IP
12	AHI3	Coordinate with Fluvanna County on emergency plan for failure of South Fork Rivanna Reservoir Dam	IP	IP	IP	C	C
13	AHP1	Provide training for building inspectors and code officials on mitigation techniques and hazard-resistant building	NS	NS	NS	IP	IP
14	AHP2	Incorporate hazard mitigation plan into community plans	NS	NS	NS	IP	IP
15	AHP3	Conduct Community Emergency Response Team (CERT) classes	C	C	C	C	C
16	AHP4	Increase number of trained emergency responders	IP	IP	IP	IP	IP
17	AHP5	Support tree maintenance program	IP	IP	IP	IP	IP
18	AHP6	Implement recommendations of water supply study	IP	IP	IP	IP	IP
19	AHS1	Ensure that all shelters and public buildings have a battery-powered emergency radio and flashlight	C	C	C	C	C
20	AHS2	Conduct phase I improvement to Ragged Mountain Reservoir Dam--Add larger spillway and additional concrete reinforcement to spillway	NS	NS	NS	X	X
21	AHS3	Conduct structural evaluations of all current and proposed shelters	IP	IP	IP	IP	IP
22	AME1	Encourage water conservation	IP	IP	IP	IP	IP
23	AME2	Create a public education program on disaster preparedness	IP	IP	IP	IP	IP

	Activity Number	Activity Description	2007	2008	2009	2010	2011
24	AME3	Create displays about mitigation actions for use at public events	C	C	C	C	C
25	AME4	Conduct FireWise workshops	NS	NS	NS	NS	IP
26	AME5	Encourage property owners to clear out dead wood from forests	IP	IP	IP	IP	IP
27	AMI1	Gather and maintain GIS database on bank restoration needs of Rivanna Reservoir	IP	IP	IP	IP	IP
28	AMI2	Expand GIS data for use in mitigation planning activities	NS	NS	NS	IP	IP
29	AMP1	Create Emergency Action Plan for Upper Ragged Mountain Dam	C	C	C	C	C
30	AMP2	Continue to pursue conservation easements in sensitive areas	IP	IP	IP	IP	IP
31	AMP3	Develop cooperative agreement between all agencies involved in emergency management, provide methods of communication between agencies responsible for being present at Emergency Communication Center following disaster, and conduct joint emergency exercises	C	C	C	C	C
32	AMP4	Hire fire code official	C	C	C	C	C
33	AMS1	Install backup generators in shelters and critical facilities	IP	IP	IP	C	C
34	AMS2	Build or repair bridges so as to not impede floodwaters	NS	NS	NS	IP	IP
35	AMS3	Upgrade all area bridges to support emergency vehicles	IP	IP	IP	IP	IP
36	AMS4	Complete phase II improvements to Ragged Mountain Reservoir which includes upgrading the Sugar Hollow pipeline	X	X	X	X	X
37	AMS5	Initiate phase II upgrades to Ragged Mountain Reservoir which includes upgrading the pump stations	X	X	X	X	X
38	ALE1	Encourage residents and agencies to clear storm drain inlets, ditches, and channels	IP	IP	IP	IP	IP
39	ALE2	Establish a "Hazard Awareness Week" with local media to educate public about natural hazards	IP	IP	IP	IP	IP
40	ALE3	Provide lectures about mitigation to homeowner groups, Ruritan clubs, and other organizations	IP	IP	IP	IP	IP
41	ALP1	Use recreational trails as fire breaks and access lines	NS	NS	NS	NS	NS
42	ALP2	Acquire riparian easements in sensitive and/or floodprone areas	NS	NS	NS	NS	NS
43	ALS1	Improve the maintenance of stormwater conveyance systems.	M	M	M	M	M
44	ALS2	Increase capacity of drainage systems and ponds where needed	IP	IP	IP	IP	IP
45	ALS3	Clear creek beds or dredge creeks to remove debris where flooding has increased	NS	NS	NS	NS	NS
46	ALS4	Reduce pollution discharge via stormwater systems	IP	IP	IP	IP	IP
47	ALS5	Retrofit stormwater management basins	IP	IP	IP	IP	IP
48	ALS6	Ensure evacuation routes meet proper standards	C	C	C	C	C
49	ALS7	Encourage fire breaks in tree farms	IP	IP	IP	IP	IP
50	ALS8	Install more dry hydrants in high wildfire risk areas	NS	NS	NS	NS	NS
51	ALS9	Clear ditches of flammable debris	IP	IP	IP	IP	IP
52	ALS10	Create defensible spaces between Woodland Home Communities and areas of high wildfire risk	IP	IP	IP	IP	IP

	Activity Number	Activity Description	2007	2008	2009	2010	2011
53	ALS11	Move shrubs and landscaping away from homes, public buildings, and businesses, and clear dead brush and grass from properties in high wildfire risk areas	IP	IP	IP	IP	IP
54	ALS12	Maintain and add more fire rings in camping areas for controlled fires	IP	IP	IP	IP	IP
Town of Scottsville							
55	ASMP1	Incorporate hazard mitigation plan into community plans	IP	IP	IP	IP	IP
56	ASLS1	Bury utilities underground in town of Scottsville	IP	IP	IP	C	C
City of Charlottesville							
57	CHE1	Provide a telephone number or website that gives useful information following a disaster	C	C	C	C	C
58	CHE2	Place hazard mitigation plan in local libraries and on City website	NS	C	C	C	C
59	CHE3	Create educational campaign about the benefits of open space and sensitive area protection	NS	NS	NS	IP	IP
60	CHE 4	Add emergency preparedness and response information in local phone books	IP	IP	IP	IP	IP
61	CHI1	Complete water supply study	IP	IP	IP	IP	C
62	CHP1	Provide training for building inspectors and code officials on mitigation techniques and hazard-resistant building	NS	NS	NS	IP	IP
63	CHP2	Incorporate hazard mitigation plan into community plans	NS	NS	NS	NS	IP
64	CHP3	Conduct Community Emergency Response Team (CERT) classes	IP	IP	IP	IP	IP
65	CHP5	Implement recommendations of water supply study	NS	NS	NS	NS	IP
66	CHP6	Provide rebate to homeowners who purchase low-flow appliances	C	C	C	C	C
67	CHP7	Encourage more institutions to use low-flow appliances	NS	NS	NS	IP	IP
68	CHP8	Continue use of the Reverse E911 System	IP	IP	IP	IP	IP
69	CHP9	Ensure all large facilities have updated evacuation plans	NS	NS	NS	NS	IP
70	CHP10	Ensure all large facilities have updated shelter in place plans	NS	NS	NS	NS	IP
71	CHS1	Ensure that all shelters and public buildings have a battery-powered emergency radio and flashlight	C	C	C	C	C
72	CHS2	Conduct phase I improvement to Ragged Mountain Reservoir Dam--Add larger spillway and additional concrete reinforcement to spillway	X	X	X	X	X
73	CME1	Encourage water conservation	IP	IP	IP	IP	IP
74	CME2	Create a public education program on disaster preparedness	IP	IP			
75	CME3	Create displays about mitigation actions for use at public events	IP	IP	IP	IP	IP
76	CMI1	Gather and maintain GIS database on bank restoration needs of Rivanna Reservoir	NS	NS	NS	IP	IP
77	CMP1	Create Emergency Action Plan for Upper Ragged Mountain Dam	C	C	C	C	C
78	CMP2	Pursue conservation easements in sensitive areas	IP	IP	IP	IP	IP

