

Appendix A
Planning Process and Public Participation



The Regional Commission

313 Luck Avenue, SW / PO Box 2569 / Roanoke, Virginia 24010

TEL: 540.343.4417 / FAX: 540.343.4416 / www.rvarc.org / rvarc@rvarc.org

MEMORANDUM

TO: Local Government Administrators

FROM: Eddie Wells, AICP, Senior Planner

DATE: September 29, 2010

SUBJ: FEMA Pre-Disaster Mitigation Plan Update – Organizational meeting

The Roanoke Valley-Alleghany Regional Commission has received notification from the Virginia Department of Emergency Management that the application for funds to update the Regional Pre-Disaster Mitigation Plan has been approved.

The FEMA approved Roanoke Valley-Alleghany Regional Pre-Disaster Mitigation Plan is in effect for 5 years after the approval date (March 29, 2006). The Plan must be updated and resubmitted for approval within five years of the approval date in order for a jurisdiction to maintain eligibility for the Hazard Mitigation Grant Program, the Pre-Disaster Mitigation Program, and the Flood Mitigation Assistance Program. The Commission is serving as the central point of contact for monitoring implementation of the plan and the required 5-year updates. The Regional Pre-Disaster Mitigation Plan is online at <http://www.rvarc.org/disaster>.

The Pre-Disaster Mitigation Plan, unlike an Emergency Operations Plan, focuses on mitigating the potential impacts of natural disasters such as floods, winter storms and wildfires. The Plan update process will consist of public participation, risk assessment, mapping, mitigation strategies, and plan maintenance procedures. A key component of the effort will be an update of mitigation project listing for each jurisdiction.

We would like to have the appropriate representatives from each locality attend an organizational meeting for the Steering Committee on **November 3, 2010 at 10 am** in the Commission's conference room. Representatives attending the meeting should be familiar with past disasters and emergency services operations; this may be an emergency services coordinator, public works staff, planner or other member of local government. Localities may send more than one representative to the meeting. We anticipate meeting at least once a month during the planning process. The committee needs a core group that will participate directly in the development of the Pre-Disaster Mitigation Plan in addition to members that will serve in an advisory capacity to provide information on specific topics. A discussion of FEMA requirements, FEMA guidance, membership of the committee, and project schedule will take place at the meeting.

If you have any questions about the meeting or the Pre-Disaster Mitigation Plan requirements, please contact me at 540-343-4417 or ewells@rvarc.org.

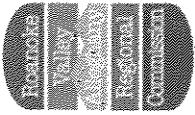


Regional Pre-Disaster Mitigation Plan Committee

Agenda

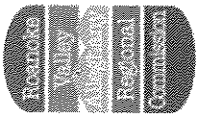
November 3, 2010

1. Welcome and Introductions
2. Purpose of the Plan
3. Review of Existing Plan
4. Public Input Strategy
5. Committee Membership
6. Schedule
7. Other Business



**Roanoke Valley-Alleghany Pre-Disaster Mitigation Plan Committee
Attendance Form
November 3, 2010**

Name	Agency / Company	Address	Phone	Email
Will Perry	National Weather Service	1750 Forecrest Dr. Blacksburg, VA 24060	540 0084 552-0000	TK.skylar@ noaa.gov
Mike Guro	City of Roanoke	703 3rd St Roanoke VA 24016	540 853 2426	Michael.guro@ roanokeva.gov
CHRIS CLARK	ALLEGHANY CO. PUBLIC WORKS	9212 WINTERBERRY AVE, SUITE A COVINGTON, VA 24426	540-863-6650	ccclark@co.alleghany.va.us
BARRY BALSER	CLIFTON FORGE POLICE DEPT.	547 MAIN ST. CLIFTON FORGE, VA 24422	540 863.2513	BARRY.BALSER@ CLIFTONFORGEVA.GOV
PAPA MONTESPAGH	Alleghany Co. Public Safety	9212 Winterberry Ave., Suite C Covington, VA 24426	540-863-6600	pmontespagh@co. Alleghany.va.us
Jim Cady	Craig County	5248 Upper Craigs Creek Road Catawba, Va 24070	540-864-6575	JimCady1@CG-mail.com
Josephus Johnson - Koroma	City of Roanoke	215 Church Ave, Room 350 Roanoke, VA 24011	540-853-2906	josephus.johnson-koroma @roanokeva.gov
GEORGE SIMPSON	ROANOKE COUNTY	5204 BERNARD DR, SW ROANOKE, VA. 24018	540.772.2080	gsimpson@roanoke countyva.gov
CHARLES GRANT	CITY OF SALEM	114 NORTH BROAD STREET SALEM, VA 24153	540 375 3032	cgrant@ saalemva.gov
Bob Boeren	Virginia Dept. of Forestry	P.O. Box 100 Salem, VA 24153	540 387-5461	bob.boeren@ dof.virginia.gov



**Roanoke Valley-Alleghany Pre-Disaster Mitigation Plan Committee
Attendance Form
November 3, 2010**

Name	Agency / Company	Address	Phone	Email
Brad Wright	VA Dept. of Forestry Wildfire Hazard Mitigation Specialist	724 Maple Street Dublin VA 24034	540-616-6156	brad.wright@dof.virginia.gov
Spencer Suter	Botetourt County (Rep. Town of Fincastle Town of Troutville as well)	205 N Roanoke St Fincastle, VA 24090	540-473-8301	suter@botetourt.org
Rob Logan	Western Va EMS Council; RVARC	1944 Peters Creeds Rd Rice 24017	540-562-3482	logan@vaems.org
Robbie Costes	VOEM	10501 Trade Court Richmond, VA 23236	804-897-9976	robbie.costes@voem.virginia.gov
Harry Gleason	Town of Buchanan	PO Box 205 Buchanan, Virginia 24066	540-254-1212	hgleason@verizon.net
ANITA MCMILLAN	TOWN OF VINTON	311 S. POLLARO STREET VINTON, VA 24179	540-983-0601	amcmillon@vintonva.gov
STEVE CARROLL	CITY OF COVINGTON	333 WEST LOCUST ST. COVINGTON VA 24426	540-965-6345	sccarroll@covington.va.us
Chris Lawrence	Town of VINTON	311 S. Pollard St. Vinton, VA 24179	540-983-0607	clawrence@vintonva.gov
Joy Stump	Roanoke County	5925 Cove Rd Roanoke VA 24079	540-777-8722	jstump@roanokecountyva.gov
Eddie Wells	RVARC	PO Box 2569 Roanoke VA 24010	540-343-4417	ewells@rvarc.org



Regional Pre-Disaster Mitigation Plan Committee

Agenda

November 3, 2010
10 a.m.

1. Welcome and Introductions

Identify who was not previously on the committee; provide info

2. Purpose of the Plan

Stafford Act; Meet pre-grant requirements for programs; see notes

Plan for physical improvements; inform the public

Update will allow us to spend less time researching the historic data and spend more on public input and future projects

3. Review of Existing Plan

Focus on locality projects and mapping/risk assessment.

Will be contacting other agencies as needed – VDOT, NWS, USGS

Review sections relating to your locality; note any changes such as new flood studies, dam improvements, new stream gages, flooded roadways, new ordinances, NFIP and CRS participation

4. Public Input Strategy

Need more public participation website; survey combine with other events

Additional ways to share the plan and announce meetings: Web page, Facebook

5. Committee Membership

Are the appropriate folks around the table?

Are there staff with specialized knowledge that should be consulted for certain sections of the plan

6. Schedule

Contract Started in September

Officially the Plan expires in March 2011; OK as long as we are working on the update

Would like to meet on a monthly basis? Bi-monthly?

Need time at the end for VDEM review, FEMA review, adoption by the local governments

complete by _____

7. Other Business

send powerpoint. (tue wed 1st

grants due dec 2011

PKT

Roanoke Valley – Allegheny Region Pre-Disaster Mitigation Plan Update



11/03/10

Disaster Mitigation Act of 2000 Purpose

- Amend the Robert T. Stafford Disaster Emergency Assistance Act.
- Established a national pre-disaster mitigation program at the state and local government level.
- Streamlines disaster relief.
- Controls Federal costs of assistance.
- Coordination with all local interest groups.
- Identification of specific projects and actions.
- Links to the State planning process.

11/03/10

Local Impact

- Places a new emphasis on mitigation planning at the local government level.
- Ties Hazard Mitigation Grant Program (HMGP) and Pre-Disaster Mitigation Program (PDM) eligibility to plan approval.
- Local governments are required to develop and submit an adopted mitigation plan as a condition to receive ANY mitigation funding.
- In 2002 VDEM requested that PDCs take the lead in developing regional pre-disaster mitigation plans. Plan was approved by FEMA March 29, 2006.

11/03/10

Plan Requirements – Process

- Public participation and comment throughout plan development.
- Process includes neighboring communities, interested agencies, private and non-profit organizations.
- Review and incorporation of any appropriate existing plans.
- Documentation of the planning process.

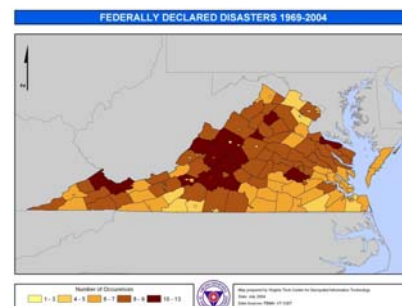
11/03/10

Plan Requirements – Risks

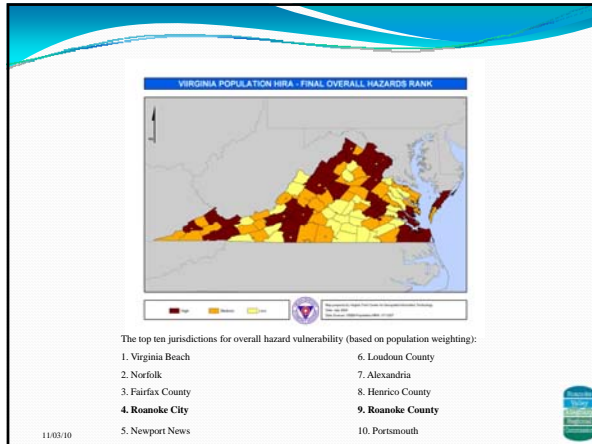
Identify all hazards and related risks

- Profile hazard events (type, location)
- Identify assets
- Assess vulnerability
- Estimate potential loss
- Analyze development trends

