

NRV Hazard Mitigation Plan 2016 Update Working Group: High Winds (non-rotational) and Tornadoes

October 6, 2016, 10:30 am - 12:00 pm

New River Room, New River Valley Business Center Fairlawn, VA

Agenda

1.	We	elcome	
2.		gh Winds (non-i d Tornadoes	rotational)
3.	20	11 Pulaski Torna	adoPete Huber Pulaski County
			Janet Jonas Community Planning Partners
4.	Da	ta Review	
5.		gional Mitigatio view	n Strategy
6.	Wı	rap Up	
	a.	Question and a	answer
	b.	Next meeting-	November 3, 2016 (Please check your calendars to see if we might be able to reschedule to November 10 th)

HAZARD MITIGATION Working Group – Winds Meeting Notes October 6, 2016

Attending: <see list>

Notes

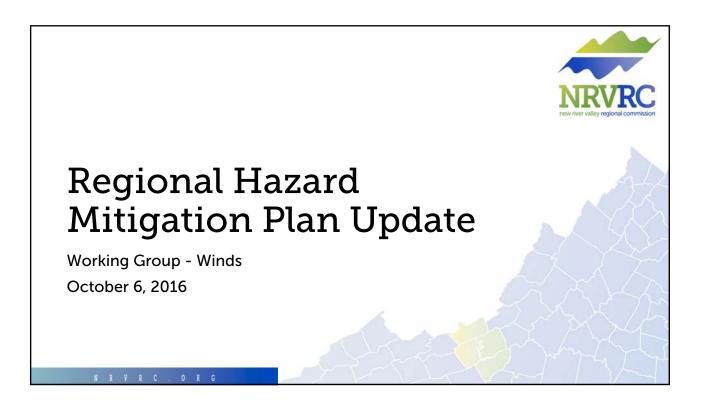
- 1. Overview of project
 - a. 5-year timeline to update, last adopted in 2012
 - b. Once adopted by localities, eligible for federal mitigation funding
 - c. Reviewed schedule of future working groups please send contact information to Christy Straight for any stakeholders and subject matter experts that should be invited to participate
- 2. Presentation by Will Perry of National Weather Service
 - a. Presented technical information on winds and their impacts in the region
 - b. Presentation included in this file
- 3. Presentation by Pete Huber, Pulaski County and Janet Jonas, Community Planning Partners
 - a. Spoke on the process for 2011 Pulaski area tornados' response and recovery
 - b. Presentation included in Parts 2 and 3 for the October 6 meeting on the website
- 4. Reviewed summary of data for tornados and non-rotational winds
- 5. Goals and Strategies
 - a. Reviewed 2011 goals, objectives and strategies
 - b. Group discussion for any changes and additions to the list
- 6. Next Meeting: November 10 at 10:30 AM, topic winter hazards
- 7. Comments
 - a. National Weather Service is having an Open House on October 29, 10 am to 3 pm.
 - b. VDEM
 - i. Mentioned software for event response called Crisis Track that could be useful on a regional level. Pursuing funding to acquire.

