



National Weather Service

Definitions for New York State



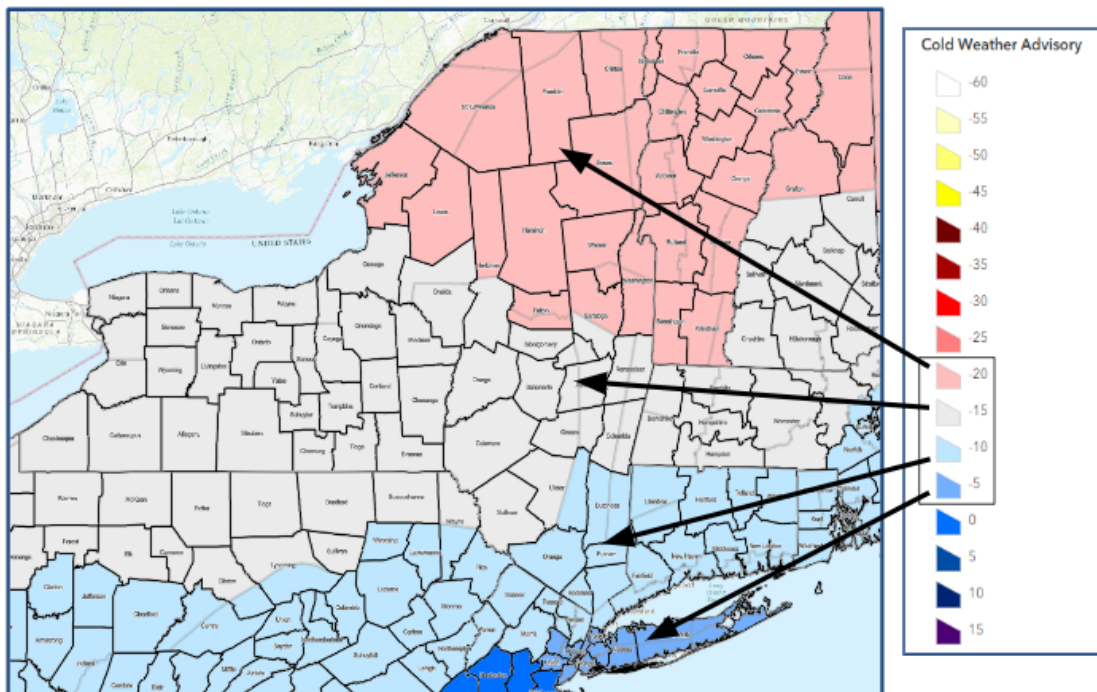
EXTREME COLD

Extreme Cold Consolidation and Renaming



Allows the NWS to communicate that cold is dangerous with or without wind!
Temperature thresholds also updated; based on climatology.

COLD WEATHER ADVISORY: dangerously cold temperatures and/or wind chill readings are expected





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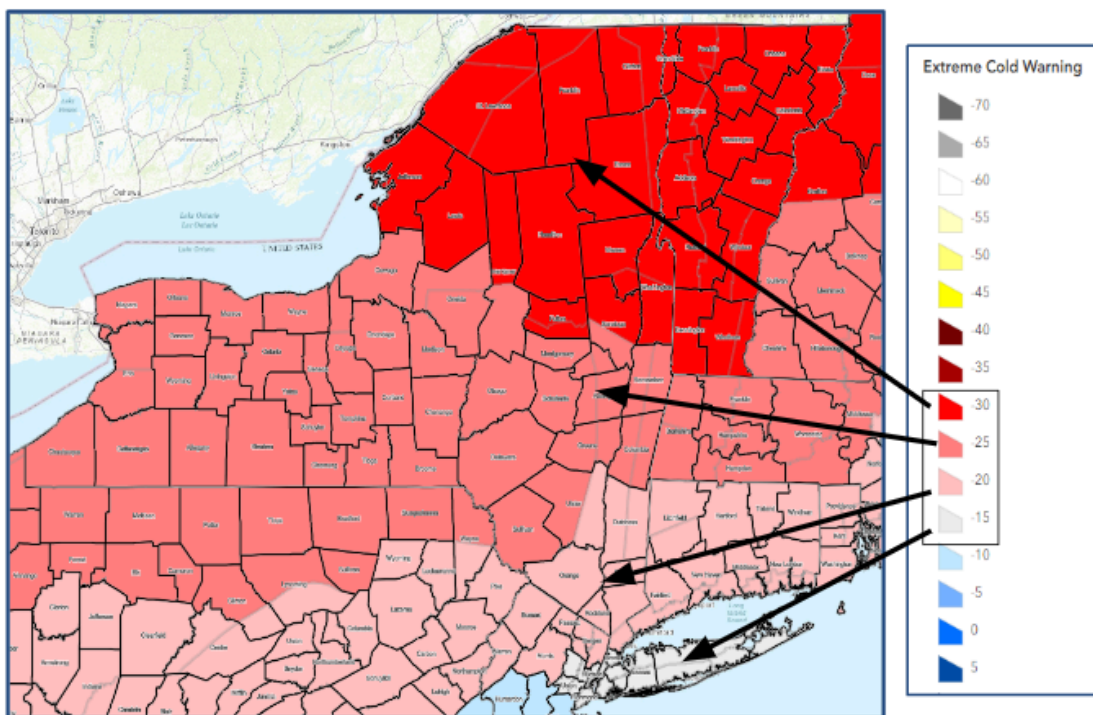
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EXTREME COLD