11/03/10

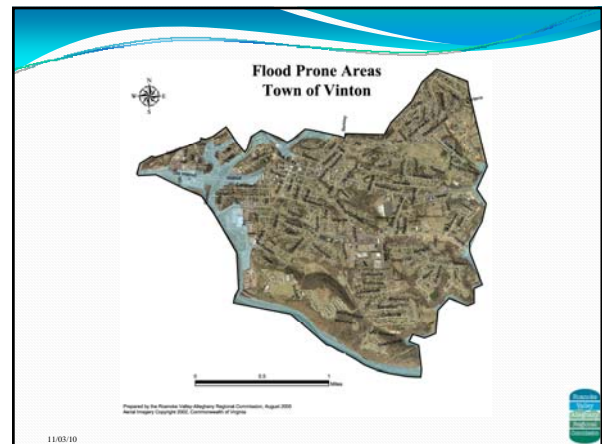
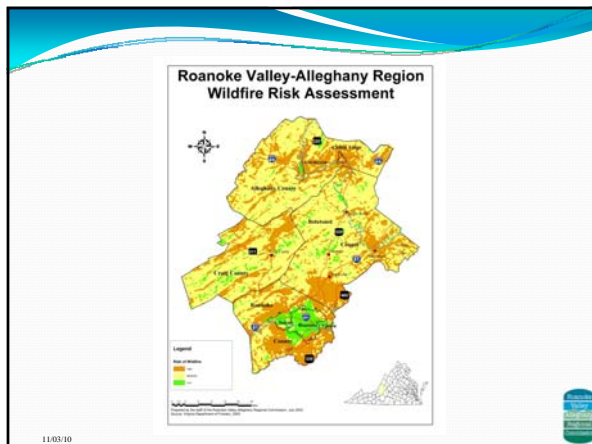
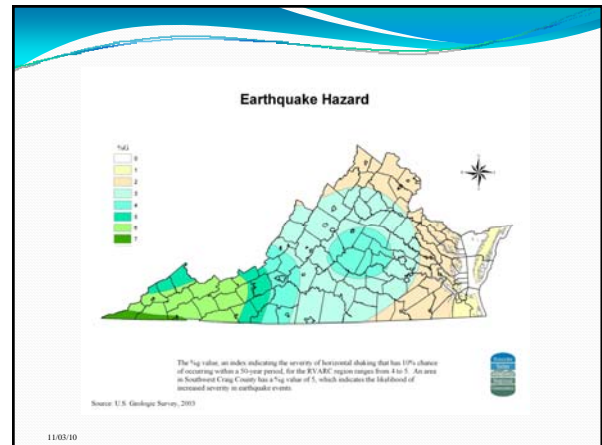


11/03/10



- ## Natural Disasters Identified
- Earthquake
 - Flood
 - Hurricane
 - Karst
 - Landslide
 - Tornado
 - Wildfire
 - Winter Storm
- 11/03/10

- ## Extent, Occurrence, and Probability
- Natural Hazard Extent (local or jurisdiction-wide impact)
 - Natural Hazard Past Occurrences
 - Natural Hazard Probability of Occurrence
- 11/03/10



NFIP Claims 1978-2001

Community Name	Total Losses	Closed Losses	Open Losses	CWOP Losses	Total Payments
Allegheny County	161	140	0	21	\$1,987,616.48
Botetourt County	174	154	0	20	\$1,980,616.48
Clifton Forge, Town of	7	7	0	0	\$44,239.52
Covington, City of	137	122	0	15	\$823,107.58
Craig County	55	36	0	19	\$397,364.50
Roanoke County	311	249	0	62	\$2,564,993.76
Roanoke, City of	792	644	0	148	\$12,850,011.78
Salem, City of	449	369	0	80	\$8,316,201.62
Vinton, Town of	71	54	0	17	\$1,166,598.98
RVARC	2,157	1,775	0	382	\$30,130,750.70
Virginia	15,100	10,880	22	4,198	\$141,191,186.10

Source: FEMA, National Flood Insurance Program, 2003.

Note: Total losses - All losses submitted regardless of the status; Closed losses - Losses that have been paid.

Open losses - Losses that have not been paid in full; CWOP losses - Losses that have been closed without payment; Total Payments - Total amount paid on losses.

11/03/10

Damage Estimates

Allegheny County Flood Damage Estimates (Unincorporated Areas)						
	Number of Parcels		Value of Structures		Contents	Number of People Affected
	Total	Number in Floodplain*	All Structures	Structures in Floodplain	Replacement Value	
Residential	383	383	\$28,851,100	\$14,425,550		942
Commercial	141	141	\$17,114,301	\$17,114,301		unknown
Total	524	524	\$45,965,401	\$31,539,851		na

*Parcels with structures

Estimated Total Loss \$77,505,252

Source: Roanoke Valley-Allegheny Regional Commission, 2003.

Botetourt County Flood Damage Estimates (Unincorporated Areas)						
	Number of Parcels		Value of Structures		Contents	Number of People Affected
	Total	Number in Floodplain*	All Structures	Structures in Floodplain	Replacement Value	
Residential	362	362	\$12,796,700	\$6,398,350		914
Commercial	91	91	\$11,045,400	\$11,045,400		unknown
Total	21,389	456	\$848,660,900	\$23,842,100		na

*Parcels with structures

Estimated Total Loss \$41,285,850

Source: Real Estate Assessment for Botetourt County, 2003; Botetourt County GIS, 2003; and Roanoke Valley-Allegheny Regional Commission, 2003.

11/03/10

Six Types of Mitigation Measures Considered

- Prevention
- Property Protection
- Public Education and Awareness
- Natural Resource Protection
- Emergency Services
- Structural Projects

11/03/10

Roanoke Valley-Allegheny Regional Commission

Hazard Mitigation Projects in Need of State and Federal Assistance

Project	Hazard Mitigated	Benefit	Cost*	Benefit in 4-yr	Priority	Funding Partners	Implementation Lead Agency	Proposed Schedule
Flood hazard mapping update/modernization (commencement of maps to DRBMA)	Flooding	Increased accuracy of flood maps and more effective regulation and enforcement of regulations	\$50,000	High	High	FEMA, VDEM	RVARC	12-24 Months
Bank lending to prepare site-specific hydrologic and hydraulic studies	Flooding	Inventory areas that have chronic and repetitive flooding problems, determine methods to eliminate repetitive loss	\$10,000	Medium	Medium	FEMA, VDEM	RVARC	24 months
Flood prone roadway study/database	Flooding	Inventory areas for planning purposes (road improvements, limitation of development)	\$25,000	Medium	Medium	FEMA, VDEM, VDOT	RVARC	12 months (Ongoing)
Participate in FEMA's Cooperating Technical Partners (CTP) program and Digital Flood Insurance Rate Maps (DFIRM) program	Flooding	Increased accuracy of flood maps and more effective regulation and enforcement of regulations	\$5,000	High	Medium	FEMA, VDEM	RVARC	Ongoing
Identify streams that need additional BRDFW	Flooding	Improve early warning of flooding, ensure that these areas are adequately covered and monitored	\$2,500	High	Medium	FEMA, VDEM	RVARC	12 months
Identify funding and resources for delivering landslide hazards	Landslide	Food planning and decision-making, limitation of new development	\$5,000	Medium	Low	FEMA, VDEM, USGS, VDOT	RVARC	24 months

11/03/10

Plan Requirements – Maintenance

- Plan Adoption
- Coordinating Body
- Implementation Through Existing Programs
- Evaluating and Updating the Plan
- Public Involvement

11/03/10

Plan Requirements – Adoption

- Once VDEM & FEMA approve the final draft, as stated by the Federal Regulations, the plan must be formally adopted by all participating jurisdictions in order to remain eligible for the Hazard Mitigation Grant Program (HMGP) and Pre-Disaster Mitigation Program (PDM).
- VDEM encourages local governments to adopt this plan by resolution.

11/03/10



Additional Information

www.rvarc.org/disaster



11/03/10

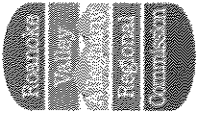


Regional Pre-Disaster Mitigation Plan Committee

Agenda

January 12, 2011
11 a.m.


1. Welcome and Introductions
2. Revised Project Schedule
3. Mapping – Existing Resources and Needs
4. Review Risk Assessment Ranking Tables (see Chapter 3 of the Plan)
5. Other Business



**Roanoke Valley-Alleghany Pre-Disaster Mitigation Plan Committee
Attendance Form
January 12, 2011**

Name	Agency / Company	Address	Phone	Email
Eddie Wells	RVARC	PO Box 2569, Roanoke 24010	343-4417	ewells@rvarc.org
Spencer Sopher	Boyetourt Co	205 N Roanoke St, Finastle 24098	473-8301	ssopher@boyetourt.org
Mike Guzo	City of Roanoke	1914 Oxford Ave SW 713 3rd St	853 2426	Michael.guzo@Roanoke.va.gov
Joey Stump	Roanoke County	5925 Cape Rd Roanoke VA 24019	777- 8722	jstump@roanokecounty.va.gov
GEORGE SIMPSON	ROANOKE COUNTY	P.O. Box 29800 Roanoke, VA. 24018	772-2080	gsimpson@roanokecounty.va.gov
CHARLES GRANT	SALEM	PO BOX 869 SALEM, VA 24153	875-3032	cgrant@saalem.va.gov
Peter Corrigan	MNS/Blacksburg	1750 Forecast Dr Blacksburg, VA 24060	540-552-1341	Peter.Corrigan@ncaa.gov
STEVE CARRALL	CITY OF COVINGTON	333 W. Locust St. COVINGTON, VA 24426	540-9656345	scarrall@covington.va.us
Karla Turman	Town of Vinton	311 S. Pollard St. Vinton, VA 24179	983-0605	KTurman@vintonva.gov
STAN CRIGGER	VIEM	5680 VALLEY CENTER DRIVE ANDFORD, VA 24141	831-4076	STAN.CRIGGER@VAE.M.VIRGINIA.GOV

Roanoke Valley – Alleghany Region Pre-Disaster Mitigation Plan Update



January 12, 2011

**Roanoke Valley-Alleghany Regional Pre-Disaster Mitigation Plan
Proposed Schedule**

Task	Time (Days)	Original (Application)	Revised (11/03/10)
Organize Committee	30	April 2010	October 2010
Kick-Off meeting	1	April 2010	November 2010
Identify Hazards	60	June 2010	Nov-Dec, 2011
Assess Risks	90	July 2010	Nov-Jan, 2011
Identify Vulnerabilities	90	July 2010	Nov-Jan, 2011
Estimate Losses	60	July 2010	Jan-Feb, 2011
Evaluate Existing Strategies	60	August 2010	Jan-Feb, 2011
Develop New Strategies	60	September 2010	Feb-Mar, 2011
Final Draft of Plan	60	November 2010	Mar-April, 2011
VDEM Review & Approval	30	December 2010	May 2011
FEMA Review & Approval	45	January 2011	June 2011
Local Adoption	60	March 2011	July 2011

Mapping Resources and Needs

Available

- Earthquake
- Hurricane
- Wildfire
- Fire & Rescue
- Transportation
- Haz Mat Sites
- Tax Parcels
- Floodplain

Needed

- Critical Facilities

Risk Assessment Ranking

**Table 14
Natural Hazard
Probability of Occurrence**

Locality	Earthquake	Flood	Hurricane/Landslide	Tornado	Wildfire	Winter Storm
Alleghany County	M	M	L	M	L	M
Berkeley County	M	M	L	M	L	M
Town of Backman	M	H	L	M	L	M
Town of Chilton Forge	M	H	L	M	L	M
City of Covington	M	H	L	M	L	M
Craig County	M	L	L	M	L	M
Town of Fincastle	M	L	L	M	L	M
Town of Iron Gate	M	L	L	M	L	M
Town of New Castle	M	L	L	M	L	M
City of Roanoke	M	H	L	M	L	M
Roanoke County	M	H	L	M	L	M
City of Salem	M	H	L	M	L	M
Town of Troutville	M	L	L	M	L	M
Town of Vinton	M	M	L	M	L	M

Probability
 H - High Probability based on past number of occurrences.
 M - Medium Probability based on past number of occurrences.
 L - Low Probability based on past number of occurrences.