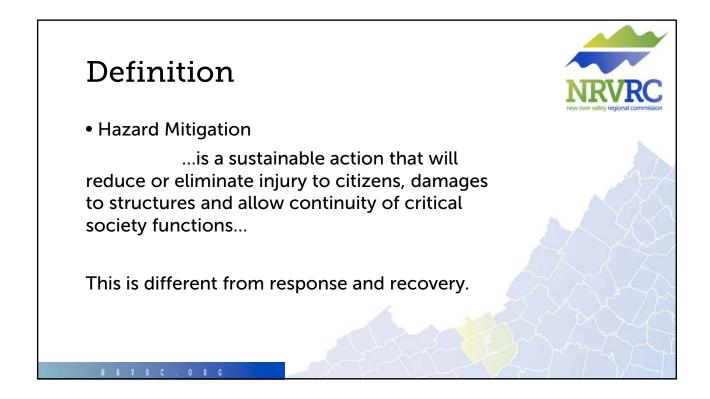
Adjourned

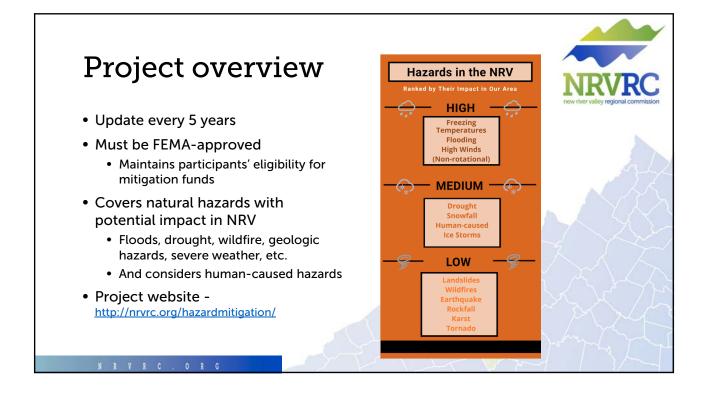
Sign In Sheet

Hazerd Mitigction Winds Working Group October 6, 2016

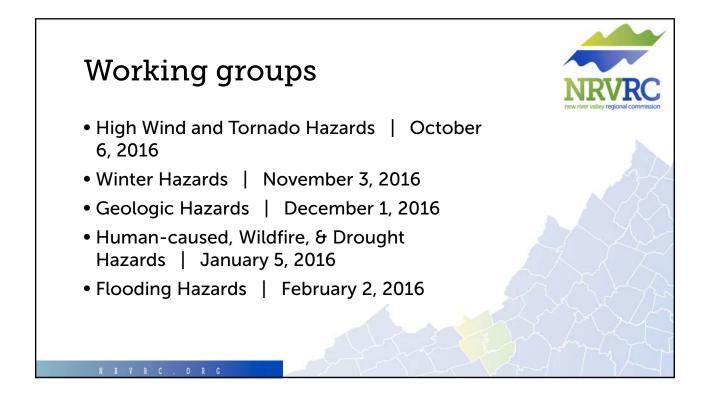
Ŕ	Organization	Email
6rady Un 1:15:4	And boil University	iclevilisoredbord. Edu
A T- MANNCONE	Restan animated	attenues of ther. ele
1, JII Perry	Nghenel Wedder Servic	WOILTER , DEM @ NOQL, RO!
WILLIE RICHARDSON	NDEN	WILLIAM, RICHBROOK VDEN, UNGALIA, COV
Lydean Marki	Flad le	In a ti & Play deverage
Robbie Kiser	Town of Palask,	rkiser @ Pulaski town. org
Patrick Wilson	National Weather Service	patrick wilson @ noda.gov
Una Hamingler	VDEM	Scrachanning tone volem. Nirgi Mar 61
Figh Andred	Pulaski Coundy	phuber @ pulast-opunt. orr
JOHN ROCS	Giles County	To SSO Gilo County and
Buddly KOST	TOWN OF MARROWS J	2KASTE TOWN of NATROWS, ONE
Metissa Stel Fun	City of Raclord	M.I. Stelton en Madia. Sol
Jay Ernes	City of Radford	Jay. Earos Douttoidva.gou
Jonathan T. Simmons	Vin Duph. at Emery. Mgmh.	junchton. Simmens Eudem. virginia. govi
-Janet Jonas	Community Manning Partners	ilionas a croartners inc.com
Anamaria Bukvic	virainia Tech	ana bukvicg vt. edu
Emily Gibson	INDAT CO	allosone @ manlegnere on wash
DAVID LINKOUS	New River Health Dist. (NOH)	New River Health Dist. (NOH) Javid . 1. A Kows @ volk. virginir. for
Kau Crepter	706	Krasper@blacksburg.gov