	Activity Number	Activity Description	2007	2008	2009	2010	2011
79	CMP3	Develop cooperative agreement between all agencies involved in emergency management and provide methods of communication between agencies responsible for being present at Emergency Communication Center following disaster and conduct joint emergency exercises	C	C	C	C	C
80	CMP4	Support volunteer groups and encourage collaboration on public outreach and education programs on hazard mitigation	IP	IP	IP	IP	IP
81	CMP5	Establish plan for municipal operations prior to and during drought	NS	NS	C	C	C
82	CMP6	Require more stringent policy to discourage floodplain development	IP	IP	IP	IP	IP
83	CMP7	Prevent clear cutting or removal of forested areas to prevent mudslides	NS	NS	NS	IP	IP
84	CMP8	Support purchase of rain barrels	IP	IP	IP	IP	IP
85	CMP9	Develop water restriction policy during drought	NS	NS	C	C	C
86	CMP10	Encourage policy which implements proactive environmental actions to reduce flooding--reduce impervious surfaces, restore wetlands, restore streambanks, add curb extensions to catch leaf debris, etc.	NS	NS	IP	IP	IP
87	CMP11	Create a media strategy	NS	NS	NS	NS	IP
88	CMS1	Build or repair bridges so as to not impede floodwaters	NS	NS	NS	NS	NS
89	CMS2	Upgrade all area bridges to support emergency vehicles	IP	IP	IP	IP	IP
90	CMS3	Complete phase II improvements to Ragged Mountain Reservoir which includes upgrading the Sugar Hollow pipeline	NS	NS	NS	NS	NS
91	CMS4	Initiate phase II upgrades to Ragged Mountain Reservoir which includes upgrading the pump stations	NS	NS	NS	NS	NS
92	CMS5	Put high water marks on bridges	NS	NS	NS	NS	NS
93	CMS6	Add signage to roads in locations that frequently flood	NS	NS	NS	NS	NS
94	CMS7	Retrofit emergency services buildings for hazard resistance	NS	NS	NS	NS	NS
95	CLE3	Provide lectures about mitigation to homeowner groups, Ruritan clubs, and other organizations	IP	IP	IP	IP	IP
96	CLI4	Conduct channel improvement study to investigate flooding problems	NS	NS	NS	IP	IP
97	CLP2	Join the Community Rating System	NS	NS	NS	NS	NS
98	CLP3	Support open space preservation in floodplains	C	C	C	C	C
99	CLP4	Hire a floodplain management official and enforce floodplain regulations	NS	NS	NS	NS	NS
100	CLP5	Encourage homeowners to install back-flow valves to prevent reverse flow	IP	IP	IP	IP	IP
101	CLP6	Encourage creek and stream storage capacity through daylighting	IP	IP	IP	IP	IP
102	CLP7	Preserve riparian buffers	NS	NS	IP	IP	IP
103	CLS1	Improve the maintenance of stormwater conveyance systems.	NS	NS	NS	IP	IP
104	CLS2	Increase capacity of drainage systems and ponds where needed	NS	NS	NS	NS	IP

	Activity Number	Activity Description	2007	2008	2009	2010	2011
105	CLS3	Clear creek beds or dredge creeks to remove debris where flooding has increased	NS	NS	NS	NS	NS
106	CLS4	Reduce pollution discharge via stormwater systems	NS	NS	NS	IP	IP
107	CLS5	Retrofit stormwater management basins	NS	NS	NS	NS	IP
108	CLS6	Ensure evacuation routes meet proper standards	C	C	C	C	C
109	CLS7	Remove abandoned buildings in floodplains	NS	NS	NS	NS	NS
110	CLS8	Bury power, phone, and cable utility lines underground	IP	IP	IP	IP	IP
111	CLS9	Provide citizens with literature about flood and drought-smart landscaping	NS	NS	NS	IP	IP
Fluvanna County							
112	FHE1	Provide telephone number and website with useful information before and during a disaster	NS	NS	NS	NS	C
113	FHI1	Update National Flood Insurance Maps	NS	NS	C	C	C
114	FHP1	Conduct structural evaluations and study of resistance to hazards of all current and proposed shelters	NS	NS	NS	NS	NS
115	FHS1	Retrofit emergency services building for hazard resistance	NS	NS	NS	NS	NS
116	FHS2	Install backup generators in shelters and critical facilities	IP	IP	IP	IP	IP
116	FMP1	Create a community toolbox with tools and information for local homeowners	NS	NS	NS	NS	NS
117	FMP2	Develop water restriction policy during drought	IP	IP	IP	C	C
119	FMP3	Incorporate hazard mitigation plans into community plans	NS	NS	NS	C	C
120	FLE 1	Provide educational lectures about mitigation to homeowner groups, Ruritan clubs, and other organizations	NS	NS	NS	NS	NS
121	FLE 2	Develop an all-hazard resource center at libraries or other public office	NS	NS	NS	NS	NS
123	FLL2	Encourage protective stormwater mitigation measures such as flood project, reducing impervious surfaces, stilling and infiltration basins, and restoring wetlands in growth areas	NS	NS	IP	C	C
124	FLP1	Increase number of trained emergency responders and conduct CERT workshops	NS	NS	NS	X	X
Town of Columbia							
125	FCHE1	Provide telephone number and website with useful information before and during a disaster	NS	NS	NS	NS	NS
126	FCMP1	Incorporate hazard mitigation plans into community plans	NS	NS	NS	NS	NS
Greene County							
127	GHE1	Support volunteer groups and encourage collaboration on public outreach and education	NS	IP	IP	IP	IP
128	GHE2	Provide training for building officials and code inspectors	IP	IP	IP	IP	IP
129	GHE3	Place hazard mitigation plan in local libraries and websites	NS	C	C	C	C
130	GHI1	Update FEMA Floodplain maps	NS	IP	C	C	C
131	GHI2	Conduct structural evaluations of current and proposed shelters	NS	NS	NS	NS	NS
132	GHP1	Establish Reverse E-911 System	C	C	C	C	C
133	GHP2	Ensure all critical facilities have updated shelter-in-place plans	NS	IP	IP	IP	IP

	Activity Number	Activity Description	2007	2008	2009	2010	2011
134	GHP3	Update driveway codes to allow access for emergency vehicles	NS	NS	NS	NS	NS
135	GHP4	Routinely inspect fire hydrants	IP	IP	IP	IP	IP
136	GHS1	Install backup generators in shelters and critical facilities	C	C	C	C	C
136	GME1	Develop all-hazard resource center	NS	NS	NS	NS	NS
138	GME2	Develop cooperative agreement between all agencies involved in emergency management, provide methods of communication between agencies responsible for being present at Emergency Communication Center following disaster, and conduct joint emergency exercises	IP	IP	IP	IP	IP
139	GMI1	Standardize GIS data for use in mitigation planning	NS	NS	NS	NS	IP
140	GMI2	Conduct channel improvement study	NS	NS	NS	NS	NS
141	GMI3	Create needs survey identifying special populations	IP	IP	IP	IP	IP
142	GMP1	Support open space preservation in floodplain	IP	IP	IP	IP	IP
143	GMP2	Ensure evacuation routes are upgraded to proper standards	NS	NS	NS	NS	IP
144	GMP3	Incorporate hazard mitigation plan into community plans	NS	IP	IP	IP	IP
145	GMP4	Preserve riparian buffers	NS	NS	IP	IP	IP
146	GMP5	Join the Community Rating System	NS	NS	NS	NS	NS
147	GMP6	Conduct Citizen Emergency Response Team (CERT) classes	NS	NS	NS	NS	IP
148	GMP7	Require more stringent policy to discourage floodplain development	IP	IP	IP	IP	IP
149	GMS1	Retrofit emergency services building for hazard resistance	NS	NS	NS	NS	NS
150	GMS2	Build and repair bridges so as not to impede floodwaters	NS	NS	IP	IP	IP
151	GLE1	Encourage residents and agencies to clear storm drain inlets, ditches, and channels	NS	NS	NS	NS	NS
152	GLP1	Investigate safety and maintenance of roads in private communities	NS	NS	NS	NS	IP
153	GLP2	Ensure primary roads are clear of trees and power lines to the edge of the right of way	NS	NS	NS	NS	NS
154	GLP3	Provide paid fire and rescue staff	IP	IP	IP	IP	IP
155	GLS1	Increase storage capacity of creeks and streams	NS	NS	NS	NS	NS
156	GLS2	Ensure culverts, streams, channels, storm drains, and gutters remain clear of debris	NS	IP	IP	IP	IP
157	GLS3	Increase cell phone coverage in rural areas	IP	IP	IP	IP	IP
158	GLS4	Create defensible space between Woodland Home Communities and areas of high wildfire risk	NS	IP	IP	IP	IP
Town of Stanardsville							
159	GSHP1	Establish Reverse E-911 System	C	C	C	C	C
160	GSMP2	Incorporate hazard mitigation plan into community plans	NS	NS	NS	NS	C
161	GSL1	Bury utilities in Town of Stanardsville and surrounding area	NS	IP	IP	IP	IP
Louisa County							
162	LHE1	Encourage water conservation	IP	IP	IP	IP	IP
163	LHE2	Provide a telephone number or website with useful information	IP	IP	IP	C	C
164	LHE3	Provide training for building inspectors and code officials on mitigation techniques and hazard-resistant building	NS	NS	NS	IP	IP