**Table 15
Natural Hazard
Extent of Disaster**

Locality	Earthquake	Flood	Hurricane/Landslide	Tornado	Wildfire	Winter Storm
Alleghany County	L	L	J	L	L	J
Berkeley County	L	L	J	L	L	J
Town of Backman	L	L	J	L	L	J
Town of Chilton Forge	L	L	J	L	L	J
City of Covington	L	L	J	L	L	J
Craig County	L	L	J	L	L	J
Town of Fincastle	L	L	J	L	L	J
Town of Iron Gate	L	L	J	L	L	J
Town of New Castle	L	L	J	L	L	J
City of Roanoke	L	L	J	L	L	J
Roanoke County	L	L	J	L	L	J
City of Salem	L	L	J	L	L	J
Town of Troutville	L	L	J	L	L	J
Town of Vinton	L	L	J	L	L	J

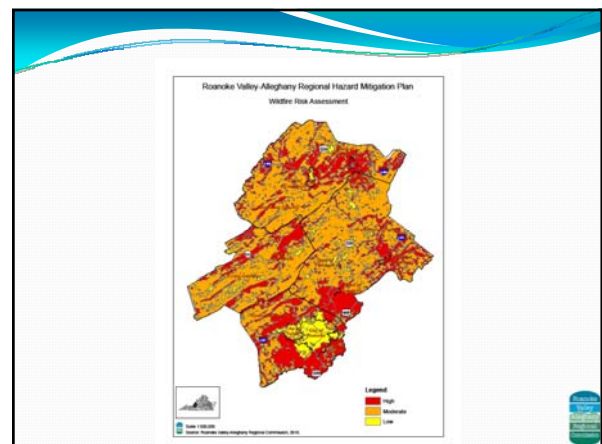
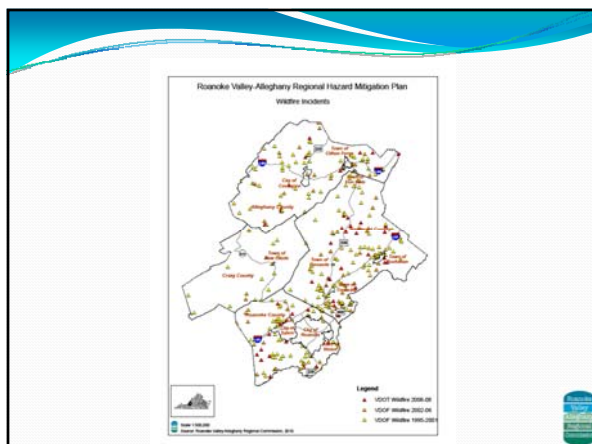
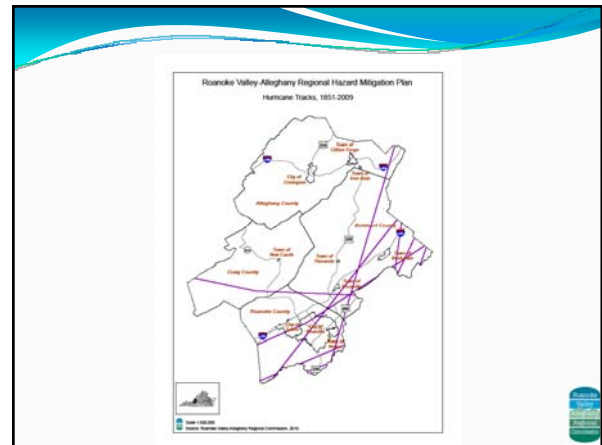
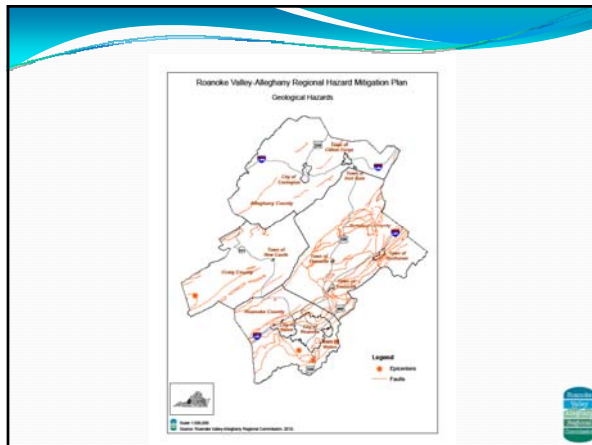
Extent
 L - Localized Area
 J - Jurisdiction-wide

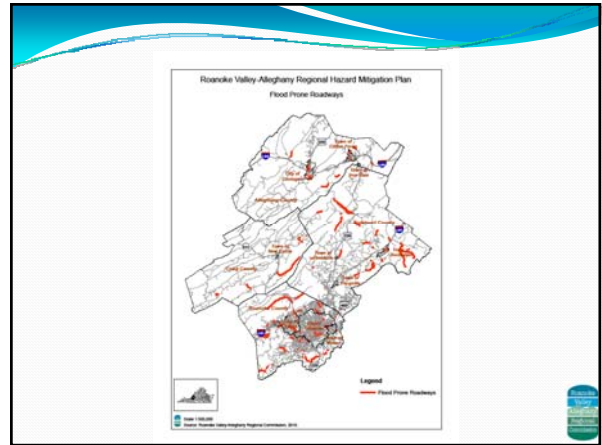
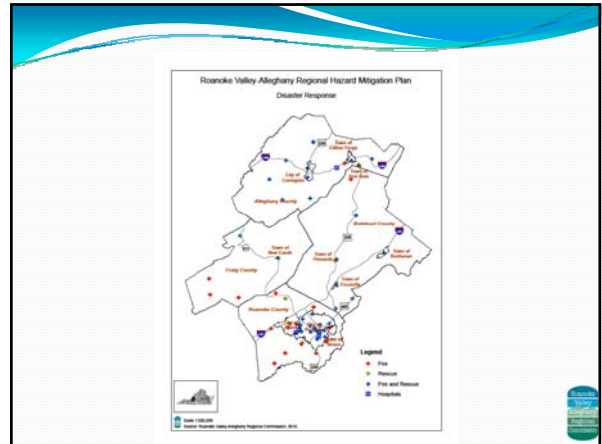
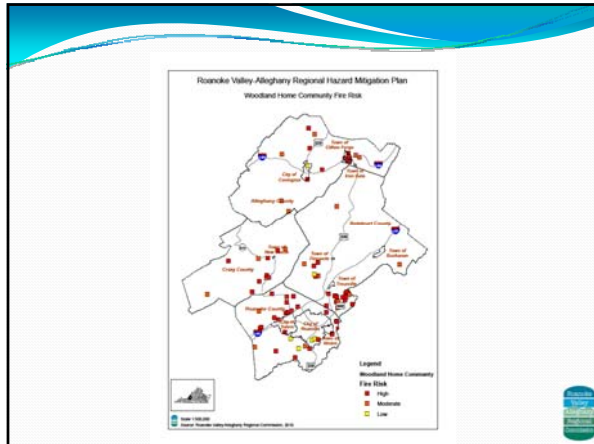
Table 16
Natural Hazard
Past Occurrences of Disaster

Locality	Earthquake	Flood	Hurricane	Landslide	Tornado	Wildfire	Winter Storm
Allegheny County	N	Y	Y	N	Y	Y	Y
Botetourt County	N	Y	Y	Y	Y	Y	Y
Town of Buchanan	N	Y	Y	N	N	N	Y
Town of Chilton Forge	N	Y	Y	Y	Y	N	Y
City of Covington	N	Y	Y	N	N	N	Y
Craig County	N	Y	Y	Y	N	Y	Y
Town of Fincastle	N	N	Y	N	N	N	Y
Town of Iron Gate	N	Y	Y	N	N	N	Y
Town of New Castle	N	Y	Y	N	N	N	Y
City of Roanoke	N	Y	Y	N	Y	N	Y
Roanoke County	N	Y	Y	Y	Y	Y	Y
City of Salem	N	Y	Y	N	Y	N	Y
Town of Troutville	N	Y	Y	N	N	N	Y
Town of Vinton	N	Y	Y	N	N	N	Y

Past Occurrences
Y - Yes
N - No

Hazard Inventory Mapping





**Roanoke Valley-Alleghany Regional Pre-Disaster Mitigation Plan
Proposed Schedule**

Task	Time (Days)	Original (Application)	Revised (11/03/10)
Organize Committee	30	April 2010	October 2010
Kick-Off meeting	1	April 2010	November 2010
Identify Hazards	60	June 2010	Nov-Dec, 2011
Assess Risks	90	July 2010	Nov-Jan, 2011
Identify Vulnerabilities	90	July 2010	Nov-Jan, 2011
Estimate Losses	60	July 2010	Jan-Feb, 2011
Evaluate Existing Strategies	60	August 2010	Jan-Feb, 2011
Develop New Strategies	60	September 2010	Feb-Mar, 2011
Final Draft of Plan	60	November 2010	Mar-April, 2011
VDEM Review & Approval	30	December 2010	May 2011
FEMA Review & Approval	45	January 2011	June 2011
Local Adoption	60	March 2011	July 2011



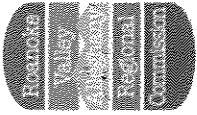
Regional Pre-Disaster Mitigation Plan Committee

Agenda

February 9, 2011

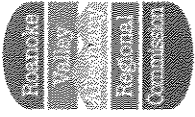
11 a.m.

1. Welcome and Introductions
2. Flood Risk Assessment
3. Review Capacity Assessment Tables
4. Revised Risk Assessment Ranking Tables
5. Other Business



**Roanoke Valley-Alleghany Pre-Disaster Mitigation Plan Committee
Attendance Form
February 9, 2011**

Name	Agency / Company	Address	Phone	Email
E Wells	RUTEC	Po Box 2569 Roanoke VA 24010	343-4417	ewells@vvarc.org
Math Miller	AVARC			mmiller@vvarc.org
GEORGE SIMPSON	ROANOKE COUNTY	5204 BERNARD DR. ROANOKE, VA. 24018	772.2280	jsimpson@roanokecountyva.gov
Robbie Costes	UDEM	10501 Trade Court Richmond, VA 23236	804-887-9976	robriecostes@uden.virginia.gov
CHARLES GRANT	CITY OF SALEM	P.O. BOX 869 SALEM VA 24153	875-3032	cgrant@saalemva.gov
Rob Logan	WVGM S	1974 Peters Creek Rd Roa 24017	562-3483	logan@vaems.org
Spencer Syter	Botetourt Co	205 N Roanoke St, Fincastle 24090	473-8301	ssyter@botetourt.org
Bob Boeren	VD OF	P.O. Box 100 Salem, VA 24153	587-5461	bob.boeren@dot.virginia.gov
Harry Gleason	Town of Buchanan	Po box 205 Buchanan, VA 24066	540 2541212	buchananva@verizon.net
Peter Corrigan	NWS-Blacksburg	1750 Forecast Dr. Blacksburg, VA 24060	540-582-1841	peter.corrigan@nws.gov



**Roanoke Valley-Alleghany Pre-Disaster Mitigation Plan Committee
Attendance Form
February 9, 2011**

Name	Agency / Company	Address	Phone	Email
PHIL HYSELL	NWS BLACKSBURG	1750 FORECAST DRIVE BLACKSBURG, VA 24060	540-352-1613 x2	PHIL.HYSELL@NVA.A.GOV
Karla Turman	TOV	311 S. POLLARD ST. VINTON, VA 24179	988-2205	kturman@vintonva.gov
Joey Stump	Rke County	5925 Cove Rd Roanoke VA 24019	540 777-8722	jstump@roanoke countyva.gov
Ronald Paxton	Clifton Forge PD	547 Main St Clifton Forge VA 24422	540 863-2513	Ronald.Paxton@CliftonForgeVA.gov
Andy Morris	Clifton Forge	547 Main Street Clifton Forge VA 24422	(540) 863-2509	Andy.Morris@ CliftonForgeVA.gov



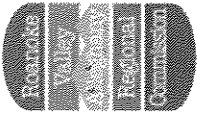
Regional Pre-Disaster Mitigation Plan Committee

Agenda

April 13, 2011

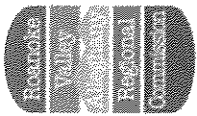
11 a.m.