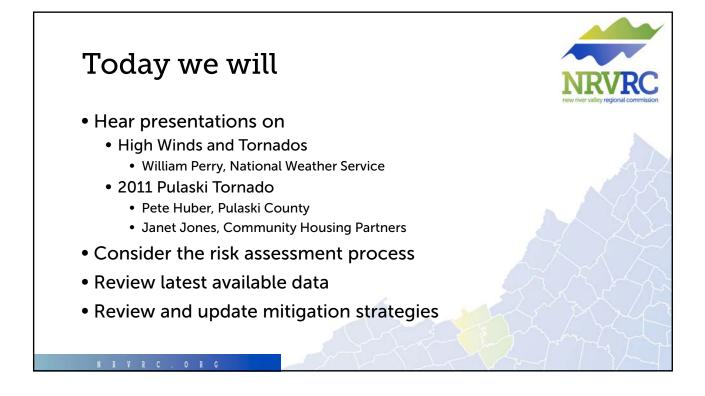


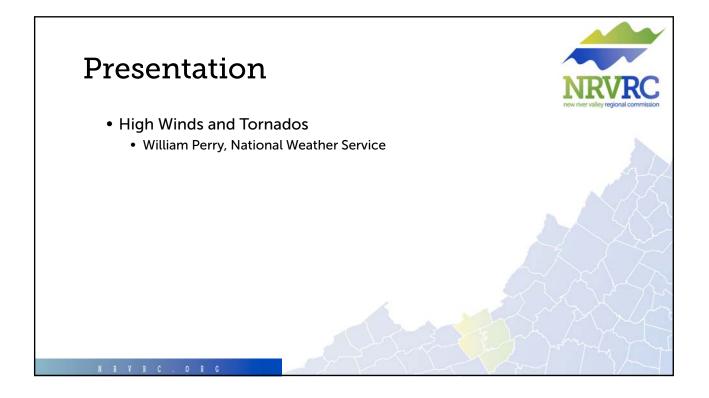


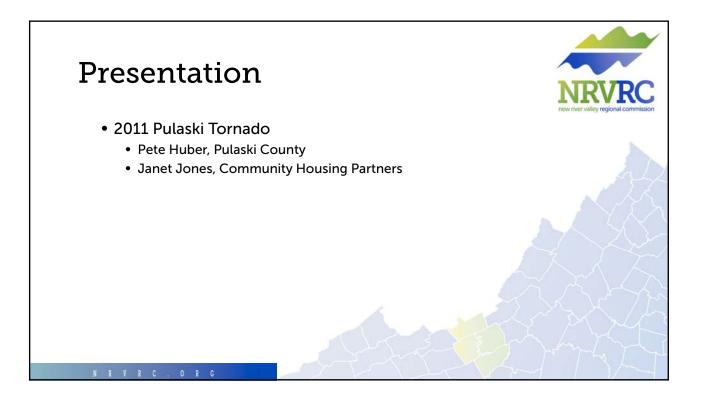


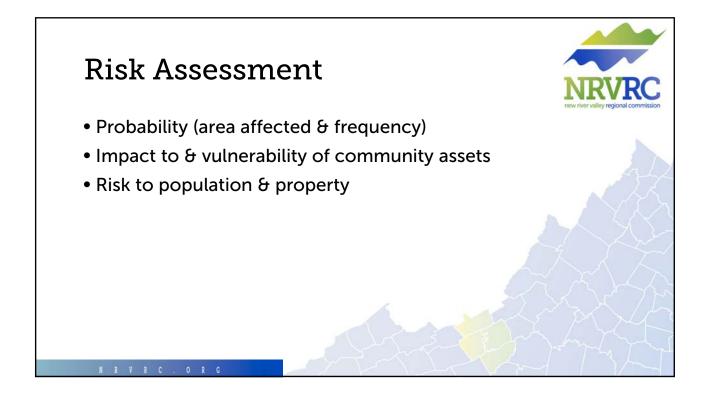


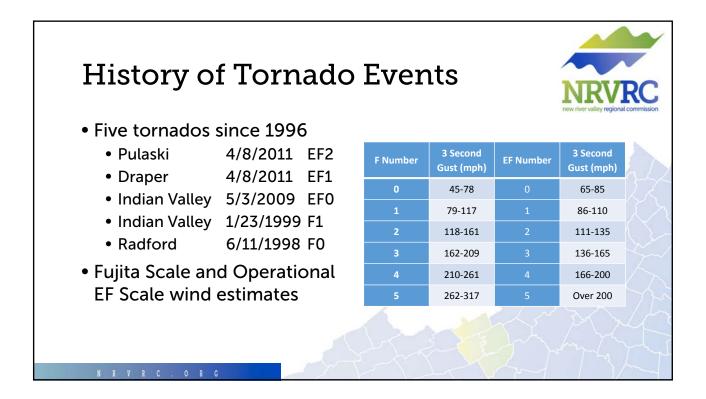


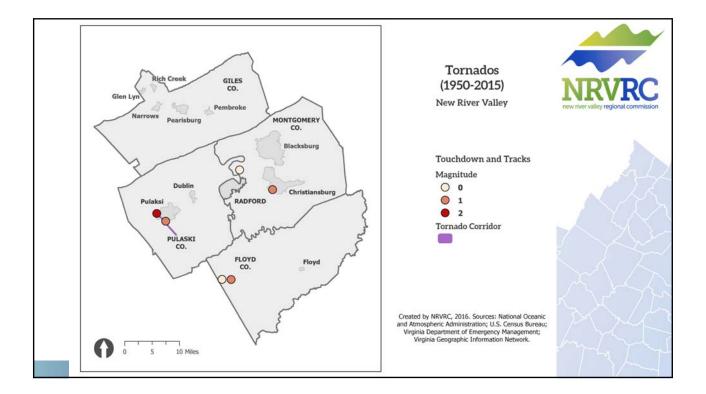


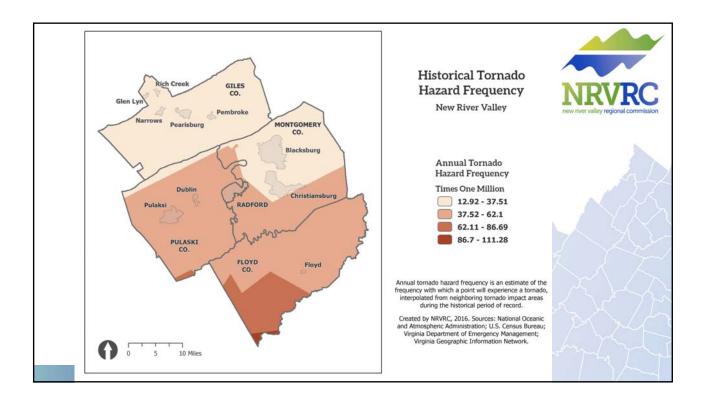


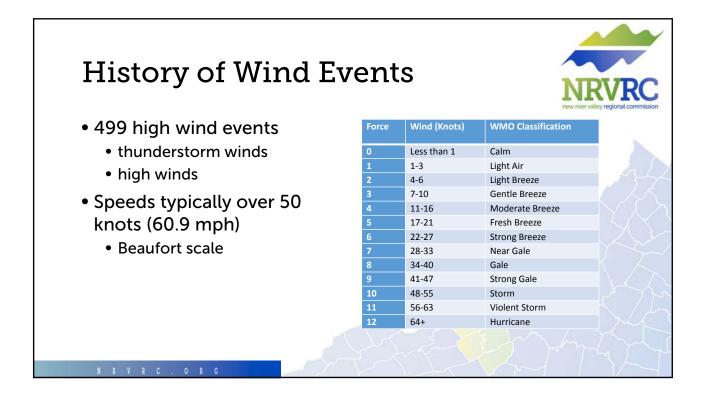


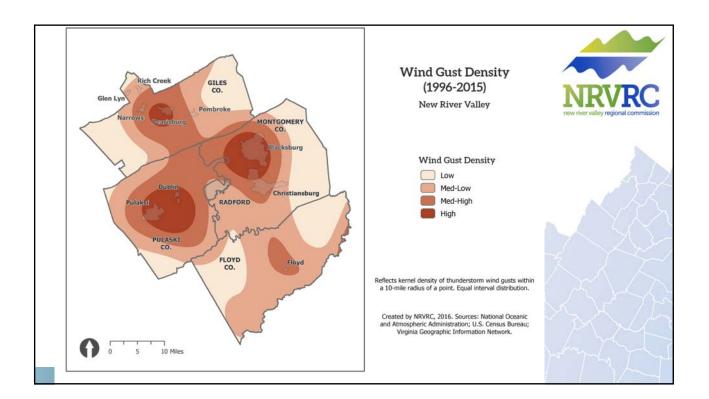


