

Weather Advisory: Potential For Damaging Winds and Isolated Tornadoes Tuesday Morning

posted by Frank Thomason on Monday, April 04, 2011 12:00 AM

A sharp cold front extending from northern Ohio through western Kentucky and western Tennessee to northern Mississippi will move to just west of the Appalachian Mountains this evening. The front is then expected to cross the western half of our region including the mountains and foothills of North Carolina, Northeast Georgia, and the western upstate of South Carolina by around 3:00 AM EDT Tuesday. We have the front roughly from just west of Hickory to around Spartanburg and Elberton at that time. The cold front will then move east across the remainder of the upstate of South Carolina and the western Piedmont of North Carolina during the wee hours or predawn hours Tuesday.

In advance of the cold front a squall line is expected to race across the region tonight. The atmosphere will be characterized by very strong wind fields as the squall line moves through. As a result, wind damage potential will be on the increase. In addition, the very strong winds will promote the potential for isolated tornadoes to develop near or along the squall line. Brief but torrential rain is also likely to accompany the cold front.

Considering the time of day for the squall line to move through, there is concern that people may be unaware of the threat level. As a result we recommend families review their emergency action plans before going to bed tonight. In addition, make sure you have your NOAA Weather Radio with the warning alarm feature turned on and a fresh set of batteries installed. For businesses which operate 24 by 7, ensure you have reviewed your emergency action plan.