1. Welcome and Introductions
2. Review updated list of required plan elements (new requirement for a repetitive loss strategy)
3. Review repetitive loss and severe repetitive flood loss data
4. Other Business



**Roanoke Valley-Alleghany Pre-Disaster Mitigation Plan Committee
Attendance Form
April 13, 2011**

Name	Agency / Company	Address	Phone	Email
Ed wells	RVARC	313 Cook Ave SW Roanoke	343 4417	ewells@rvarc.org
Karla Turman	Town of Vinton	311 S. Holland St, Vinton	983-2005	Kturman@vintonva.gov
MARC DAVIS	BLUE RIDGE INDEPENDENT LIVING CENTER	1502B WILLIAMSON RD ROANOKE 24012	342-1231 x 3006	mdavis@brilc.org
Matt Miller	RVARC		343 4417	mmiller@rvarc.org
Papa Muterspaugh	Alleghany Co.	9212 W. Intereberry Ave. Covington, VA 24026	863-6600	pmuterspaugh@co.alleghany.va.us
M.VE Goro	City of Roanoke	713 3rd St Roanoke VA 24006	853 2426	michael.goro@roanokeva.gov
Joey Stump	Roanoke County	5925 Cove Rd Roanoke VA 24019	540-777-8722	jstump@roanokecountyva.gov
PHIL FUSELL	MRS BLACKSUNG	1756 FORECAST DRIVE CLIFTON FORGE BLACKSBURG, VA 24060	540-552-1613 x2	PHIL.FUSSELL@NVA.GOV
Andy Morris	Clifton Forge	547 Main St Clifton Forge, VA 24422	540-863-2509	andy.morris@cliftonforgeva.gov
BARRY BAUSER	CLIFTON FORGE	547 MAIN ST. CLIFTON FORGE, VA 24422	540 863-2513	barry.bauser@cliftonforgeva.gov



**Roanoke Valley-Alleghany Pre-Disaster Mitigation Plan Committee
Attendance Form
April 13, 2011**

Name	Agency / Company	Address	Phone	Email
Harry Gleason	Town of Buchanan	Po Box 205 Buchanan, VA 24066	540 254 1212	buchanan.va@vencen.net
Spencer Suber	Botetourt County	205 N Roanoke St Fincastle, VA 24090	540-473-8301	ssuiter@botetourt.org
CHARLES GRANT	CITY OF SALEM	P.O. BOX 869 SALEM VA 24153	540 375-3032	cgrant@saalem.va.gov
Bill Lawson	VDEM	10501 Trade Ct Richmond 23236	804 647 9474	william.lawson@vdem.virginia.gov
Robbie Costes	VDEM	10501 Trade Court Richmond, VA 23236	804-877-9976	robbie.costes@vdem.virginia.gov
STEVE CARROLL	CITY OF COVINGTON	333 W. LOCUST ST. COVINGTON, VA. 24426	540 965 6345	sccarrall@covingtonva.us



Regional Pre-Disaster Mitigation Plan Committee

Agenda

May 11, 2011

11 a.m.

1. Welcome and Introductions
2. Review proposed Repetitive Loss Strategy
3. Public Input Meeting Schedule
4. Other Business

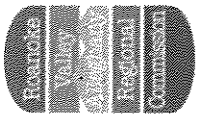


Regional Pre-Disaster Mitigation Plan Committee

Agenda

June 15, 2011
11 a.m.

1. Welcome and Introductions
2. Review and Comment on Draft Document
3. Public Input Meeting Schedule
4. Other Business



**Roanoke Valley-Alleghany Pre-Disaster Mitigation Plan Committee
Attendance Form
June 15, 2011**

Name	Agency / Company	Address	Phone	Email
Ed Wells	RVARC	Po Box 2569, Roanoke VA	343-4417 x 3006	ewells@rvarc.org
MARC DAVIS	BRILC	1502B WILLIAMSON RD. RKE	342-1231	mdavis@brilc.org
Joey Stump	Rke County	5925 Cove Rd, Rke	777-8722	jstump@roanokecounty.gov
Rob Logan	WVEMS	1944 Petera Creek	567-3442	logan@values.org
Matt Miller	RVARC			
Spencer Suter	Bot. County	205 N Roanoke St	473-8301	ssuter@hottelaw.com

Regional Pre-Disaster Mitigation Plan



Public Meetings

The Roanoke Valley-Alleghany Regional Commission is conducting the 5-year update of the Regional Pre-Disaster Mitigation Plan. The plan will outline actions designed to address and reduce the impact of a full range of natural hazards such as floods, hurricanes, winter storms, wildfires and tornados. The planning area includes the counties of Alleghany, Botetourt, Craig and Roanoke; the cities of Covington, Roanoke and Salem; and the towns of Buchanan, Fincastle, Iron Gate, New Castle, Troutville, and Vinton.

A presentation explaining the Regional Pre-Disaster Mitigation Plan will be given, followed by an opportunity for the public to provide input about natural hazards that have impacted the area. Information gathered at the meetings will be used in developing strategies to mitigate natural hazards in the region.

The public is invited to attend one or more of the following workshops:

- June 20, 2011 at 6 p.m., Fincastle Public Library, 11 Academy Street, Fincastle, VA
- June 22, 2011 at 6 p.m., Clifton Forge Public Library, 535 Church Street, Clifton Forge, VA
- June 23, 2011 at 6 p.m., Roanoke Valley-Alleghany Regional Commission, 313 Luck Ave. SW, Roanoke, VA



For more information, please contact Eddie Wells at the Roanoke Valley-Alleghany Regional Commission at (540) 343-4417 or visit the project website at www.rvarc.org/disaster.

Regional Pre-Disaster Mitigation Workshop



Agenda

Welcome to the Regional Pre-Disaster Mitigation Workshop. The workshop is in an “open-house” format which will allow you to review information and mapping that is related to the Regional Pre-Disaster Mitigation Plan process (see *Process* handout). There will not be a formal “lecture” presentation of the material this evening. The workshop provides an opportunity to view materials and ask questions at your own pace and then provide comments to the attending staff.

Comments may be provided directly to staff members or on the *Natural Hazards Survey* form which is available. You may *write on the maps* to show locations of disasters, critical facilities or corrections.

The workshop is also designed for collection of information from the public about natural disasters that occur in the locality. Any information that you have concerning the frequency, impact and location of natural disasters would be helpful in our efforts to develop the plan.

Please sign in on the attendance form before leaving. Thank you for taking time to attend the Regional Pre-Disaster Mitigation Workshop.

If you have additional comments or questions, please contact Eddie Wells, Roanoke Valley Alleghany Regional Commission, P.O. Box 2569, Roanoke, VA 24010. Phone: 540-343-4417, Fax: 540-343-4416. Email: ewells@rvarc.org.

Regional Pre-Disaster Mitigation Plan Process



Roanoke Valley-Alleghany Regional Commission

The Roanoke Valley-Alleghany Regional Commission (RVARC) is developing a Regional Pre-Disaster Mitigation Plan for the cities and counties of the commission's service area. The area includes: the counties of Alleghany, Botetourt, Craig and Roanoke; the cities of Covington, Roanoke and Salem; and the towns of Buchanan, Clifton Forge, Fincastle, Iron Gate, New Castle, Troutville, and Vinton.

The purpose of this planning initiative is to develop a Plan that meets all State and Federal requirements. The Plan will help localities maintain their eligibility for certain future Federal funding, especially the Hazard Mitigation Grant Program. A FEMA-approved Mitigation Plan is also required to participate in the Emergency Management Performance Grant Program and in projects under the Pre- Disaster Mitigation Grant Program.

THE REGIONAL MITIGATION PLAN

The plan will outline actions designed to address and reduce the impact of a full range of natural hazards facing region, including such natural hazards as floods, hurricanes, winter storms, wildfires and drought. A multi-jurisdictional planning approach will be utilized. By having multiple jurisdictions work together on common hazards/risks, the proposed planning process will eliminate the need for each local jurisdiction to devise its own approach and prepare its own separate document. Further, this type of planning effort will result in common plan formats and loss estimation techniques that will help the State and FEMA understand area vulnerabilities and evaluate future policies and projects.

While a single, regional plan will be developed, please note that *each local jurisdiction will have its own separate "action plan" as part of the overall plan.* Each local jurisdiction's plan must be reviewed and adopted by its governing body.

PROCESS OF DEVELOPMENT

The RVARC will provide technical support to participating jurisdictions during development of the Plan. The entire plan must comply with Section 201 of Section 44 of the Code of the United States. The planning process will involve the following steps: hazard identification; risk assessment; mitigation strategy development; and plan review, adoption and approval.

HAZARD IDENTIFICATION

During this step, the Planning Committee will work with RVARC to compile data on natural and human-caused hazards. Information will be compiled on the occurrence of natural hazard events in the region. Hazards that affect the area will be identified based on historical and other available data. The project team will search nationally available data sources for listings of hazard events, by locality, and provide a list and map of hazards to local jurisdictions for review and comment.

Each local jurisdiction will review the hazard events data and make amendments as appropriate. Examples of hazards that may affect the planning area include: flooding, hurricanes, tornadoes, wildfires, winter storms, and earthquakes.

RISK ASSESSMENT

This task will involve the collection and integration of data, including an inventory of assets that may be affected by natural hazards, such as housing units, critical facilities, special facilities, infrastructure and lifelines, hazardous materials facilities and commercial facilities. RVARC will collect this information from available national and state databases and will integrate local level data, where possible.

Once this data is compiled, RVARC will assess potential impacts from each hazard using available GIS layers and government databases. The resulting information will provide local jurisdictions with information that outlines the full range of hazards they face and potential social impacts, damages and economic losses.

MITIGATION STRATEGY DEVELOPMENT

Based on the findings of the risk assessment, RVARC, working with local governments, will draft an overall mitigation strategy for the area. During this step, goals, objectives and actions to reduce the damage from each hazard will be identified for the planning area.

RVARC will assist local jurisdictions in identifying appropriate actions for their communities. For each mitigation action identified by the local jurisdiction, community leaders must provide critical project information that will guide the implementation of these actions. This will include the responsibility for accomplishing the action, and an implementation schedule. These actions and critical project information, identified by key stakeholders, will be integrated into the Plan.

The RVARC will also develop a process to maintain the plan and update it at least every five years. The Planning Committee will solicit feedback from workshop participants before drafting a proposed process for consideration by participating jurisdictions. Stakeholder feedback is critical as the local jurisdictions will be ultimately responsible for incorporating, as appropriate, the actions outlined in the Plan.

PLAN REVIEW, ADOPTION AND APPROVAL

In accordance with Federal and State requirements, the governing bodies of each participating jurisdiction must review and approve that portion of the overall plan that affects their jurisdiction. To help accomplish this, a standardized format for documenting the local approval process and resolution will be provided to the local jurisdiction.

Mitigation strategy elements from each jurisdiction will then be consolidated into an overall plan. The Regional Pre-Disaster Mitigation Plan will be presented to each locality for adoption. The plan will be submitted to the Virginia Department of Emergency Management for review and to FEMA Region III for review and approval.