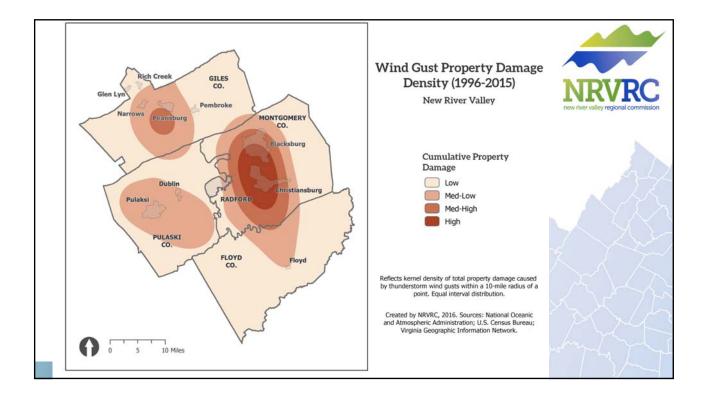






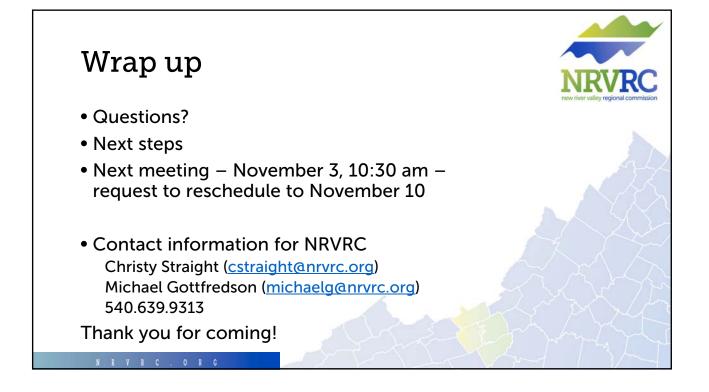






Annualized Lc Using HAZUS-MH 	SS	N Rew (IRVR(tver valley regional commis
(2013 data)	Locality	Loss	
 Based on a 100-year 	Floyd County	\$19,996	5
simulation of	Giles County	\$13,893	
anticipated high winds	Montgomery County	\$101,587	
activity	Pulaski County	\$54,601	
• This is a number to	City of Radford	\$18,441	
