



National Weather Service

Definitions for 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

20 to 29 degrees below zero

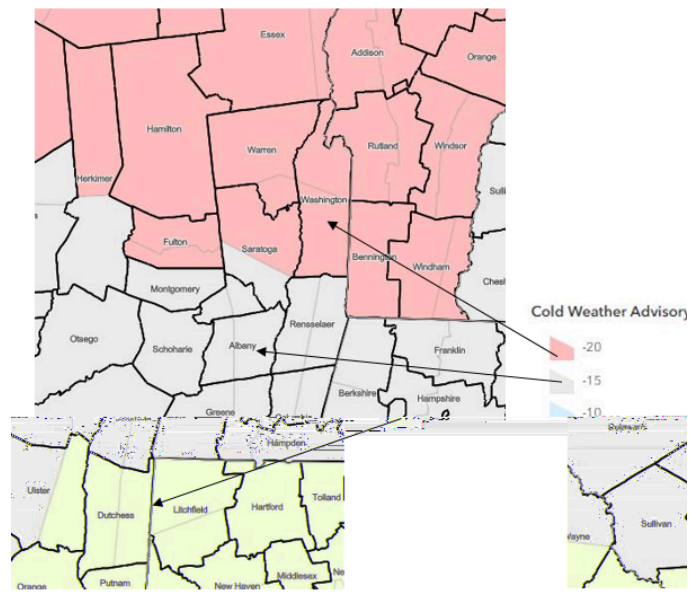
- eastern New York: Fulton, Hamilton, northern Herkimer, northern Saratoga, Warren, and Washington counties
- southern Vermont: Bennington and Windham counties

15 to 24 degrees below zero

- eastern New York: Albany, Columbia, Greene, southern Herkimer, Montgomery, Schenectady, Schoharie, southern Saratoga, Rensselaer, and western Ulster counties
- western Massachusetts: Berkshire County

10 to 19 degrees below zero

- eastern New York: Dutchess and eastern Ulster counties
- northwestern Connecticut: Litchfield County





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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**

30 degrees below zero and colder

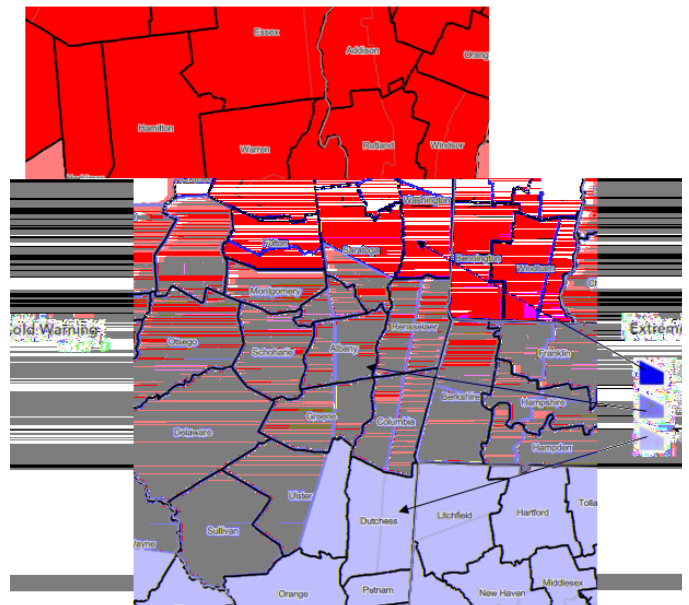
- eastern New York: Fulton, Hamilton, northern Herkimer, northern Saratoga, Warren, and Washington counties
- southern Vermont: Bennington and Windham counties

25 degrees below zero and colder

- eastern New York: Albany, Columbia, Greene, southern Herkimer, Montgomery, Schenectady, Schoharie, southern Saratoga, Rensselaer, and western Ulster counties
- western Massachusetts: Berkshire County

20 degrees below zero and colder

- eastern New York: Dutchess and eastern Ulster counties
- northwestern Connecticut: Litchfield County

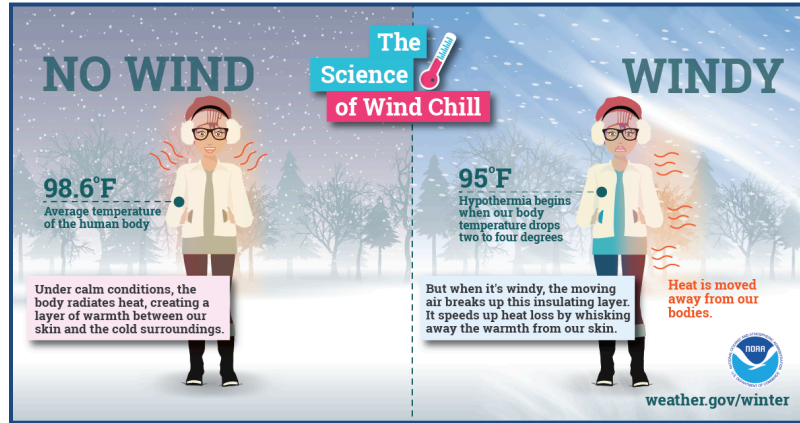




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Definitions for EXTREME COLD

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.

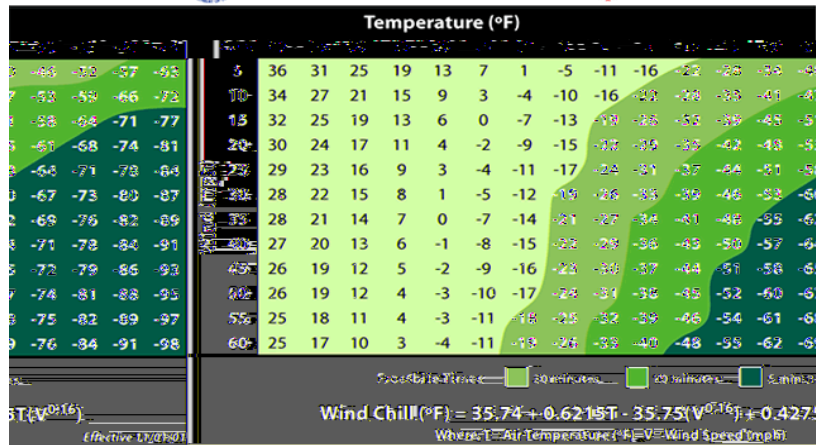


This chart includes three shaded areas of frostbite danger.

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

Wind Chill Chart



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