PARTICIPATE IN THE PROCESS

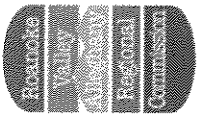
For more information, or to provide input, contact: Eddie Wells, Roanoke Valley Alleghany Regional Commission, P.O. Box 2569, Roanoke, VA 24010. Phone: 540-343-4417, Fax: 540-343-4416. Email: ewells@rvarc.org.

Visit the RVARC Hazard Mitigation web page at www.rvarc.org/disaster.



Roanoke Valley-Alleghany Pre-Disaster Mitigation Plan
Public Input Meeting
June 20, 2011

Name	Agency / Company	Address	Phone	Email
Ed Wells	RVARC	PO Box 2569 Roanoke 24010	343-4417	ewells@rvarc.org
Fred Holley		245 Danner Dr Carington VA 24126	540 969 8280	frholley@AOL.com
Mary Holley		same	540 969 7251	frholley@AOL.com
Spencer Suter	Botetourt County	205 N Roanoke St Fincastle	540-473-8341	ssuter@botetourt.org
Bob Boeren	VDOT	P.O. Box 100 Salem, VA 24153	540-387-5461	bob.boeren@dot.virginia.gov



**Roanoke Valley-Alleghany Pre-Disaster Mitigation Plan
Public Input Meeting – Roanoke, VA
June 23, 2011**

Name	Agency / Company	Address	Phone	Email
Ed Wells	EVARC	PO Box 2569 Roanoke VA 24010	343-4417	ewells@vavarc.org
Dan + Lydia Celen		2801 Merino Dr. Roanoke 24018	774-2776	dlc4039@verizo.net
Joey Stump	Rice County FR	5925 Cove Rd Roanoke VA 24019	777-8722	jstump@roanokecountysva.gov
Mike Guro	Roanoke City	713 3rd St Roke VA 24015	853 2426	Michael.guro@Roanokeva.gov

Roanoke Valley – Alleghany Region Pre-Disaster Mitigation Plan Update



06/20/11

Disaster Mitigation Act of 2000 Purpose

- Amend the Robert T. Stafford Disaster Emergency Assistance Act.
- Established a national pre-disaster mitigation program at the state and local government level.
- Streamlines disaster relief.
- Controls Federal costs of assistance.
- Coordination with all local interest groups.
- Identification of specific projects and actions.
- Links to the State planning process.

06/20/11

Local Impact

- Places a new emphasis on mitigation planning at the local government level.
- Ties Hazard Mitigation Grant Program (HMGP) and Pre-Disaster Mitigation Program (PDM) eligibility to plan approval.
- Local governments are required to develop and submit an adopted mitigation plan as a condition to receive ANY mitigation funding.
- In 2002 VDEM requested that PDCs take the lead in developing regional pre-disaster mitigation plans. Plan was approved by FEMA March 29, 2006.

06/20/11

Plan Requirements – Process

- Public participation and comment throughout plan development.
- Process includes neighboring communities, interested agencies, private and non-profit organizations.
- Pre-Disaster Plan Committee
- Review and incorporation of any appropriate existing plans.
- Documentation of the planning process.

06/20/11

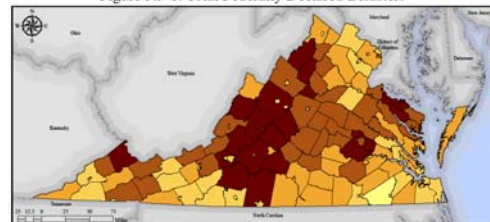
Plan Requirements – Risks

Identify all hazards and related risks

- Profile hazard events (type, location)
- Identify assets
- Assess vulnerability
- Estimate potential loss
- Analyze development trends

06/20/11

Figure 3.3-1: Total Federally Declared Disasters



DATA SOURCES:
FEMA & VDEM Disaster Database
2007 Hazardous Development
2007 State Boundaries

LEGEND:
Number of Declared Disasters (1984-2006)

DATA SOURCE:
A National Flood Insurance Program (NFIP) Flood Hazard Study was conducted in a partnership with the state of Virginia. The results and extent of flooding are not shown on this map.

The period of record for this map is 1984 through 2006. Events were assessed based on FEMA and VDEM data.

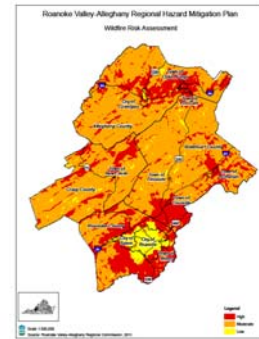
Copyright © Virginia National Flood Mitigation Plan, 2011
Version 1.1 Page 11

06/20/11

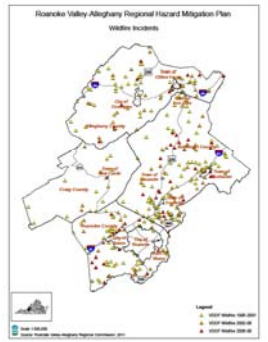
Natural Disasters Identified

- Earthquake
- Flood
- Hurricane
- Karst
- Landslide
- Tornado
- Straight Line Wind
- Wildfire
- Winter Storm

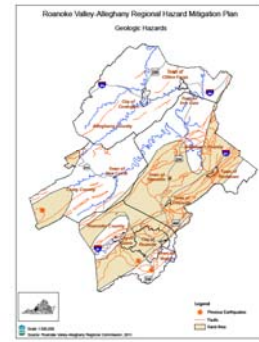
06/20/11



06/20/11



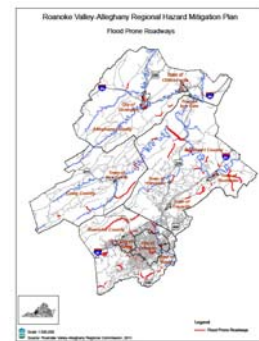
06/20/11



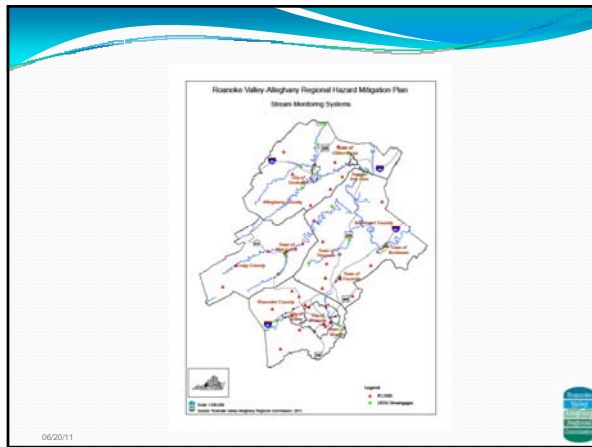
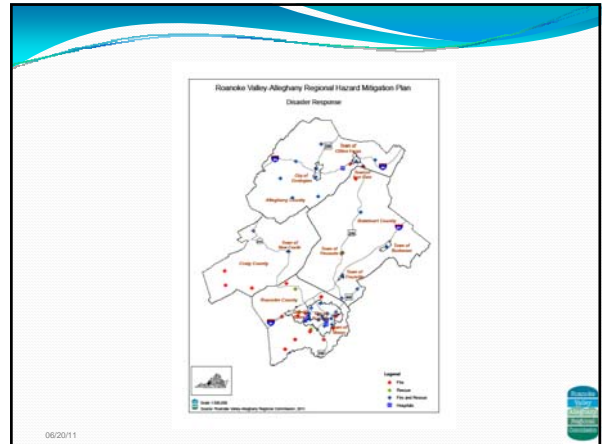
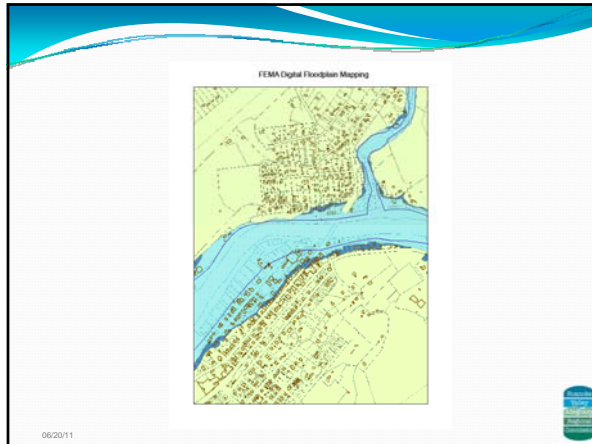
06/20/11



06/20/11



06/20/11



Vulnerability Assessment

- Natural Hazard Extent (local or jurisdiction-wide)
- Natural Hazard Past Occurrences
- Natural Hazard Probability of Occurrence

06/20/11

Overall Vulnerability

Locality	Earthquake	Flood	Hurricane	Straight Line Winds	Landslide	Tornado	Wildfire	Winter Storm
Allegheny County	2	5	4	4	2	2	5	6
Bateman County	2	5	4	4	3	2	5	6
Town of Buchanan	2	5	4	4	2	2	3	6
Town of Chilton Forge	2	5	4	4	3	2	3	6
City of Covington	2	5	4	4	2	2	2	6
Craig County	2	5	4	4	3	2	5	6
Town of Fincastle	2	3	4	4	2	2	2	6
Town of Iron Gate	2	3	4	4	2	2	4	6
Town of New Castle	2	4	4	4	2	2	2	6
City of Roanoke	3	5	4	4	2	3	3	6
Roanoke County	2	5	4	4	3	3	5	6
City of Salem	2	5	4	4	2	3	2	6
Town of Troutville	2	5	4	4	2	2	3	6
Town of Vinton	2	5	4	4	2	2	2	6
Regional Ranking Score	29	65	56	56	32	31	46	84

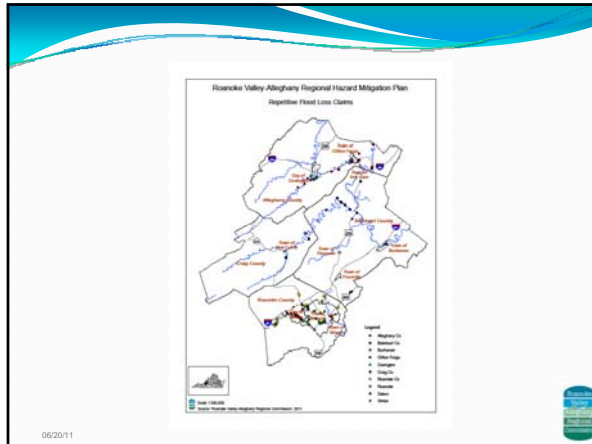
06/20/11

Damage Estimates

Estimated Regional Flood Damage

Number of Properties	277
Residential	229
Non-Residential	48
Number of Claims	885
Total Losses	\$29,709,122
Total Building Loss	\$21,893,750
Total Contents Loss	\$7,815,372
Average Claim	\$33,569

06/20/11



National Flood Insurance Program Claims

NFIP Claims 1978-2011

Community Name	Total Losses	Closed Losses	Open Losses	CWOP Losses	Total Payments
Allegheny County	193	169	0	24	\$2,464,681
Boston County	216	189	0	27	\$2,659,048
Buchanan, Town of	63	60	0	3	\$1,777,294
Clifton Forge, Town	9	8	0	1	\$24,846
Crofton, City of	144	126	0	18	\$833,795
Craig County	93	72	0	21	\$1,300,627
Pinchault	0	0	0	0	\$0
Iron Gate	0	0	0	0	\$0
New Castle, Town of	4	4	0	0	\$32,441
Roanoke County	406	324	2	80	\$3,410,289
Roanoke, City of	1,015	813	0	202	\$18,313,294
Salem, City of	679	563	0	116	\$15,706,788
Trounville, Town of	9	5	0	4	\$9,554
Vinton, Town of	80	60	0	20	\$1,252,020
Region	2,911	2,395	2	514	\$47,834,574
Total For Virginia	38,420	30,655	122	7,643	\$555,656,484

Source: FEMA, National Flood Insurance Program, 2011.
 Note: Total losses - All losses submitted regardless of the status; Closed losses - Losses that have been paid; Open losses - Losses that have not been paid in full; CWOP losses - Losses that have been closed without payment; Total Payments - Total amount paid on losses.