gauge comparative risk			
N R V R C . O R G			

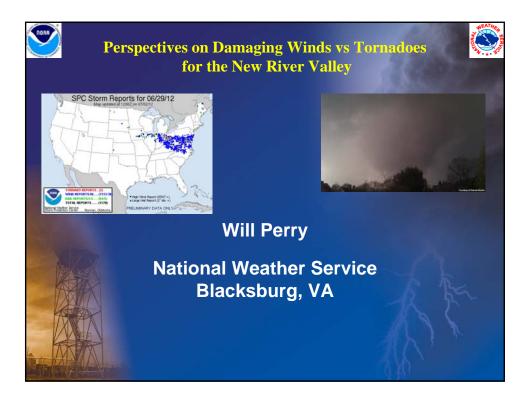


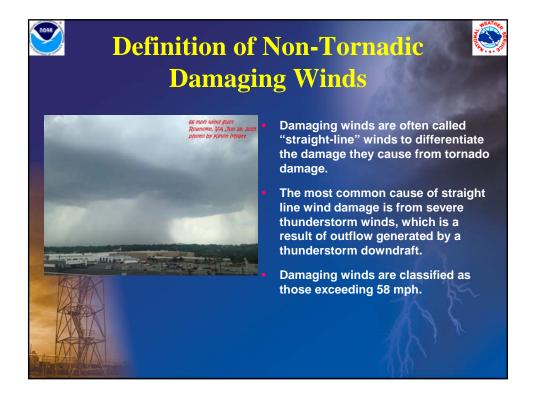


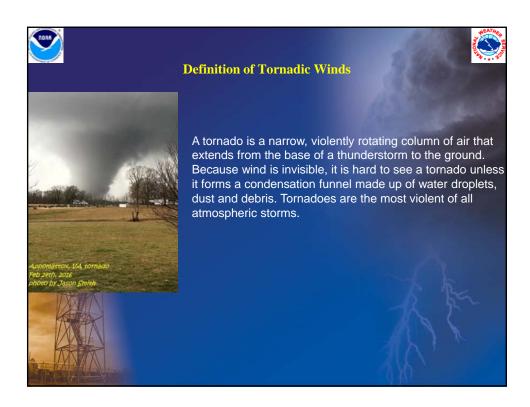
Winds: 2011 Goals, Objectives, Strategies

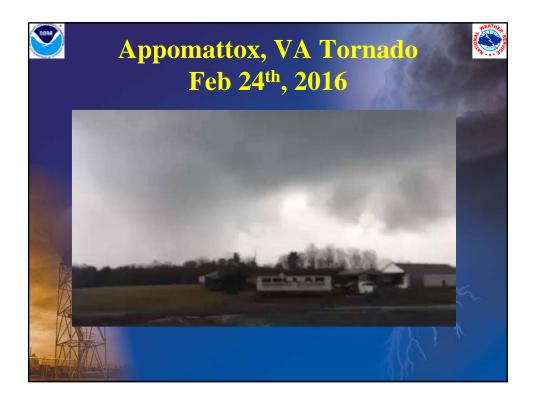
Minimize impacts of significant weather events, such as winter weather and severe weather events in the NRV.