	Activity Number	Activity Description	2007	2008	2009	2010	2011
165	LHE4	Place hazard mitigation plan in local libraries and on locality websites	NS	C	C	C	C
166	LHP1	Establish Reverse E911 System in all localities	NS	NS	NS	NS	NS
167	LHP2	Ensure that all large facilities have updated evacuation plans	NS	NS	NS	IP	IP
168	LHP3	Ensure all large facilities have updated shelter in place plans	NS	NS	NS	NS	NS
169	LHP4	Conduct Community Emergency Response Team (CERT) classes	IP	IP	IP	IP	IP
170	LHP5	Increase number of trained emergency responders	IP	IP	IP	IP	IP
171	LHS1	Install backup generators in shelters and critical facilities	IP	IP	IP	IP	IP
172	LHS2	Put high water marks on bridges	NS	NS	NS	NS	NS
173	LHS3	Ensure all shelters and public buildings have a battery-powered emergency radio & flashlight	IP	IP	IP	IP	IP
174	LHS4	Ensure all houses have properly placed E911 address signs	IP	IP	IP	IP	IP
175	LMS1	Install more dry hydrants	IP	IP	IP	IP	IP
176	LME1	Create a public education program on how to be self-sufficient following a disaster and on mobilization	IP	IP	IP	IP	IP
177	LMI1	Identify long-term water needs and investigate potential of increased water supply	IP	IP	IP	IP	IP
178	LMI2	Support open space preservation in floodplains	IP	IP	IP	IP	IP
179	LMP1	Create a needs survey that identifies special need homes or facilities needing attention in case of emergencies or evacuations	IP	IP	IP	IP	IP
180	LMP2	Update National FEMA Floodplain Maps	NS	IP	IP	IP	IP
181	LMP3	Incorporate hazard mitigation plans into community plans	NS	NS	NS	IP	IP
182	LMP4	Incorporate special needs populations into Hazard Mitigation and Emergency Operations Plans	IP	IP	IP	IP	IP
183	LMP5	Provide more education about the burn permit process	NS	IP	IP	IP	IP
184	LMS1	Add signage to roads in locations that frequently flood	NS	NS	NS	NS	NS
185	LMS2	Increase cell phone coverage in rural areas	IP	IP	IP	IP	IP
186	LLS1	Create defensible space between Woodland Home Communities and areas of high wildfire risk	NS	NS	NS	IP	IP
187	LLI1	Provide stilling and infiltration basins to capture stormwater and return it to the groundwater system	NS	NS	NS	IP	IP
188	LLP1	Track and map space available for pets at local SPCA and other animal shelters	NS	NS	NS	NS	NS
189	LLP2	Develop driveway codes to allow emergency vehicle access	NS	NS	NS	NS	NS
190	LLP3	Investigate safety and maintenance of roads in private communities	NS	NS	NS	NS	NS
191	LLP4	Adopt state fire codes and hire fire code officer	NS	NS	NS	IP	IP
192	LLP5	Develop more strict building and landscaping codes to prevent forest fires	NS	IP	IP	IP	IP
193	LLP6	Reduce pollution discharge via stormwater systems	NS	NS	NS	NS	NS
Town of Louisa							
194	LLMP1	Incorporate hazard mitigation plans into community plans	NS	NS	NS	NS	NS
195	LLLS1	Bury utilities underground in town of Louisa	NS	NS	NS	NS	NS
Town of Mineral							

	Activity Number	Activity Description	2007	2008	2009	2010	2011
196	LMMP1	Incorporate hazard mitigation plans into community plans	NS	NS	NS	NS	NS
197	LMLS1	Bury utilities underground in town of Mineral	IP	IP	IP	IP	IP
Nelson County							
198	NHE1	Provide educational instruction and materials to school age youth and their teachers on proper procedures for responding to natural disasters	NS	NS	IP	IP	IP
199	NHP1	Encourage residents to build and maintain private driveways adequate for emergency vehicles	IP	IP	IP	IP	IP
200	NHP2	Complete installation of Reverse E-911 System	IP	IP	IP	IP	C
201	NHS1	Upgrade communication system	IP	IP	IP	C	C
202	NHS2	Install generators at all emergency shelters	IP	IP	IP	C	C
203	NHS3	Ensure that all houses have properly placed, current 911 street addresses	IP	IP	IP	IP	IP
204	NHS4	Install drone sirens at each fire and rescue station	IP	IP	X	X	X
205	NME1	Conduct Firewise Workshops	IP	IP	IP	IP	IP
206	NMI1	Update FEMA floodplain maps	IP	IP	IP	IP	C
207	NMS1	Investigate potential to elevate or otherwise protect roads from flooding: Rt. 617, 29 at Nelson County High School, Knuckle Run, Colleen by Woodland Church, Rt. 56 at Tye River, Rt. 632 at Rockfish River, Johnson Hollow	IP	IP	X	X	X
208	NMS2	Create defensible spaces between Woodland Home Communities and areas of high wildfire risk	IP	IP	IP	IP	IP
209	NLP1	Strengthen policy to prohibit development in or near floodplains	IP	IP	C	C	C
210	NLP2	Join the Community Rating System	NS	NS	NS	NS	NS
211	NLP3	Strengthen building codes to protect homes from wildfires	IP	IP	X	X	X
212	NLP4	Develop cooperative agreement with surrounding jurisdictions and institutions of higher education to improve communications	C	C	C	C	C

JUSTIFICATION FOR REMOVAL OF 2006 ACTION ITEMS

2006 Activity Code	Activity Description	Justification	2011
Region			
RHP1	Write Regional Green Infrastructure Plan	Completed in 2010	C
RHI1	Create an Interactive Map Server and Database	Completed in 2007	C
RHP2	Complete the Regional Water Supply Plan	Canceled in 2007. Completed by individual localities.	X

Albemarle County			
AHE1	Provide a telephone number or website that gives useful information following a disaster	Completed in 2007	C
AHE 5	Add emergency preparedness and response information in local phone books	Completed in 2007	C
AHI3	Coordinate with Fluvanna County on emergency plan for failure of South Fork Rivanna Reservoir Dam	Completed in 2010	C
AHP3	Conduct Community Emergency Response Team (CERT) classes	Completed in 2007	C
AHS2	Conduct phase I improvement to Ragged Mountain Reservoir Dam--Add larger spillway and additional concrete reinforcement to spillway	Included under different action item	IP
AME1	Encourage water conservation	Moved under objectives	IP
AME3	Create displays about mitigation actions for use at public events	Completed in 2007	C
AME5	Encourage property owners to clear out dead wood from forests	Moved under objectives	IP
AMP1	Create Emergency Action Plan for Upper Ragged Mountain Dam	Completed in 2007	C
AMP3	Develop cooperative agreement between all agencies involved in emergency management, provide methods of communication between agencies responsible for being present at Emergency Communication Center following disaster, and conduct joint emergency exercises	Completed in 2007	C
AMP4	Hire fire code official	Completed in 2007	C
AMS1	Install backup generators in shelters and critical facilities	Completed in 2010	C
AMS4	Complete phase II improvements to Ragged Mountain Reservoir which includes upgrading the Sugar Hollow pipeline	Outside of the scope of the plan Expected construction in 2020 – 2024.	X
AMS5	Initiate phase II upgrades to Ragged Mountain Reservoir which includes upgrading the pump stations	Outside of the scope of the plan Expected construction in 2019 – 2020.	X
ALS6	Ensure evacuation routes meet proper standards	Completed in 2007	C
ALS7	Encourage fire breaks in tree farms	Moved under objectives	IP
ALS10	Create defensible spaces between Woodland Home Communities and areas of high wildfire risk	Moved under objectives	IP
ALS11	Move shrubs and landscaping away from homes, public buildings, and businesses, and clear dead brush and grass from properties in high wildfire risk areas	Moved under objectives	IP
AMI1	Gather and maintain GIS database on bank restoration needs of Rivanna Reservoir	Working Group unclear about what this refers to	IP

2006 Activity Code	Activity Description	Justification	2011
ALE3	Provide lectures about mitigation to homeowner groups, Ruritan clubs, and other organizations	Included in regional action item	IP

Town of Scottsville			
ASLS1	Bury utilities underground in town of Scottsville	Completed in 2010	C

Charlottesville			
CHE1	Provide a telephone number or website that gives useful information following a disaster	Completed in 2007	C
CHI1	Complete water supply study	Completed in 2011	C
CHP6	Provide rebate to homeowners who purchase low-flow appliances	Completed in 2007	C
CHS2	Conduct phase I improvement to Ragged Mountain Reservoir Dam--Add larger spillway and additional concrete reinforcement to spillway	Included in other action item	IP
CME1	Encourage water conservation	Moved under objectives	IP
CMP1	Create Emergency Action Plan for Upper Ragged Mountain Dam	Completed in 2007	C
CMP2	Pursue conservation easements in sensitive areas	Moved under objectives	IP
CMP7	Prevent clear cutting or removal of forested areas to prevent mudslides	Deemed by city staff to be unrealistic within plan cycle	IP
CMP10	Encourage policy which implements proactive environmental actions to reduce flooding--reduce impervious surfaces, restore wetlands, restore streambanks, add curb extensions to catch leaf debris, etc.	Deemed by city staff to be unrealistic within plan cycle	IP
CMS2	Upgrade all area bridges to support emergency vehicles	Deemed by city staff to be unrealistic within plan cycle	IP
CMS3	Complete phase II improvements to Ragged Mountain Reservoir which includes upgrading the Sugar Hollow pipeline	Outside of the scope of the plan Expected construction in 2020 – 2024.	X
CMS4	Initiate phase II upgrades to Ragged Mountain Reservoir which includes upgrading the pump stations	Outside of the scope of the plan Expected construction in 2019 – 2020.	X
CMS5	Put high water marks on bridges	Deemed by city staff to be unrealistic within plan cycle	NS
CMP3	Develop cooperative agreement between all agencies involved in emergency management and provide methods of communication between agencies responsible for being present at Emergency Communication Center following disaster and conduct joint emergency exercises	Completed in 2007	C
CMP5	Establish plan for municipal operations prior to and during drought	Completed in 2009	C
CMP6	Require more stringent policy to discourage floodplain development	Moved under objectives	IP
CMP9	Develop water restriction policy during drought	Completed in 2009	C
CLE3	Provide lectures about mitigation to homeowner groups, Ruritan clubs, and other organizations	Merged with regional action item	IP
CLI4	Conduct channel improvement study to investigate flooding problems	Deemed by city staff to be unrealistic within plan cycle	IP
CLP2	Join Community Rating System	Not feasible or desired	X
CLP6	Encourage creek and stream storage capacity through daylighting	Deemed by city staff to be unrealistic within plan cycle	IP