- ### Six Types of Mitigation Measures Considered
- Prevention
 - Property Protection
 - Public Education and Awareness
 - Natural Resource Protection
 - Emergency Services
 - Structural Projects

Roanoke Valley-Allegheny Regional Commission Hazard Mitigation Projects in Need of State and Federal Assistance

Project	Hazard Mitigated	Benefit	Cost	Benefit to Cost	Priority	Funding Partners	Implementation Lead Agency	Proposed Schedule
Flood hazard mapping update/modernization (maintenance of maps to DR/IRMA)	Flooding	Increased accuracy of flood maps and more effective regulation and enforcement of regulations	\$50,000	High	High	FEMA, VDEM	RYARC	12 - 24 Months
Bank lending to prepare site-specific hydrologic and hydraulic studies	Flooding	Inventory areas that have chronic and repetitive flooding problems, determine methods to eliminate repetitive loss	\$10,000	Medium	Medium	FEMA, VDEM	RYARC	24 months
Flood prone roadway study / database	Flooding	Inventory of flood prone roadways for planning purposes (road improvements, limitation of development)	\$25,000	Medium	Medium	FEMA, VDEM, VDOT	RYARC	12 months (Ongoing)
Participate in FEMA's Cooperating Technical Partners (CTP) program and Digital Flood Insurance Rate Maps (DFIRM) program	Flooding	Increased accuracy of flood maps and more effective regulation and enforcement of regulations	\$5,000	High	Medium	FEMA, VDEM	RYARC	Ongoing
Identify streams that need additional BR/CR	Flooding	Improve early warning of flooding, ensure that these areas are adequately covered and monitored	\$2,500	High	Medium	FEMA, VDEM	RYARC	12 months
Identify flooding and resources for addressing landslide hazards	Landslide	Food planning and decision-making, limitation of new development	\$5,000	Medium	Low	FEMA, VDEM, USGS, VDOT	RYARC	24 months

- ### Plan Maintenance
- Plan Adoption
 - Coordinating Body
 - Implementation Through Existing Programs
 - Evaluating and Updating the Plan
 - Public Involvement

- ### Plan Adoption
- Once VDEM & FEMA approve the final draft, as stated by the Federal Regulations, the plan must be formally adopted by all participating jurisdictions in order to remain eligible for the Hazard Mitigation Grant Program (HMGP) and Pre-Disaster Mitigation Program (PDM).
 - VDEM encourages local governments to adopt this plan by resolution.

Public Input

- Natural hazards that have impacted residents and businesses.
- Survey Form or contact office directly.
- Projects that would mitigate the impact of natural hazards.
- Issues that were not covered in the plan.

06/20/11



Additional Information

Ed Wells, Senior Planner
Roanoke Valley - Alleghany Regional Commission
P.O. Box 2569
Roanoke, VA 24010

Phone: (540) 343-4417
Fax: (540) 343-4416

Email: ewells@rvarc.org

Plan Website: www.rvarc.org/disaster

06/20/11





Your Government

- [Board of Supervisors](#)
- [Comprehensive Plan](#)
- [Cooperative Extension](#)
- [County Administration](#)
- [Department Directory](#)
- [Development Services](#)
- [Environmental Management](#)
- [Municipal Code](#)
- [Public Health](#)
- [Public Safety](#)
- [Public Works](#)
- [Purchasing](#)
- [State/Federal Representatives](#)
- [Taxes, Licenses & Fees](#)
- [Voter Information](#)

Did You Know...



In October 2003, Botetourt was the first county in Virginia with a population under 50,000 to receive an AA bond rating from an independent national rating agency.

Business News Detail

Public Meetings for Regional Pre-Disaster Mitigation Plan

5/16/2011

Roanoke, VA – The Roanoke Valley-Alleghany Regional Commission is conducting the 5-year update of the Regional Pre-Disaster Mitigation Plan. The plan will outline actions designed to address and reduce the impact of a full range of natural hazards such as floods, hurricanes, winter storms, wildfires and tornados. The planning area includes the counties of Alleghany, Botetourt, Craig and Roanoke; the cities of Covington, Roanoke and Salem; and the towns of Buchanan, Fincastle, Iron Gate, New Castle, Troutville, and Vinton.

A presentation explaining the Regional Pre-Disaster Mitigation Plan will be given, followed by an opportunity for the public to provide input about natural hazards that have impacted the area. Information gathered at the meetings will be used in developing strategies to mitigate natural hazards in the region.

The public is invited to attend one or more of the following workshops:

- **June 20, 2011** at 6 p.m., Fincastle Public Library, 11 Academy Street, [Fincastle](#), VA
- **June 22, 2011** at 6 p.m., Clifton Forge Public Library, 535 Church Street, [Clifton Forge](#), VA
- **June 23, 2011** at 6 p.m., Roanoke Valley-Alleghany Regional Commission, 313 Luck Ave. SW, Roanoke, VA

For more information, visit the project website at www.rvarc.org/disaster.

For more information, contact

Spencer Suter, Assistant County Administrator
540-473-8301

Eddie Wells, Roanoke Valley-Alleghany Regional Commission
540-343-4417

RoCo Register



RoCo Register is a monthly publication of Roanoke County's Office of Public Information and is designed to deliver news about Roanoke County straight to your desktop. Complete information can be found on the County's [website](#) or, if you'd prefer, sign up as a fan on [Facebook](#) or to follow us on [Twitter](#). Of course there's always the phone, 772-2010, or [e-mail](#). We're happy to hear from you!

County Police and Citizens Reunite with Child Saved From Drowning



Sgt. Matze is reunited with Quamir Cooper.

On June 7, Roanoke County Police honored a 9-year-old girl and 30-year-old man for their part in helping save the life of a child who'd fallen into a swimming pool at the Villages at Garst Creek Apartment complex just days earlier. Julianna Marquez was swimming in the pool when she noticed 4-year-old Quamir Cooper lying motionless at the bottom. The 9-year-old dove to the bottom, brought him to the surface, and yelled for help. Four Roanoke County police officers who were at the complex on another call were summoned for help.

Sgt. Jay Matze began CPR on 4-year-old Quamir Cooper with the help of 30-year-old Timmy Tilley,

who gave the child rescue breaths. The 4-year-old wasn't breathing and didn't have a pulse. After performing CPR for approximately 3-minutes the little boy began to respond and is expected to make a full recovery. In addition to recognizing Julianna and Timmy, the officers had the chance to reunite with Quamir and his very thankful mother!

In This Issue

[Police and Citizens Reunite with Rescued Child](#)

[County Opens Digital Forum to Citizens](#)

[Solid Waste Employees Recognized](#)

[Input Sought on Disaster Planning](#)

[Upcoming Events](#)

[Veterans Monument Completed](#)

[Do You Have What it Takes?](#)

[Software Program Makes it Easier to Access Real Estate Data](#)

Upcoming Events

[Board of Supervisors](#)

*Roanoke County Administration Center
5204 Bernard Dr -
Roanoke*

Tues, June 14, 3:00 p.m.
and Tues, June 28, 3:00 p.m. and 7:00 p.m.

[Planning Commission](#)

*Roanoke County Administration Center
5204 Bernard Dr -
Roanoke*

Tuesday, June 21,
6 p.m., work session



Left to right: Sgt. Matze, Officer Darin Hogan, and Officer Bobby Zizelman present Julianna Marquez with an award.

To view more photos from the recognition ceremony, please visit the [Police Department Facebook page](#).

County to Host First-Ever Community Digital Forum



Roanoke County is teaming up with [CivicPlus](#), the national leader in open government technology, to host the state's first Community Digital Forum from 7 p.m. to 9 p.m. on Wednesday, June 29, 2011 at the Roanoke County Public Safety Center at 5925 Cove Road in Roanoke.

Citizens from Roanoke County and surrounding communities are invited to learn how to take full advantage of the new and improved features and tools built into the new [County website](#), which was designed by CivicPlus and officially launched in mid-March. The Community Digital Forum will include hands-on demonstrations, a Q & A session, and the opportunity to share ideas for future enhancements with County officials and fellow citizens.

Advance registration is requested, but walk-ins are welcome. To register or to find out more, please contact [Teresa Hall](#) or call (540)

Veterans Monument Completed

High Ground, the new Vinton-Roanoke County Veterans Monument, is officially completed.

A dedication for the new monument, located at the Vinton War Memorial, will be held Tues., June 14 at 6:00 p.m.

The [High Ground Monument](#) is dedicated to the memory of those who have served and those who continue to serve in our country's Armed Forces.

Solid Waste Employees Compete in Equipment Rodeo



Board of Supervisors Chairman Joseph B. "Butch" Church recognized Tim Burford and Tony Frymier at a recent meeting.

Two solid waste employees ensured Roanoke County was well represented at the 2011 Virginia/Maryland /DC American Public Works Association Equipment Rodeo!

Tim Burford and Tony Frymier drive a variety of solid waste vehicles and together have nearly 50-years of service to the County. The two competed in the automated truck and knuckle boom events, which were held on May 4th in Fredericksburg. Tim won first place in the automated category with no penalties, while Tony finished third in the same category with one penalty. Congratulations!

Public Input Sought on Disaster Planning

The Roanoke Valley-Alleghany Regional Commission is conducting the 5-year update of the Regional Pre-Disaster Mitigation Plan. The plan will outline actions designed to address and reduce the impact of a full range of natural hazards such as floods, hurricanes, winter storms, wildfires and tornados.

The planning area includes the counties of Alleghany, Botetourt, Craig and Roanoke; the cities of Covington, Roanoke and Salem; and the towns of Buchanan, Fincastle, Iron Gate, New Castle, Troutville, and Vinton.

A presentation explaining the Regional Pre-Disaster Mitigation Plan will be given, followed by an opportunity for the public to provide input about natural hazards that have impacted the area. Information gathered at the meetings will be used in developing strategies to mitigate natural hazards in the region.

The public is invited to attend one or more of the following workshops:

- June 20, 2011 at 6 p.m., Fincastle Public Library, 11 Academy Street, Fincastle, VA
- June 22, 2011 at 6 p.m., Clifton Forge Public Library, 535 Church Street, Clifton Forge, VA
- June 23, 2011 at 6 p.m., Roanoke Valley-Alleghany Regional Commission, 313 Luck Ave. SW, Roanoke, VA

For more information, please contact Eddie Wells at the Roanoke Valley-Alleghany Regional Commission at (540) 343-4417 or visit the [project website](#).

Until next month,

[Teresa Hamilton Hall](#), Director
Office of Public Information
540.772.2010



Estate/Tag Sales

Legals

Legals

Legals

Public Input Meeting Pre-Disaster Mitigation Plan

The Roanoke Valley-Alleghany Regional Commission is in the process of updating the Regional Pre-Disaster Mitigation Plan to address the requirements of the Disaster Mitigation Act. The plan will outline actions designed to address and reduce the impact of a full range of natural hazards including floods, hurricanes, winter storms, wildfires and tornados.