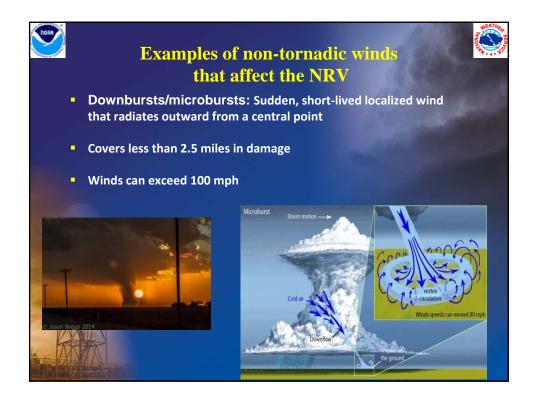
- s. Encourage activities to prevent impacts during storm events.
 - i. Promote the installation and maintenance of drift fences to maintain access during snow events.
 - ii. Emphasize that all road maintenance be done prior to storms to prevent access issues.
- t. Develop educational materials and events to prevent loss of life and property in severe weather events.
 - i. Emphasize what should be done during a storm event (i.e., lightning) to maintain safety.
 - ii. Educate landowners about how overhanging utility lines and trees can cause property damage during a storm.
 - iii. Continue educational efforts during times when events are not occurring (i.e., brochures, websites, awareness weeks-promotions coordination).
 - iv. Create a brochure or handout of local hazards to provide to the community.
 - v. Pursue <u>and maintain</u> Storm Ready designation for the region's communities.
- *u.* Encourage preparation and planning activities that ensure minimal impacts to life and property.
 - i. Encourage personal planning for storm events and their impacts.
 - ii. Inventory public facilities to determine the need for back-up power generation.
 - iii. Inventory of possible roof collapses through an analysis of building permits to determine need for future mitigation efforts.
 - <u>iv.</u> Engage in regional emergency management exercises (table-top and field) to train responders.
 - iv.v. Look into techonology to be applied on a regional level (damage assessement software such as Crisis Track)