2006 Activity Code	Activity Description	Justification	2011
CLP5	Encourage homeowners to install back-flow valves to prevent reverse flow	Moved under objectives	IP
CLP7	Preserve riparian buffers	Moved under objectives	IP
CLS2	Increase capacity of drainage systems and ponds where needed	Deemed by city staff to be unrealistic within plan cycle	IP
CLS3	Clear creek beds or dredge creeks to remove debris where flooding has increased	Deemed by city staff to be unrealistic within plan cycle	NS
CLS7	Remove abandoned buildings in floodplains	Deemed by city staff to be unrealistic within plan cycle	NS
CLS8	Bury power, phone, and cable utility lines underground	Deemed by city staff to be unrealistic within plan cycle	IP
CLS6	Ensure evacuation routes meet proper standards	Completed in 2007	C
CHP10	Ensure all large facilities have updated shelter in place plans	Moved to regional action item and expanded	IP

Town of Columbia			
FCHE1	Provide telephone number and website with useful information before and during a disaster	Moved to regional action item	NS

Fluvanna County			
FHE1	Provide telephone number and website with useful information before and during a disaster	Completed in 2011	C
FHI1	Update National Flood Insurance Maps	Completed in 2009 – Responsibility of FEMA	C
FMP2	Develop water restriction policy during drought	Completed in 2010	C
FMP3	Incorporate hazard mitigation plans into community plans	Completed in 2010	C
FLE1	Provide lectures about mitigation to homeowner groups, Ruritan clubs, and other organizations	Merged with regional action item	NS
FLP1	Increase number of trained emergency responders and conduct CERT workshops	Canceled in 2010 by request from Working Group	X

Greene County			
GHE1	Support volunteer groups and encourage collaboration on public outreach and education	Moved under objectives	IP
GHI1	Update FEMA Floodplain maps	Completed in 2009. Responsibility of FEMA	C
GHP1	Establish Reverse E-911 System	Completed in 2007	C
GMP1	Support open space preservation in floodplain	Moved under objectives	IP
GMP4	Preserve riparian buffers	Moved under objectives	IP
GLE1	Encourage residents and agencies to clear storm drain inlets, ditches, and channels	Moved under objectives	NS
GLS1	Increase storage capacity of creeks and streams	Moved under objectives	NS
GLS3	Increase cell phone coverage in rural areas	Moved under objectives	IP
GLS4	Create defensible space between Woodland Home Communities and areas of high wildfire risk	Moved under objectives	IP
GMP5	Join the Community Rating System	Not realistic or necessary	NS

Town of Stanardsville			
GSMP2	Incorporate hazard mitigation plan into community plans	Completed in 2011	C
GSLS1	Bury utilities in Town of Stanardsville and surrounding area	Cannot be included in CDBG grant and no longer financially feasible	IP

2006 Activity Code	Activity Description	Justification	2011
Louisa County			
LHE1	Encourage water conservation	Moved under objectives	IP
LHE2	Provide a telephone number or website with useful information	Completed in 2010	C
LMS1	Install more dry hydrants	Moved under objectives	IP
LMI2	Support open space preservation in floodplains	Moved under objectives	IP
LHP1	Establish a Reverse 911 System	Completed by time of update	C
LHP2	Ensure that all large facilities have updated evacuation plans	Moved to regional action item and expanded	NS
LHP3	Ensure all large facilities have updated shelter in place plans	Moved to regional action item and expanded	NS
LME1	Create a public education program on how to be self-sufficient following a disaster and on mobilization	Moved to regional action item	IP
LHE4	Place hazard mitigation plan in local libraries and on locality websites	Moved to regional action item	C
LMP2	Update National FEMA Floodplain Maps	Removed because responsibility of FEMA	IP
LMS2	Increase cell phone coverage in rural areas	Moved under objectives	IP
LL11	Provide stilling and infiltration basins to capture stormwater and return it to the groundwater system	Considered VDH and DEQ responsibility by locality	
LLS1	Create defensible space between Woodland Home Communities and areas of high wildfire risk	Moved under objectives	IP
LLP4	Adopt state fire codes and hire fire code officer		
LLP5	Develop more strict building and landscaping codes to prevent forest fires	Removed at request of Board	
LLP6	Reduce pollution discharge via stormwater systems	Moved under objectives	NS
Nelson County			
NHP1	Encourage residents to build and maintain private driveways adequate for emergency vehicles	Moved under objectives	IP
NHP2	Complete installation of Reverse E-911 System	Completed in 2011	C
NHS1	Upgrade communication system	Completed in 2010	C
NHS2	Install generators at all emergency shelters	Completed in 2010	C
NHS4	Install drone sirens at each fire and rescue station	Canceled in 2009 by request from Working Group	X
NMI1	Update FEMA floodplain maps	Completed in 2011	C
NMS1	Investigate potential to elevate or otherwise protect roads from flooding: Rt. 617, 29 at Nelson County High School, Knuckle Run, Colleen by Woodland Church, Rt. 56 at Tye River, Rt. 632 at Rockfish River, Johnson Hollow	Canceled in 2009 by request from Working Group	X
NMS2	Create defensible spaces between Woodland Home Communities and areas of high wildfire risk	Moved under objectives	IP
NLP1	Strengthen policy to prohibit development in or near floodplains	Completed in 2009	C
NLP2	Join the Community Rating System	Not feasible or desirable	NS
NLP3	Strengthen building codes to protect homes from wildfires	Canceled 2009 by request from Working Group	X
NLP4	Develop cooperative agreement with surrounding jurisdictions and institutions of higher education to improve communications	Completed in 2007	C

JUSTIFICATION FOR DEFERRAL OF 2006 ACTION ITEMS

Activity Code	Activity Description	Justification	2011
Region			
RHE1	Create a hazards library and information toolkit	Material from the HMP update to be included in a Toolkit	NS

Albemarle County			
AHI1	Conduct study of resistance of critical facilities to natural hazards	Limited Resources	NS
ALP1	Use recreational trails as fire breaks and access lines	To be included in standard practice for trail design	NS
ALP2	Acquire riparian easements in sensitive and/or floodprone areas	County studying feasibility of achieving with tax policy	NS
ALS1	Improve the maintenance of stormwater conveyance systems.	Limited Resources	NS
ALS3	Clear creek beds or dredge creeks to remove debris where flooding has increased	Limited Resources	NS
ALS8	Install more dry hydrants in high wildfire risk areas	Educational campaign yet to be assessed	NS

Charlottesville			
CMS1	Build or repair bridges so as to not impede floodwaters	Belmont bridge repair scheduled for near future	NS
CMS5	Put high water marks on bridges	To be completed	NS
CMS6	Add signage to roads in locations that frequently flood	VDOT responsibility	NS
CMS7	Retrofit emergency services buildings for hazard resistance	Limited resources	NS
CLP4	Hire a floodplain management official and enforce floodplain regulations	Limited resources	NS
CLS3	Clear creek beds or dredge creeks to remove debris where flooding has increased	Limited resources	NS
CLS7	Remove abandoned buildings in floodplains	Awaiting study on location of affected abandoned buildings	NS

Fluvanna County			
FHP1	Conduct structural evaluations and study of resistance to hazards of all current and proposed shelters	Limited resources	NS
FHS1	Retrofit emergency services building for hazard resistance	Limited resources	NS
FMP1	Create a community toolbox with tools and information for local homeowners	Information from HMP update to be included in toolbox	NS
FLE 1	Provide educational lectures about mitigation to homeowner groups, Ruritan clubs, and other organizations	Limit resources	NS
FLE 2	Develop an all-hazard resource center at libraries or other public office	Information from HMP update to be included in center	NS

Town of Columbia			
FCMP1	Incorporate hazard mitigation plans into community plans	Awaiting updates of community plans	NS