A presentation explaining the Regional Pre-Disaster Mitigation Plan will be given followed by an opportunity for the public to provide input about natural hazards that have impacted the area. Information gathered at the meetings will be used in developing strategies to mitigate natural hazards in the region.

The community is invited to attend one or more of the following workshops:

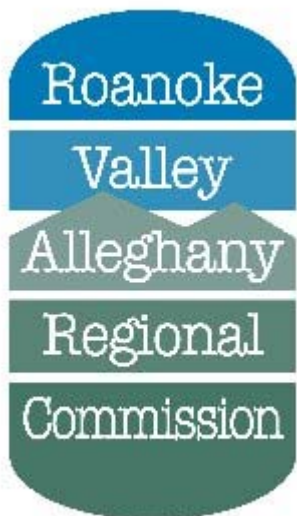
Monday, June 20, 2011,
6:00 pm,
Fincastle Public Library

Wednesday, June 22, 2011,
6:00 pm,
Clifton Forge Public Library

Thursday, June 23, 2011,
6:00 pm,
Roanoke Valley-Alleghany
Regional Commission
(Conference Room)

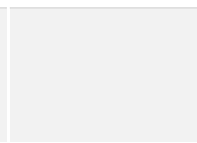
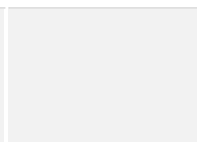
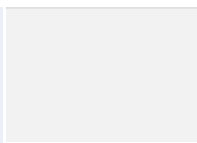
For more information, contact Eddie Wells (ewells@rvarc.org or 540-343-4417) at the Roanoke Valley-Alleghany Regional Commission office, 313 Luck Ave., SW, Roanoke, VA.

(12665340)



Roanoke Valley-Alleghany Regional Commission

Government Organization · Roanoke, Virginia · [Edit Info](#)



Wall

Share: [Status](#) [Photo](#) [Link](#) [Video](#) [Question](#)

Write something...

Wall

[Hidden Posts](#)

- [Info](#)
- [Friend Activity](#)
- [Photos](#)
- [Discussions](#)
- [Notes](#)
- [Events](#)
- [Edit](#)

About [Edit](#)

The Roanoke Valley-Alleghany Regional Commission (RVARC) has been serving i...

[More](#)

244 people like this

Likes [See All](#)

- Fish Virginia First**
- Roanoke Region of Virginia**
- Botetourt County Tourism**
- Virginia Department of Housing and**

Roanoke Valley-Alleghany Regional Commission created an event.



Regional Stormwater Management Meeting

Thursday, June 9, 2011 at 8:00am
Green Ridge Recreational Center

274 Impressions · 0% Feedback

[May 26 at 11:09am](#) · [Like](#) · [Comment](#) · [Share](#)

Roanoke Valley-Alleghany Regional Commission created an event.



Open House

Monday, June 6, 2011 at 4:00pm
Roanoke Valley-Alleghany Regional Commission

262 Impressions · 0% Feedback

[May 25 at 2:19pm](#) · [Like](#) · [Comment](#) · [Share](#)

Roanoke Valley-Alleghany Regional Commission



The public is invited to attend one or more of the following public input meetings for the Regional Pre-Disaster Mitigation Plan:

June 20, 2011 at 6 p.m., Fincastle Public Library

June 22, 2011 at 6 p.m., Clifton Forge Public Library

...

[See More](#)

287 Impressions · 0% Feedback

[May 24 at 9:06am](#) · [Like](#) · [Comment](#)

Roanoke Valley-Alleghany Regional Commission created an event.



Public Meeting on the Rural Long-Range Transportation Plan

Thursday, April 21, 2011 at 4:00am
Roanoke Valley-Alleghany Regional Commission, Roanoke, VA...

363 Impressions · 0.28% Feedback

[April 18 at 9:09am](#) · [Like](#) · [Comment](#) · [Share](#)

[RIDE Solutions](#) likes this.

[Chat \(0\)](#)



- [How Do I?](#)
- [Employment](#)
- [Agendas & Minutes](#)
- [GIS](#)
- [Town Code](#)
- [E-Services](#)
- [Special Events](#)
- [Espanol](#)

[Home](#) > News Flash

[Home](#)

Posted on: May 13, 2011

Regional Pre-Disaster Mitigation Plan Public Meetings

A presentation explaining the Regional Pre-Disaster Mitigation Plan will be given, followed by an opportunity for the public to provide input about natural hazards that have impacted the area. Information gathered at the meetings will be used in developing strategies to mitigate natural hazards in the region.

The public is invited to attend one or more of the following workshops:

--June 20, 2011 at 6 p.m., Fincastle Public Library, 11 Academy Street, Fincastle, VA

--June 22, 2011 at 6 p.m., Clifton Forge Public Library, 535 Church Street, Clifton Forge, VA

--June 23, 2011 at 6 p.m., Roanoke Valley-Alleghany Regional Commission, 313 Luck Ave. SW, Roanoke, VA

For more information, please contact Eddie Wells at the Roanoke Valley-Alleghany Regional Commission at (540) 343-4417.

[Additional Info...](#)

← [Previous](#)

[Street Closures Due to Damage from Heavy Rain](#)

[Next](#) ⇒

[Vinton Animal Control Service Change](#)

Other News in Home

Street Closures Due to Damage from Heavy Rain

Posted on: June 22, 2011

Vinton Animal Control Service Change

Posted on: May 31, 2011

Inside Vinton! Summer Sizzles in Vinton

Posted on: June 1, 2011

Search

All categories



Tools

[RSS](#)


[Notify Me](#)

Categories

- [All Categories](#)
- [Fire/EMS](#)
- [Home](#)

[REPORT A CONCERN](#) 

[NOTIFY ME](#) 

[ONLINE BILL PAY](#) 

[WAR MEMORIAL](#) 

[KEEP IN TOUCH...](#)

[TWITTER](#) 

[FACEBOOK](#) 

[YOUTUBE](#) 

PUBLIC INPUT MEETING PRE-DISASTER PLAN

The Roanoke Valley-Alleghany Regional Commission is in the process of updating the Regional Pre-Disaster Mitigation Plan to address the requirements of the Disaster Mitigation Act. The plan will outline actions designed to address and reduce the impact of a full range of natural hazards including floods, hurricanes, winter storms, wildfires and tornadoes.

A presentation explaining the Regional Pre-Disaster Mitigation Plan will be given followed by an opportunity for the public to provide input about natural hazards that have impacted the area. Information gathered at the meetings will be used in developing strategies to mitigate natural hazards in the region.

The community is invited to attend one or more of the following workshops:

- June 20, 2011 at 6 p.m., Fincastle Public Library
- June 22nd, 2011 at 6 p.m., Clifton Forge Public library
- June 23, 2011 at 6 p.m., Roanoke Valley - Alleghany Regional Commission Conference Room

For more information, please contact Eddie Wells at the Roanoke Valley-Alleghany Regional Commission at 540-343-4417

g
th
Su
da
lie
St
su
in
bi
\$



Regional Pre-Disaster Mitigation Plan Committee

Agenda

January 10, 2012

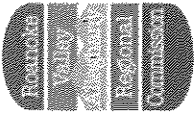
11 a.m.

1. Welcome and Introductions

2. Review and Comment on Draft Document
 - VDEM Recommendations (handout)

3. HMGP and HMA grant funding applications and funding availability

4. Other Business



**Roanoke Valley-Alleghany Pre-Disaster Mitigation Plan
Public Input Meeting – Roanoke, VA
January 10, 2012**

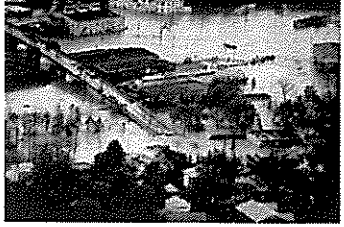
Name	Agency / Company	Address	Phone	Email
Ed wells	RVARC	PO Box 25649 Roanoke 24010	543-4417	ewells@rvarc.org
Don Ford	CLIFFTON FORGE	517 MAIN ST. CLIFTON FORGE VA <small>24012</small>	803-8569	dford@clifftonforgeva.gov
Mike Guzo	CITY OF ROANOKE	713 3rd ST Roe, VA	853 2426	michal.guzo@roanokeva.gov
Matt Miller	AVARC		343-4417	mmiller@rvarc.org
Robbie Costes	UDEM	10501 Trade Court, Richmond VA 23230	804-877 -9776	robbie.costes@uvm.virginia.gov
Peter Corrigan	NWS Blacksburg	1770 forecast Dr. Blacksburg 24060	540-552 1341	peter.corrigan@noaa.gov
STAN CRIGGEN	UDEM	5680 VALLEY CENTER BLVD	540-831-4676	STAN.CRIGGEN@UDEM.VIRGINIA.GOV
Karla Turman	Town of Vinton	311 S. Pollard St. Vinton, VA 24179	510-83-0465	KTurman@vintonva.gov
CHARLES GRANT	CITY OF SALEM	114 N. BROAD ST. SALEM, VA 24153	540 375 3032	cgrant@saalemva.gov

Roanoke Valley-Alleghany Regional Hazard Mitigation Plan

Funding Opportunities for Implementation
January 10, 2012

Objective

- Identify Funding Sources for Actions in Current Plan

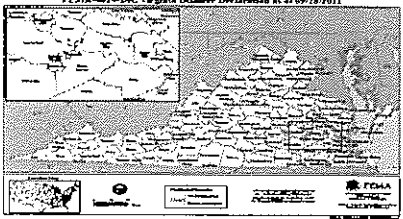


Hazard Mitigation Grant Program

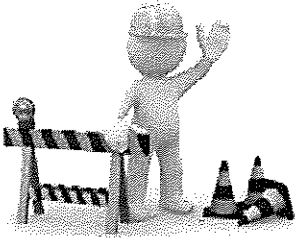
- Made Available after Hurricane Irene
 - 75% Federal Cost Share
 - No word on State Share
 - Applicant's Briefing
 - <http://www.vaemergency.com/em/recovery>

Eligibility

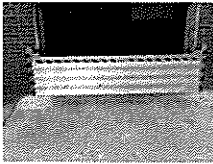
- Funds available to all localities in state with FEMA approved hazard mitigation plans




Structural Options



Flood-proofing



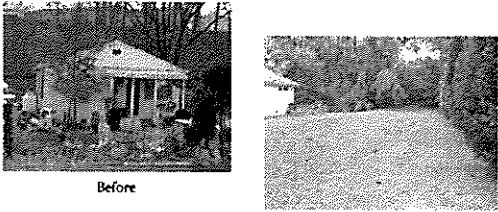
City of Salem, Graham-White



City of Saunton, Wharf

Structural Acquisition/Demolition

City of Salem, Severe Repetitive Loss Acquisitions




Before After

This slide shows two side-by-side photographs. The left photograph, labeled 'Before', shows a small, single-story house with a porch. The right photograph, labeled 'After', shows the same location as a large, flat, cleared area, indicating the house has been demolished.

Structural Acquisition/Relocation


Town of Glasgow, Relocation Project



This slide shows two side-by-side photographs. The left photograph shows a house in its original location. The right photograph shows the same house moved to a new location on a large, open lot, with utility poles visible in the background.