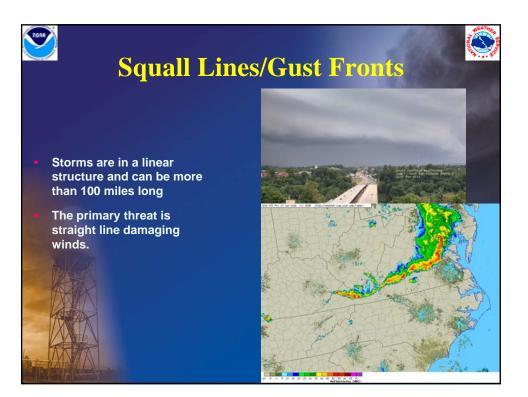


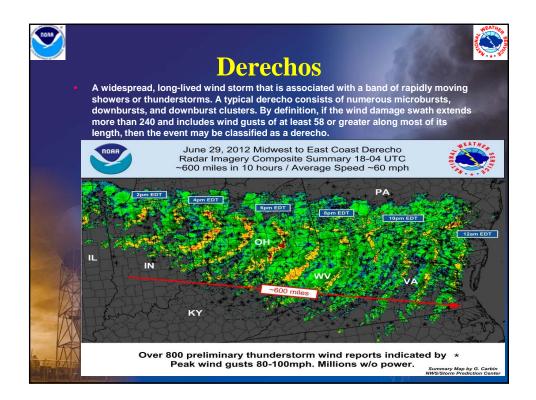


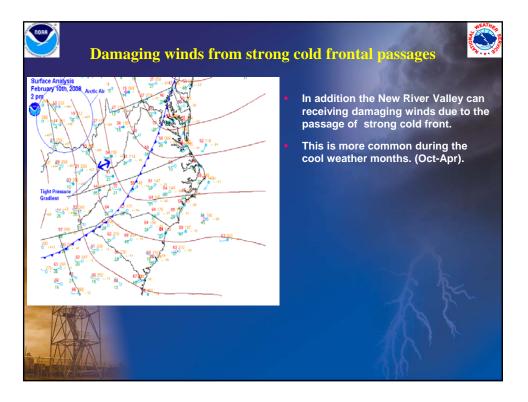






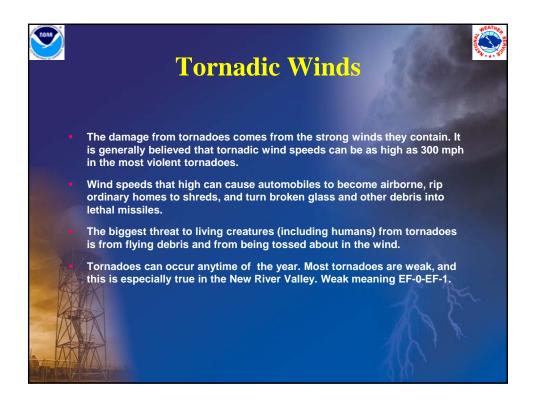




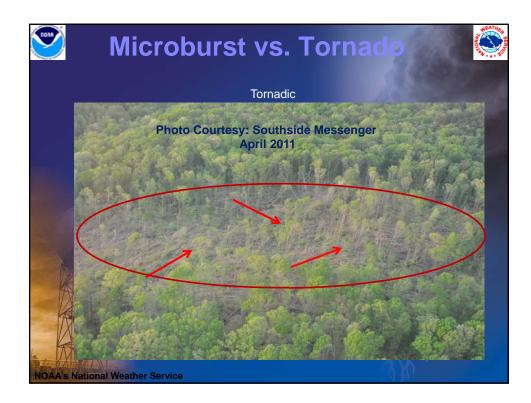


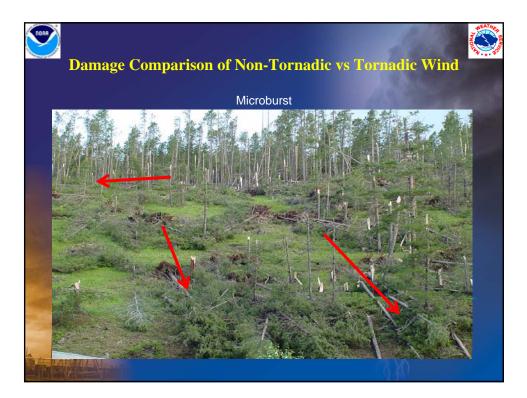






Enhanced F	ujita S	cale		
Percentage of All Tornadoes 1950-2012 by Fujita Scale Class unknown 1864 F4 + F5 764 370 104 F2 + F3 11337	ENHANCED FUJITA SCALE			
F0+F1 F2+F3 76%	EF5	+200 mph		
F0 + F1 43252 57,217 tornadoes in count	EF4	166-200 mph		
From: Tornado Project Percentage of Tornado-Related Deaths 1950-2011 by Fuita Scate Class	EF3	136-165 mph		
# unknown 0% # F0+F1 4% 400 # F4+F5	EF2	111-135 mph		
= F2+F3 29% 29% 67%	EF1	86-110 mph		
	EF0	65-85 mph		





Impacts by County of Damaging Winds vs Tornadoes All Non-Tornadic Wind Damage Jan 2005-Jun 2016						
County	# of Events	\$ Damage	Deaths			
Giles	89	\$697,100	0			
Montgomery	95	\$1,308,000	0			
Pulaski	90	\$845,850	0			
Floyd	63	\$410,500	0			
City of Radford	28	\$139,300	0			
Totals	365	\$3,400,750	0			

Impacts by County of Damaging Winds vs Tornadoes All Tornadic Wind Damage Jan 2005-Jun 2016							
County	# of Events	\$ Damage	Deaths				
Giles	0	\$0	0				
Montgomery	0	\$0	0				
Pulaski	2	\$5,300,000	0				
Floyd	1	\$10,000	0				
City of Radford	0	\$0	0	ñ.			
Totals	3	\$5,310,000	0	5			