Activity Code	Activity Description	Justification	2011
Greene County			
GHI2	Conduct structural evaluations of current and proposed shelters	Limited resources	NS
GHP3	Update driveway codes to allow access for emergency vehicles	Limited political will	NS
GME1	Develop all-hazard resource center	Information from HMP update to be included in center	NS
GMI2	Conduct channel improvement study	Limited Resources	NS
GMS1	Retrofit emergency services building for hazard resistance	Needs unclear, to be studied further	NS
GLE1	Encourage residents and agencies to clear storm drain inlets, ditches, and channels		NS
GLP2	Ensure primary roads are clear of trees and power lines to the edge of the right of way	VDOT responsibility to be encouraged	NS
GLS1	Increase storage capacity of creeks and streams	Limited Resources	NS

Louisa County			
LHS2	Put high water marks on bridges	To be completed	NS
LMS1	Add signage to roads in locations that frequently flood	VDOT responsibility to be encouraged	NS
LLP1	Track and map space available for pets at local SPCA and other animal shelters	Limited resources	NS
LLP2	Develop driveway codes to allow emergency vehicle access	Limited political will	NS
LLP3	Investigate safety and maintenance of roads in private communities	Limited resources	NS

Town of Louisa			
LLMP1	Incorporate hazard mitigation plans into community plans	Awaiting update of community plans	NS
LLLS1	Bury utilities underground in town of Louisa	Awaiting implementation of master plan	NS

Town of Mineral			
LMMP1	Incorporate hazard mitigation plans into community plans	Awaiting update of community plans	NS

1. Where do you live:

		Response Percent	Response Count
City of Charlottesville		33.0%	36
Albemarle County		49.5%	54
Greene County		3.7%	4
Louisa County		5.5%	6
Fluvanna County		6.4%	7
Nelson County		1.8%	2

Other (please specify) 9

answered question 109

skipped question 9

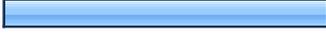
2. Have you or someone in your household ever been affected by a natural disaster at your current residence?

		Response Percent	Response Count
Yes		34.7%	41
No		65.3%	77

answered question 118

skipped question 0

3. Which of the following natural disasters did you or someone in your household experience? (Check all that apply)

		Response Percent	Response Count
Dam Failure		0.0%	0
Drought		23.1%	9
Earthquake		53.8%	21
Extreme Heat		7.7%	3
Flood		17.9%	7
Hurricane		48.7%	19
Landslide		0.0%	0
Lightning Strike		7.7%	3
Severe Winter/Ice Storm		64.1%	25
Tornado/Wind		35.9%	14
Wildfire		2.6%	1
	Other (please specify)		3
		answered question	39
		skipped question	79

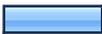
4. How concerned are you about the following natural hazards affecting your community?

	Extremely Concerned	Very Concerned	Concerned	Somewhat Concerned	Not Concerned	Rating Average	Res C
Dam Failure	0.9% (1)	3.8% (4)	11.3% (12)	32.1% (34)	51.9% (55)	4.30	
Drought	9.1% (10)	22.7% (25)	29.1% (32)	25.5% (28)	13.6% (15)	3.12	
Earthquake	1.8% (2)	12.8% (14)	28.4% (31)	43.1% (47)	13.8% (15)	3.54	
Extreme Heat	4.6% (5)	18.5% (20)	35.2% (38)	23.1% (25)	18.5% (20)	3.32	
Flood	0.9% (1)	11.8% (13)	33.6% (37)	36.4% (40)	17.3% (19)	3.57	
Landslide	0.0% (0)	3.7% (4)	8.3% (9)	17.6% (19)	70.4% (76)	4.55	
Lightning	7.3% (8)	15.6% (17)	32.1% (35)	26.6% (29)	18.3% (20)	3.33	
Severe Winter/Ice Storm	15.2% (17)	37.5% (42)	30.4% (34)	11.6% (13)	5.4% (6)	2.54	
Tornado/Wind	10.9% (12)	21.8% (24)	37.3% (41)	19.1% (21)	10.9% (12)	2.97	
Wind Storm	10.1% (11)	25.7% (28)	29.4% (32)	23.9% (26)	11.0% (12)	3.00	
Wildland Fire	5.5% (6)	8.3% (9)	30.3% (33)	27.5% (30)	28.4% (31)	3.65	
Severe Rain/Hurricane	10.7% (12)	29.5% (33)	34.8% (39)	16.1% (18)	8.9% (10)	2.83	
Water pollution	18.3% (20)	22.9% (25)	23.9% (26)	22.9% (25)	11.9% (13)	2.87	
answered question							
skipped question							

5. Have you taken any actions to make your home or neighborhood more resistant to hazards?

		Response Percent	Response Count
Yes		51.8%	58
No		48.2%	54
answered question			112
skipped question			6

6. What is the most effective way for you to receive information about how to make your home and neighborhood more resistant to hazards?

		Response Percent	Response Count
Newspaper		14.4%	16
Television		13.5%	15
Radio		9.0%	10
Internet		38.7%	43
Mail		14.4%	16
Public workshops/meetings		9.9%	11
answered question			111
skipped question			7

7. Do you support the use of public funds for the following activities:

	Support	Neutral	Do not Support	Rating Average	Response Count
Purchase private property in floodplains, to prevent and remove development	41.7% (45)	29.6% (32)	28.7% (31)	1.87	108
Launch an educational campaign about preparedness	80.4% (86)	16.8% (18)	2.8% (3)	1.22	107
Strengthen or move public buildings to decrease vulnerability to flood or other disasters	45.7% (48)	44.8% (47)	9.5% (10)	1.64	105
Clear vegetation from areas prone to wildfires	52.8% (57)	35.2% (38)	12.0% (13)	1.59	108
Develop better warning systems	85.0% (91)	13.1% (14)	1.9% (2)	1.17	107
answered question					108
skipped question					10

8. Please rank the importance of the following goals are for your community: (Only 1 response per column)

	Least Important					Most Important	Rating Average	Response Count
Increase awareness of hazards and how to prepare for them through education and training.	15.5% (15)	12.4% (12)	6.2% (6)	16.5% (16)	13.4% (13)	36.1% (35)	4.08	97
Reduce the short and long-term impact of hazard events on regional infrastructure.	13.8% (13)	16.0% (15)	21.3% (20)	21.3% (20)	16.0% (15)	11.7% (11)	3.45	94
Identify and implement physical projects that will directly reduce impacts to structures from hazards.	18.1% (17)	16.0% (15)	21.3% (20)	20.2% (19)	18.1% (17)	6.4% (6)	3.23	94
Prepare to meet the immediate needs of population during natural hazards.	5.3% (5)	11.6% (11)	15.8% (15)	12.6% (12)	20.0% (19)	34.7% (33)	4.35	95
Incorporate mitigation concepts into existing and future policies and plans.	12.1% (12)	27.3% (27)	19.2% (19)	15.2% (15)	19.2% (19)	7.1% (7)	3.23	99
Pursue funding to implement identified mitigation strategies.	27.9% (29)	12.5% (13)	18.3% (19)	16.3% (17)	16.3% (17)	8.7% (9)	3.07	104
answered question								108
skipped question								10

Action Item Ideas from Online Survey

- Early warning system in place to alert, not only the disabled, but the emergency workers as well.
- Education is the key to ensuring the safety of members of the community.
- Development of an emergency awareness and preparedness chapter that can be included in a high school seniors health course curriculum.
- aware public
- trained volunteers such as cert
- 1) Conduct "inspections" and interviews to evaluate the state of citizen and organization preparedness for hazard events. 2) Fund and conduct preparedness drills for first responders which include participation by volunteers from CERT, VIPS, Neighborhood Watch, Medical Reserve Corps, etc.
- Ensure that gas pipelines are secure
- More education and awareness of the need for community involvement/participation
- Strong emphasis on educating the community re: personal emergency preparedness
- Extend the North Anna alert system into Albemarle County.
- Use newspaper and TV to repeatedly advertise the benefit of being able to receive NOAA alerts, and sample receiver make/models and sources of supply.
- Increase the awareness of benefits of CERT participation.
- Expand the Community Emergency Response Team (CERT) and encourage neighborhood CERT programs.
- Publicize Shelter in Place methods.
- Publicize preparedness whenever there is impending risk of storms - perhaps on a regular seasonal basis?
- The risk of future hazard damages is the greatest to those who live in substandard housing such as mobile homes, and those who are least able to afford repairs and rebuilds. We need to develop a plan that does not tolerate a Katrina-like response when a Katrina-like event occurs.
- Accelerate tree removal wherever there is risk to power lines and roadway passage. Where possible, bury electric lines to avoid damage, placing the expense of those activities on the property owners and neighborhoods involved. Increase the speed and coverage for complete phone announcements (land line and cell) for emergency purposes. Where feasible, take advantage of existing capabilities such as in the school system.
- Actively promote SAME NOAA weather radios. The emergency alerts provide valuable information and may give families vital warning to shelter against a storm or tornado. Give as much press coverage to preparedness, weather radios, CERT as to the occupiers in Lee Park.
- Increase staffing of our public safety departments, especially the police department.
- Building codes
- education is key - especially in rural areas with fewer means of communication.
- too many to list
- Removal of trees threatening roads/wires