EXTREME COLD WATCH: Issued when **life-threatening** cold temperatures and/or wind chill readings are **possible**

EXTREME COLD WARNING: Issued when **life-threatening** cold temperatures and/or wind chill readings are **expected**





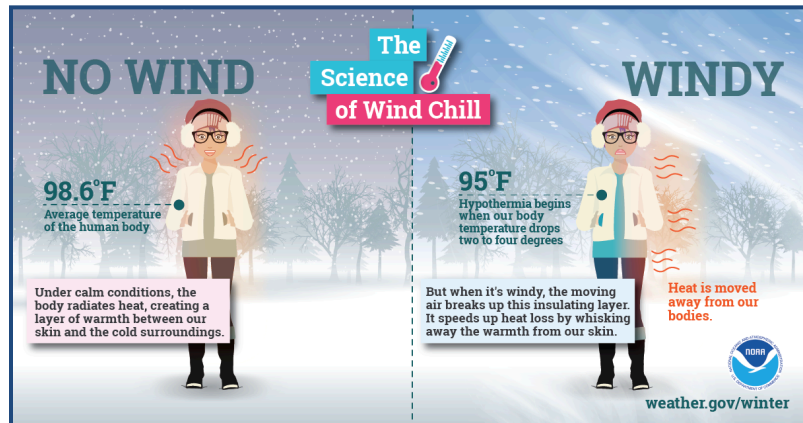
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EXTREME COLD

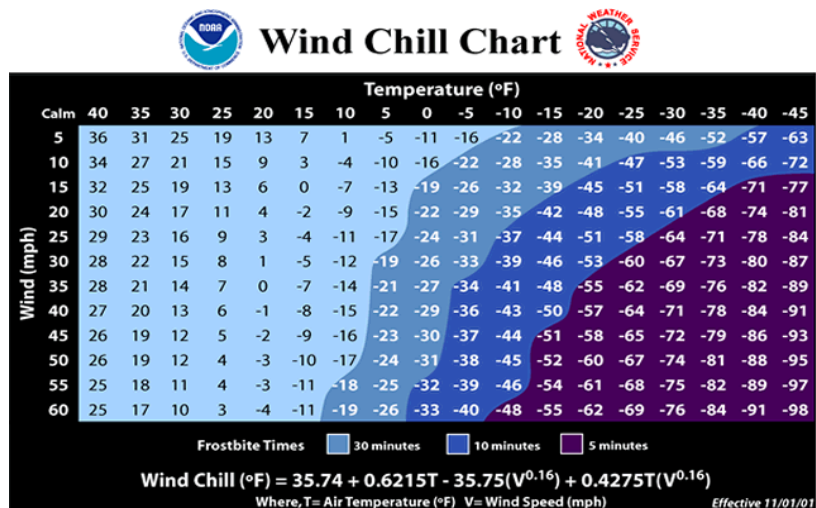
WIND CHILL is the temperature it “feels like” outside based on the rate of heat loss from exposed skin caused by the effects of wind and cold. As the wind increases, the body is cooled at a faster rate causing the skin temperature to drop.



This chart includes three shaded areas of frostbite danger.

Each shaded area shows how long (30, 10 and 5 minutes) a person can be exposed before frostbite develops.

Example, if the air temperature is 0°F and the wind speed is 20 mph, the Wind Chill is -22°F. Under these conditions, exposed skin can freeze in 30 minutes



Frostbite is an injury to the body caused by freezing body tissue.