Structural Elevation

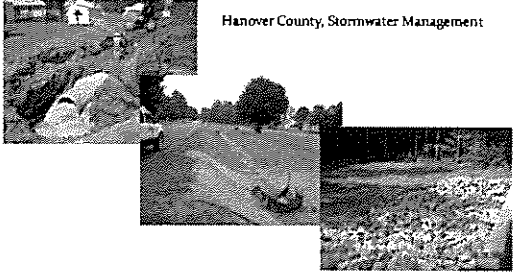
City of Chesapeake, Inland Colony



This slide features a single photograph of a house that has been elevated on a foundation. The house is a two-story structure with a prominent arched entrance.

Minor Local Flood Control

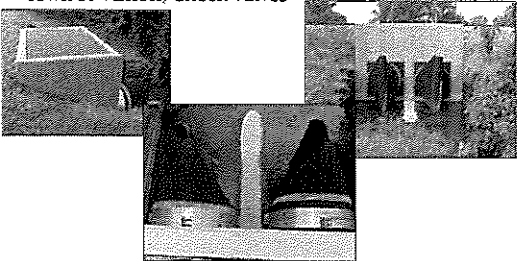
Hanover County, Stormwater Management



This slide contains three photographs showing different stormwater management techniques. One photo shows a large rock structure in a stream, another shows a concrete structure, and the third shows a field with a drainage ditch.

Infrastructure Retrofit


- Town of Vinton, Check Valves



This slide includes three photographs. One shows a check valve installed in a pipe. Another shows a close-up of a check valve. The third shows a larger infrastructure project, possibly a culvert or bridge, with people standing nearby.

Wildfire Mitigation


Pulaski County, Defensible Space Creation




This slide features a photograph showing two people working on a property to create defensible space. They are clearing brush and debris from the base of a house.

Tornado Safe Rooms

Residential or Public Buildings



Soil Stabilization Projects



Initiative Projects

- Hazard Mapping (Non-flood)
- Warning Systems
 - Reverse 911
 - NOAA Weather Radios
 - Stream Gauges (IFLOWS/USGS)
 - Rainfall Gauges
 - Other warning systems
- Generator Quick Connects
- Awareness/Outreach Campaigns
 - Publications
 - Training
- Structural Projects that are not cost effective

Structure Acquisition – Single Family Home

- Alleghany County
- City of Covington
- Roanoke County
- Roanoke City
- Town of Vinton
- City of Salem

Floodproofing of Public Utilities

- Alleghany County
- Town of Iron Gate
- City of Covington
- Botetourt County
- Town of Buchanan
- Town of Fincastle
- Town of Troutdale
- Town of Vinton
- City of Salem

Creation of Hazard Related GIS Data/Layers

- Alleghany County
- City of Covington
- Botetourt County
- Roanoke County
- City of Roanoke
- Town of Vinton
- City of Salem
- RVARC

Public Information and Education

- Alleghany County
- Town of Iron Gate
- City of Covington
- Botetourt County
- Craig County
- Town of New Castle
- Roanoke County
- City of Roanoke
- Town of Vinton
- City of Salem
- RVARC

Reduction of Loss to Wildfire

- Alleghany County
- Town of Vinton
- RVARC

Local Codes Review

- Alleghany County
- Town of Iron Gate
- City of Covington
- Botetourt County
- Town of Buchanan
- Town of Fincastle
- Town of Troutville
- Craig County
- Town of Newcastle
- Town of Vinton

Shelter Hardening

- Town of Iron Gate

Stormwater/Drainage Improvement

- Town of Iron Gate
- City of Covington
- Roanoke County
- Roanoke City
- City of Salem
- Town of Vinton

Reverse 911 System/Citizen Notification System

- City of Covington
- Botetourt County
- Craig County
- Town of New Castle
- Roanoke County
- Town of Vinton
- City of Roanoke
- City of Salem

Additional IFLOWS Gauges

- City of Covington
- Craig County
- RVARC

Floodproofing of Critical Facilities

- City of Salem

Biggest Challenge - BCA

- For Structural Projects Only
- Requires Documentation of Losses
 - Physical Damage
 - Loss of Function
 - Displacement Costs
- Project Benefits must be greater than or equal to project costs – (1:1 Ratio)

Pre-Application Form

- Due to VDEM January 31, 2011

Questions?

Robbie Coates
Hazard Mitigation Coordinator
Virginia Department of Emergency Management
10501 Trade Court
Richmond, VA 23236
(804) 897-9976
robert.coates@vdem.virginia.gov

**COMMONWEALTH OF VIRGINIA
HAZARD MITIGATION GRANT PROGRAM (HMGP)
PRE-APPLICATION FORM
DR-4024-VA**

Date: _____ Applicant Name: _____
(locality, tribe, private non-profit organization)

Contact Name: _____
 Title: _____
 Address: _____
 City, _____ Zip: _____
 Telephone Number: _____ Fax Number: _____

PROJECT INFORMATION

Project Type: _____
 Location: _____
 Problem to be solved: _____
 Description of Project (please attach any additional information as necessary):

Total Estimated Project Costs: _____

Funding Source for 25 % non-federal share: State (if available), City, and Property Owners _____

Do you have an existing "All-Hazard Mitigation Plan"? Yes No

If yes, has your plan been approved by FEMA? Yes No

If no, are you willing to write an "All-Hazard Mitigation Plan" concurrently with your mitigation project? Yes No (If no, your project application will be considered ineligible.)

FOR STATE USE ONLY

Date Received: _____

Plan: Approved Plan Unapproved Plan

Applicant: Eligible Ineligible 7 5 H O

Project: Eligible Ineligible WR FR A E R P O

Town of Fincastle

INCORPORATED 1772

P. O. BOX 250

FINCASTLE, VIRGINIA 24090

October 26, 2010

Mr. Spencer Sutter
Assistant County Administrator
205 North Roanoke St., Suite 1
Fincastle, Va. 24090

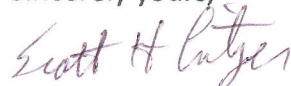
Re: Pre- Disaster Planning

Dear Mr. Sutter,

This letter is to serve as our request that you represent the Town of Fincastle at the Pre-Disaster Mitigation Planning meetings. Let us know if there is additional information that you need from the town.

Thank you for your assistance with this. Please pass along minutes and other information related to the final plans.

Sincerely yours,



Scott H. Critzer- Mayor

Town of Troutville, Virginia

William V. Rader
Mayor

Granville E. Grant
Vice Mayor

Incorporated June 1956
Chartered January 1973
5419 Lee Highway, P. O. Box 276
Troutville, Virginia 24175
(540) 992-4401
FAX (540) 992-1183

www.TownofTroutville.com

Stephen R. Wills
Town Attorney

Donna T. Hinton
Town Clerk

November 5, 2010

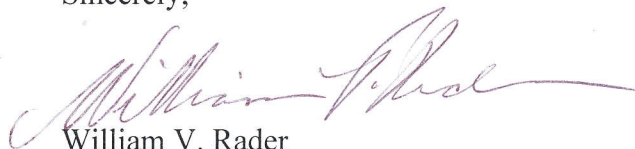
Mr. Spencer Suter
Assistant County Administrator
1 West Main Street, No. 1
Fincastle, VA 24090

Dear Mr. Suter:

This letter will serve as my request that you, serving as the representative from Botetourt County, also represent the Town of Troutville at the Pre-Disaster Mitigation Planning meetings. I understand you will provide needed land use and flood plain mapping information.

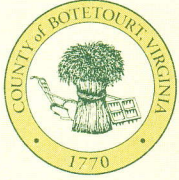
If I can be of further assistance or answer any questions, please let me know.

Sincerely,



William V. Rader
Mayor

WVR/dth



Botetourt County, Virginia
Office of the County Administrator

November 19, 2010

205 North Roanoke Street, Suite 1
Fincastle, Virginia 24090
Phone (540) 473-8301
Fax (540) 473-8288

Scott Critzer, Mayor
Town of Fincastle
P.O. Box 250
Fincastle, VA 24090

Re: Regional Pre-Disaster Mitigation Plan Update

Scott

Dear Mayor Critzer,

I am in receipt of your letter authorizing me to represent the Town of Fincastle during the update of the Regional Hazard Mitigation plan that is currently underway and which is being administered by the Roanoke Valley-Alleghany Regional Commission.

As during the original plan construction in 2005, my role will be to act as the local coordinator for the Town, ensuring that you are aware of all requirements and deadlines. I will also assist you in completing the proper documents and will gladly support you wherever require, to include offering advice with regard to continuing or new initiatives. However, the decision to continue with existing initiatives and/or to undertake any new projects will ultimately need to be made by the Town.

The final, revised plan will need to be adopted by the Town Council. Ultimately, participation in this plan, through identification of specific hazard mitigation strategies will help to ensure that the Town is eligible for FEMA grant funding for those projects, should it become available.

I've attached two documents for your review:

- 1) A draft schedule for the current update process
- 2) A copy of the Botetourt County (including Towns) section of the 2005 regional plan. The full plan may be viewed at <http://www.rvarc.org/disaster/> . I encourage you to visit the site. The executive summary is very informative.

Please look over these documents and let me know when you would like to meet and discuss. I look forward to hearing from you and working with you through this process.

Kind Regards,

Spencer Suter
Assistant County Administrator



Roanoke Valley-Alleghany

REGIONAL
commission

rvarc.org

313 Luck Avenue, SW | Roanoke, Virginia 24016 | P: 540.343.4417 | F: 540.343.4416 | rvarc@rvarc.org

Dear Neighboring Planning District,

The Roanoke Valley-Alleghany Regional Commission has been updating its Regional Pre-Disaster Mitigation Plan to fulfill the requirements for the Disaster Mitigation Act of 2000. Currently the draft has been submitted to VDEM and FEMA for review. Changes requested by those agencies are being incorporated in the final draft of the plan at this time.

I invite you to review our draft Pre-Disaster Mitigation Plan Update for 2013. The plan can be downloaded at . <http://www.rvarc.org/disaster/index.htm> .Eddie Wells, Senior Planner at RVARC is coordinating the project.

Please provide questions, comments and suggestions by May 24, 2013.



Roanoke Valley-Alleghany

REGIONAL
commission

rvarc.org

313 Luck Avenue, SW | Roanoke, Virginia 24016 | P: 540.343.4417 | F: 540.343.4416 | rvarc@rvarc.org

MEMORANDUM

TO: Local Institutions of Higher Learning
FROM: Eddie Wells, AICP, Senior Planner
DATE: May 8, 2013
SUBJ: Draft Pre-Disaster Mitigation Plan

The Roanoke Valley-Alleghany Regional Commission, in conjunction with its member localities, is developing a Regional Hazard Mitigation Plan. The Plan includes the counties of Alleghany, Botetourt, Craig and Roanoke; the cities of Covington, Roanoke and Salem; and the towns of Buchanan, Clifton Forge, Fincastle, Iron Gate, New Castle, Troutville, and Vinton.

This is to advise that a draft of the plan can be accessed on the Commission's website at <http://www.rvarc.org/disaster>.

The Virginia Department of Emergency Management and FEMA desire that the PDCs/Regional Commissions developing Regional Hazard Mitigation Plans make local institutes of higher learning aware of their planning efforts since your institution may be eligible for hazard mitigation funding.

Any comments on the draft plan should be directed to: Eddie Wells, Senior Planner, Roanoke Valley-Alleghany Regional Commission, P.O. Box 2569, Roanoke, VA 24010; 540-343-4417; Fax: 540-343-4416; email: ewells@rvarc.org.