- Design a website (or provide links to a website such as CDC / FEMA) where people can get credible information regarding radiation exposure and how to protect yourself & family.
- Find a cure for complacency.
- Training & utilizing volunteers within emergency services will allow funds to be used elsewhere, promote individual preparedness, reduce dependancy, increase community pride. Part of the solution, not part of the problem.
- We need more county residents to join the National Weather Service Skywarn program and provide ground truth information. Our county is at the farthest reaches of the Sterling VA weather office that covers us therefore the images provided by radar are the least accurate for their coverage area.
- 1. Health code requirements: - back up power for gas stations* - back up power for restaurants and grocery stores 2. Encourage blood drives after disasters. 3. Encourage Volunteers -Plows -Chainsaws -Tractors -generators 4. Install quick hook ups for BACK UP GENERATORS/Solar power for traffic lights!!!!
- Keep buildings out of floodway and raise buildings in the floodplain
- Make sure Ivy Materials Utilization Center (aka landfill) meets all safety measures concerning effects of natural disasters.
- Establish a system of identified neighborhood "captains" who take a lead role in case of a disaster -- this is far more effective than individuals coping on their own. This concept can also apply to businesses. The responsibility can rotate. More than one person or family can share the role, to make sure someone is available when a disaster actually happens. Most neighborhoods and businesses have people who could take on this role -- they could get CPR training, have an annual community get-together about safety issues, and so on. Better one or two coordinators than scattered efforts.
- Ensure we do not allow new development in sensitive areas - think long term
- Make sure homes are insured for earthquake damage or structurally safe
- Posters are usually a waste of time and resources. Using organized groups like the PTA, NAs to get out the word.
- Tell VDOT to plow our roads during snow storms. They can contract out the neighborhood roads and only need equipment for the major roads.
- Regular monitoring
- Engage neighborhoods to focus on training and response

Are We Prepared? Making Our Community More Resilient to Natural Disasters

**Public Meeting
 Water Street Center
 Wednesday, October 19, 2011, 3:30 – 5:00 p.m.**

AGENDA

Goals:

- (1) *Provide an overview of hazard mitigation*
- (2) *Establish goals and objectives for our region*

3:30 p.m.	Welcome	Billie Campbell
3:35 p.m.	What is Hazard Mitigation? Definition Planning Process	Billie Campbell
3:40 p.m.	Work Session on Goals and Objectives Overview of results of Hazard Identification and Risk Analysis (HIRA)	Daniel Nairn
3:50 p.m.	Presentation of problem statements from HIRA Group work: defining categories/themes	Will Cockrell
4:05 p.m.	Group work: goals and objectives	
4:35 p.m.	Group reports	
4:55 p.m.	Next Steps Meetings with localities to identify specific activities On-line survey Public Hearing and adoption process	Will Cockrell

Hazard Mitigation Session

Wednesday, October 18 2011

3:30 p.m. - 5:00 p.m.

Last Name	First Name	Town/County/Organization	Phone	Email
Anderson ✓	Elaine	Emergency Shelter Mgr, Orange Co.	(540) 672-1536	triadorangecounty@juno.com
Brown ✓	Nate	IRC	(434) 971-9629	nateb@ntelos.net
Brown ✓	James	Charlottesville City Sheriff	(434) 970-3777	brownja@charlottesville.org
Conley ✓	Ryne	Dept of Forestry - Louisa County		
Creasy ✓	Missy	City of Charlottesville		CREASYM@CHARLOTTESVILLE.ORG
deVecchio ✓	Brian	Retired, UVA Police Emer Planning Coor	(434) 842-2566	bed@virginia.edu
Dittmar ✓	Joan	DeSimone LLC	(434) 295-0179	jedittmar@aol.com
Emerick ✓	Ruth	GIS & Planning Intern/NDS/C'ville	(434) 970-3331	emerickr@charlottesville.org
Felts ✓	Kirby	UVA Office of Emergency Preparedness	(434) 243-8279	kf9y@eservices.virginia.edu
Filep ✓	Erik	Dept of Forestry - Albemarle County	434 971-1526	erik.Filep@doh.virginia.gov
Freeman ✓	John	Alb Co Dept of Social Svcs	(434) 972-4011 x3379	jfreeman@albemarle.org
Freitas ✓	Michael	Alb. Co. General Services	(434) 296-5816	mfreitas@albemarle.org
Gaines ✓	John	NAACP - Charlottesville	(434) 882-1812	jgaines@hotmail.com
Herndon ✓	Jim	City of Charlottesville	(434) 970-3182	herndon@charlottesville.org
Higgins ✓	Patricia	TJ Health District Medical Reserve Corp		
Hooper ✓	Fran		(202) 309-5690	fhoops@aol.com
Kindler ✓	Ashley	Principal, Murray High School	(434) 296-3090	akindler@k12albemarle.org

Last Name	First Name	Town/County/Organization	Phone	Email
Lawson	Mike	Fluvanna County Zoning Board	(434) 589-6437	lawsontechnical@comcast.net
Murphy	Shelley	Piedmont Housing Alliance		shelley@piedmonthousing.org
Muse	Janet	Blue Ridge Care Connection for Children	434-924-0222	jam4gs@virginia.edu
Norcutt	Okey	Chief Info Officer, Blue Ridge Med. Ctr	(434) 263-7324	okeyn@brmedical.com
O'Connor	Gary	Exec Dir, ACSA	(434) 977-4511 x 3	goconnell@serviceauthority.org
Peoples	Mike	Red Cross/DSB Board Member	(434) 979-7143	disastertraining@redcrossva.org
Powell	David	Dept of Forestry - Asst. Regional Mgr		
Reavis	Paul	Special Assistant for Disaster Planning, VA Department of Social Services	(434) 799-1670	paul.reavis@dss.virginia.gov
Rhodes	L.E.	Dept of Forestry - Albemarle County		
Rudder	John	UVA Institute on Aging	(434) 982-4419	jbr8d@virginia.edu
Sappington	Alyson	TJSWCD	(434) 975-0224	alyson.sappington@tjswcd.org
Saxon	Tracy	Vice Principal, Sutherland MS	(434) 975-0599	tsaxon@k12albemarle.org
Schmitt	Carl	Greene Co. BOS	(434) 985-9815	chschrmitt@firstnetva.com
Shepard	Karen	Exec Dir, MACAA	(434) 295-3171 x 3044	kshepard@macaa.org
Sherman	Kyle	TJ Health District Medical Reserve Corp	(434) 972-6230	Kyle.Sherman@vdh.virginia.gov
Shull	Amy	TJ Health District Medical Reserve Corp (Not v. of precedence)		
Sidebottom	Marge	Director of UVA Office of emergency (Bike & Pedestrian Committee) preparedness		m1s9m@eservices.virginia.edu
Warring	Martha	Dept of Forestry - Nelson County		
Williams	Bobbie	SPA Neighborhood Assoc	703 973-8851	bbwms44@gmail.com
Wilson	Mary	District Mgr, DCSE	(434) 984-9904	mary.wilson@dss.virginia.gov

epw Worrall Emilee M.R.C. 434-966-2029 emilee@iarc.biz

How Can We Be More Prepared? Making Our Community More Resilient to Natural Disasters

Public Meeting
Water Street Center
Wednesday, February 8, 2012, 3:00 – 5:00 p.m.

AGENDA

Goals:

- (1) *Report on the progress on the update of the Regional Hazard Mitigation Plan*
 - a. *Present goals and objectives developed from input from October 19, 2011*
 - b. *Share results of the on-line survey*
- (2) *Receive input on activities to include in the updated plan*

3:00 p.m.	Welcome	Billie Campbell
3:05 p.m.	Progress report on Plan Update Purpose of Hazard Mitigation Plan Timetable to complete the plan update Hazard Identification and Risk Analysis (HIRA) approved by VDEM Results of on-line survey	Daniel Nairn
3:25 p.m.	Activities Goals and Objectives Activities identified by localities to date	Will Cockrell
3:45 p.m.	Group work: recommendations for activities to include	
4:25 p.m.	Group reports	
4:55 p.m.	Next Steps Additional Meetings with localities Public Hearing and adoption process	Will Cockrell

Note: The HIRA, goals and objectives, and the on-line survey are available on-line at <http://www.tjpd.org/environment/index.asp>

Hazard Mitigation Workshop
 Wednesday, February 8, 2012
 3:00 - 5:00 p.m.

