Figure 250-1CDN and 250-2CDN
Loading for Grades B, C and D

General Loading Map of Canada with respect to loading of overhead lines.

Figure 250-1CDN

Figure 250-2CDN is a wind map of North America reproduced from ASCE 7-88 [52]. For Hawaii and Puerto Rico, the basic wind speeds are 80 mi/h and 95 mi/h, respectively.

Note: Wind velocity usually increases with height; therefore, experience may show that the wind pressures specified herein need to be further increased.
Figure 250-1USA and 250-2USA
Loading for Grades B, C and D

The localities are classified in the different loading districts according to the relative simultaneous prevalence of wind velocity and thickness of ice that accumulates on wires. Light loading is for places where little, if any, ice accumulates on wires.

Note:

WIND VELOCITY MAP

Annual extreme wind velocity 30 feet above ground, 50-year recurrence interval

Note: Wind velocity usually increases with height; therefore, experience may show that the wind pressures specified herein need to be further increased.

WIND SPEEDS

- Below 70 mph
- 70-80 mph
- 80-90 mph
- 90-100 mph
- Over 100 mph

Special Winds
- Santa Ana Winds — Southern California
- Gorge Winds — Columbia River Valley of Washington and Oregon
- Wasatch Mountain Winds — Utah
- Chinook Winds — Eastern slope of Rockies in Montana, Wyoming, Colorado

Alaska & Hawaii — 90 mph

Special High Winds
- Over 100 mph

Basic Wind Speed (miles per hour)
(This figure is reproduced by permission of the American Society of Civil Engineers.)