	Last Name	First Name	Town/County/Organization	Phone	Email
1	Creasy	Missy ✓	Charlottesville - NDS	(434) 970-3182	creasym@charlottesville.org
2	Emerick	Ruth ✓	Charlottesville - NDS	(434) 970-3331	emerickr@charlottesville.org
3	Herndon	Jim	Charlottesville - NDS	(434) 970-3182	herndon@charlottesville.org
4	O'Connell	Gary ✓	ACSA	(434) 977-4511 x3	goconnell@serviceauthority.org
5	Padalino	Tim ✓	Nelson County	[434]-263-7094	tpadalino@nelsoncounty.org
6	Peoples	Mike ✓	American Red Cross	434-979-7143	director@guidinglightfoundation.com
7	Snow	Duane	Albemarle Co BOS	(434)284-0825	dsnow@albemarle.org
8	Thompson	Ella Jo ✓	Piedmont Housing Alliance	434-817-2436	ellat@piedmonthousing.org
9	Brown	James	Sheriff, City of Charlottesville	(434) 970-3777	brownja@charlottesville.org
10	Felts	Kirby ✓	UVA, Office of Emergency Preparedness	434-243-8279	kfelts@virginia.edu KF
11	Anderson	Elaine	TRIAD Coordinator, Orange County	540-672-1536	triadorangecounty@juno.com
12	Brown	Nate ✓			
13					
14					
15					
16					
17					

Central Virginia Newspapers Review Order Confirmation for Ad #0002800333-01

Ad Content Proof Actual Size

PUBLIC HEARING:

Regional Natural Hazard Mitigation Plan: Final review of a 5-year plan for reducing risk of loss of life and property from hazard events in the Thomas Jefferson Planning District.

Public Hearing:

Thursday, November 1st, 2012, 7:00 PM

The Thomas Jefferson Planning District Commission (TJPD) will hold a public hearing regarding the adoption of the 2012 Regional Natural Hazard Mitigation Plan for the Thomas Jefferson Planning District. All elected bodies in the region have passed resolutions supporting the plan, and this hearing will constitute the final review of the regional plan. This public hearing will be held on Thursday, November 1st at 7:00 pm, in the Water Street Center, 407 E. Water Street, Charlottesville VA, 22902.

The public is welcomed and encouraged to attend this public hearing. The full plan may be downloaded at <http://www.tjpd.org/environment/hazard.asp>. Comments may also be submitted via telephone, fax, email or letter to the Commission: POB 1505, Charlottesville, VA 22902; phone (434) 979-7310; fax (434) 979-1597; email: info@tjpd.org. Hearing impaired persons may call 711 for information.

**RESOLUTION
ALBEMARLE COUNTY ADOPTION
OF THE
REGIONAL NATURAL HAZARD MITIGATION PLAN**

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and

WHEREAS, the Thomas Jefferson Planning District's Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and

WHEREAS, Albemarle County has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through participation on the Working Group, participation in two public workshops, review by the Albemarle-Charlottesville-UVa Local Emergency Planning Committee (LEPC) on two occasions, and final review by staff; and

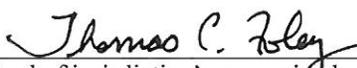
WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and

WHEREAS, hazard mitigation is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters.

NOW THEREFORE BE IT RESOLVED, the Albemarle County Board of Supervisors does hereby adopt the Regional Natural Hazard Mitigation Plan.

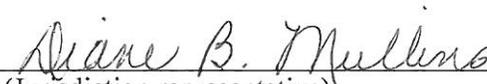
ADOPTED by the Albemarle County Board of Supervisors on this 12th day of September, 2012.

APPROVED



(Head of jurisdiction's governing body)

ATTEST



(Jurisdiction representative)

Missy

**RESOLUTION
CITY OF CHARLOTTESVILLE ADOPTION OF THE
REGIONAL NATURAL HAZARD MITIGATION PLAN**

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and,

WHEREAS, the Thomas Jefferson Planning District's Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and,

WHEREAS, The City of Charlottesville has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through participation on the Working Group, participation in two public workshops, review by the Albemarle-Charlottesville-UVa Local Emergency Planning Committee (LEPC) on two occasions, and review by the City Council during their March 19th, 2012 meeting; and,

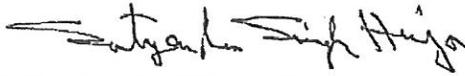
WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and,

WHEREAS, hazard mitigation is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters; and,

NOW THEREFORE BE IT RESOLVED, the City of Charlottesville Council does hereby adopt the Regional Natural Hazard Mitigation Plan.

ADOPTED by the City of Charlottesville Council on this 17th day of September, 2012.

APPROVED



(Head of jurisdiction's governing body)

ATTEST



(Jurisdiction representative)

**RESOLUTION
TOWN OF COLUMBIA ADOPTION
OF THE
REGIONAL NATURAL HAZARD MITIGATION PLAN**

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and,

WHEREAS, the Thomas Jefferson Planning District's Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and,

WHEREAS, The Town of Columbia has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through invitation/participation on the Working Group, invitation/participation in two public workshops, review by the Fluvanna County Local Emergency Planning Committee (LEPC), and review by the Town of Columbia Council during their February 21, 2012 work session; and,

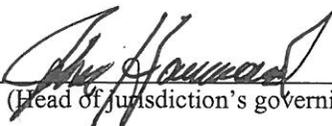
WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and,

WHEREAS, hazard mitigation is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters; and,

NOW THEREFORE BE IT RESOLVED, the Town of Columbia Council does hereby adopt the Regional Natural Hazard Mitigation Plan.

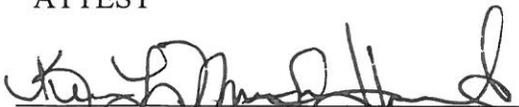
ADOPTED by the Town of Columbia Council on this 15th day of Oct, 2012.

APPROVED



(Head of jurisdiction's governing body)

ATTEST



(Jurisdiction representative)

**RESOLUTION
FLUVANNA COUNTY ADOPTION
OF THE
REGIONAL NATURAL HAZARD MITIGATION PLAN**

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and,

WHEREAS, the Thomas Jefferson Planning District's Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and,

WHEREAS, Fluvanna County has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through participation on the Working Group, participation in two public workshops, review by the Fluvanna County Local Emergency Planning Committee (LEPC), and review by the Board of Supervisors during their March 7th, 2012 meeting; and,

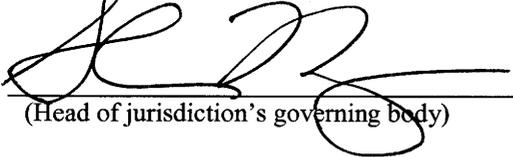
WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and,

WHEREAS, hazard mitigation is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters; and,

NOW THEREFORE BE IT RESOLVED, the Fluvanna County Board of Supervisors does hereby adopt the Regional Natural Hazard Mitigation Plan.

ADOPTED by the Fluvanna County Board of Supervisors on this 17th day of OCT, 2012.

APPROVED



(Head of jurisdiction's governing body)

ATTEST



(Jurisdiction representative)

**RESOLUTION
GREENE COUNTY ADOPTION
OF THE
REGIONAL NATURAL HAZARD MITIGATION PLAN**

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and,

WHEREAS, the Thomas Jefferson Planning District's Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and,

WHEREAS, Greene County has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through participation on the Working Group, participation in two public workshops, and review by the Board of Supervisors during their February 28th, 2012 meeting; and,

WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and,

WHEREAS, hazard mitigation is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters; and,

NOW THEREFORE BE IT RESOLVED, the Greene County Board of Supervisors does hereby adopt the Regional Natural Hazard Mitigation Plan.

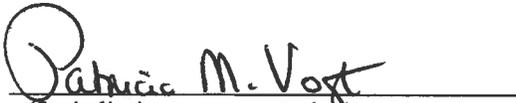
ADOPTED by the Greene County Board of Supervisors on this 12th day of Sept., 2012.

APPROVED



(Head of jurisdiction's governing body)

ATTEST



(Jurisdiction representative)

**RESOLUTION
TOWN OF LOUISA ADOPTION
OF THE
REGIONAL NATURAL HAZARD MITIGATION PLAN**

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and,

WHEREAS, the Thomas Jefferson Planning District's Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and,

WHEREAS, The Town of Louisa has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through invitation/participation on the Working Group, invitation/participation in two public workshops, and review by the Town of Louisa Council during their February 21, 2012 meeting; and,

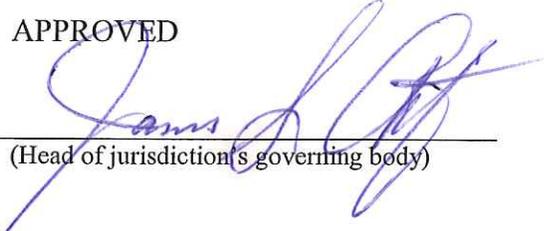
WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and,

WHEREAS, hazard mitigation is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters; and,

NOW THEREFORE BE IT RESOLVED, the Town of Louisa Council does hereby adopt the Regional Natural Hazard Mitigation Plan.

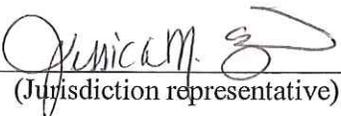
ADOPTED by the Town of Louisa Council on this 18th day of SEPT, 2012.

APPROVED



(Head of jurisdiction's governing body)

ATTEST



(Jurisdiction representative)

**BOARD OF SUPERVISORS
COUNTY OF LOUISA
RESOLUTION**

At a regular meeting of the Board of Supervisors of the County of Louisa held in the Louisa County Office Building at 6:00 PM on the 1st day of October 2012, at which the following members were present, the following resolution was adopted by a majority of all members of the Board of Supervisors, the vote being recorded in the minutes of the meeting as shown below:

RESULT:	APPROVED [UNANIMOUS]
MOVER:	Fitzgerald A. Barnes, Patrick Henry District Supervisor
SECONDER:	Troy J. Wade, Louisa District Supervisor
AYES:	Barlow, Barnes, Byers, Gentry Jr., Harper, Havasy, Wade

A RESOLUTION FORMAL ADOPTION OF REGIONAL HAZARD MITIGATION PLAN

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and,

WHEREAS, the Thomas Jefferson Planning District's Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and,

WHEREAS, Louisa County has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through participation on the Working Group, participation in two public workshops, and review by the Board of Supervisors during their February 21, 2012 and March 5, 2012 meetings; and,

WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and,

WHEREAS, hazard mitigation is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters; and,

NOW, THEREFORE, BE IT RESOLVED, on this 1st day of October 2012, that the Louisa County Board of Supervisors hereby adopts the Regional Natural Hazard Mitigation Plan.

A Copy, teste:



Robert C. Dubé, Clerk
Board of Supervisors
Louisa County, Virginia

**RESOLUTION
TOWN OF MINERAL ADOPTION
OF THE
REGIONAL NATURAL HAZARD MITIGATION PLAN**

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and,

WHEREAS, the Thomas Jefferson Planning District's Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and,

WHEREAS, The Town of Mineral has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through invitation/participation on the Working Group, invitation/participation in two public workshops, review by the Mineral Business Association on October 17, 2011, and review by the Town of Mineral Council during their February 13, 2012 meeting; and,

WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and,

WHEREAS, hazard mitigation is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters; and,

NOW THEREFORE BE IT RESOLVED, the Town of Mineral Council does hereby adopt the Regional Natural Hazard Mitigation Plan.

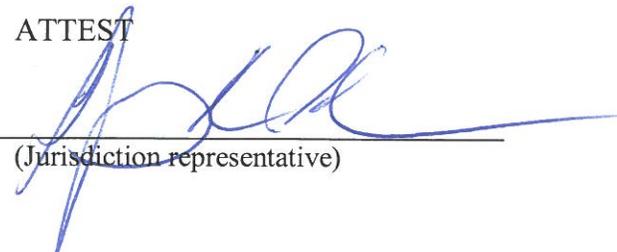
ADOPTED by the Town of Mineral Council on this 10 day of Sept, 2012.

APPROVED



(Head of jurisdiction's governing body)

ATTEST



(Jurisdiction representative)



BOARD OF
SUPERVISORS

THOMAS D. HARVEY
North District

LARRY D. SAUNDERS
South District

ALLEN M. HALE
East District

THOMAS H. BRUGUIERE, JR.
West District

CONSTANCE BRENNAN
Central District

STEPHEN A. CARTER
Administrator

CANDICE W. McGARRY
Administrative Assistant/
Deputy Clerk

DEBRA K. McCANN
Director of Finance and
Human Resources

RESOLUTION R2012-67
NELSON COUNTY BOARD OF SUPERVISORS
ADOPTION OF THE REGIONAL NATURAL HAZARD MITIGATION PLAN

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and,

WHEREAS, the Thomas Jefferson Planning District's Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and,

WHEREAS, Nelson County has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through participation on the Working Group, participation in two public workshops, and review by the Board of Supervisors during their March 13, 2012 meeting; and,

WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and,

WHEREAS, hazard mitigation is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters; and,

NOW THEREFORE BE IT RESOLVED, the Nelson County Board of Supervisors does hereby adopt the Regional Natural Hazard Mitigation Plan.

Adopted: September 27, 2012

Attest: Stephen A. Carter, Clerk
Nelson County Board of Supervisors

**RESOLUTION
TOWN OF SCOTTSVILLE ADOPTION
OF THE
REGIONAL NATURAL HAZARD MITIGATION PLAN**

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and,

WHEREAS, the Thomas Jefferson Planning District's Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and,

WHEREAS, The Town of Scottsville has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through invitation/participation on the Working Group, invitation/participation in two public workshops, review by the Albemarle-Charlottesville-UVA Local Emergency Planning Committee (LEPC) on two occasions, and review by the Town of Scottsville Council during their May 14, 2012, work session; and,

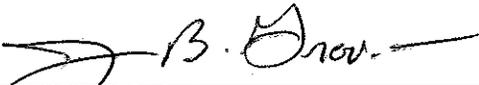
WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and,

WHEREAS, hazard mitigation is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters; and,

NOW THEREFORE BE IT RESOLVED, the Town of Scottsville Council does hereby adopt the Regional Natural Hazard Mitigation Plan.

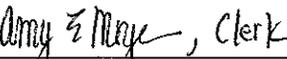
ADOPTED by the Town of Scottsville Council on this 19th day of November 2012.

APPROVED



(Head of jurisdiction's governing body)

ATTEST



(Jurisdiction representative)

**RESOLUTION
TOWN OF STANARDSVILLE ADOPTION
OF THE
REGIONAL NATURAL HAZARD MITIGATION PLAN**

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and,

WHEREAS, the Thomas Jefferson Planning District's Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and,

WHEREAS, The Town of Stanardsville has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through invitation/participation on the Working Group, invitation/participation in two public workshops, and review by the Town of Stanardsville Council during their February 13, 2012 meeting; and,

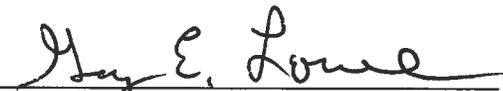
WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and,

WHEREAS, hazard mitigation is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters; and,

NOW THEREFORE BE IT RESOLVED, the Town of Stanardsville Council does hereby adopt the Regional Natural Hazard Mitigation Plan.

ADOPTED by the Town of Stanardsville Council on this 10th day of Sept., 2012.

APPROVED


(Head of jurisdiction's governing body)

ATTEST


(jurisdiction representative)



Thomas Jefferson

Planning District Commission

**RESOLUTION
THOMAS JEFFERSON PLANNING DISTRICT COMMISSION ADOPTION
OF THE
REGIONAL NATURAL HAZARD MITIGATION PLAN**

WHEREAS, the Disaster Mitigation Act of 2000, as amended, requires that local governments develop, adopt and update natural hazard mitigation plans in order to receive certain federal assistance; and,

WHEREAS, the Thomas Jefferson Planning District’s Regional Natural Hazard Mitigation Plan has been prepared in accordance with FEMA requirements at 44C.F.R. 201.6; and,

WHEREAS, each locality in the Thomas Jefferson Planning District Commission has been involved in the preparation of the Regional Natural Hazard Mitigation Plan through participation on the Working Group, participation in two public workshops, review by LEPCs and/or business groups, review by locality staff members and final review and adoption by governing bodies; and,

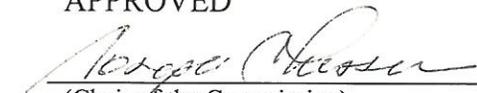
WHEREAS, the Virginia Department of Emergency Management (VDEM) and the Federal Emergency Management Agency (FEMA) have deemed the submitted plan satisfactory with no changes recommended; and,

WHEREAS, hazard mitigation planning is essential to protect life and property by reducing the potential for future damages and economic losses resulting from natural disasters; and,

NOW THEREFORE BE IT RESOLVED, the Thomas Jefferson Planning District Commission does hereby adopt the Regional Natural Hazard Mitigation Plan.

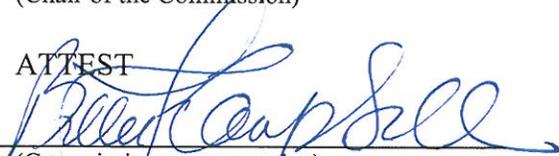
ADOPTED by the Thomas Jefferson Planning District Commission on this 1st day of November, 2012.

APPROVED



(Chair of the Commission)

ATTEST



(Commission representative)

