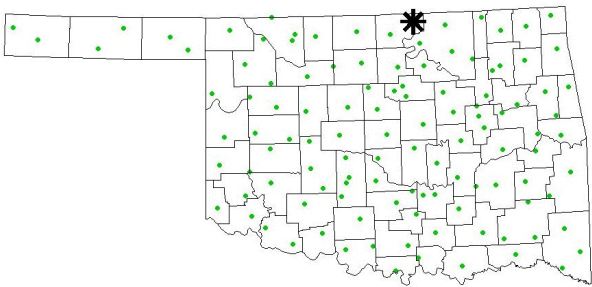


Wind Climatology Newkirk Mesonet Station Station ID: NEWK



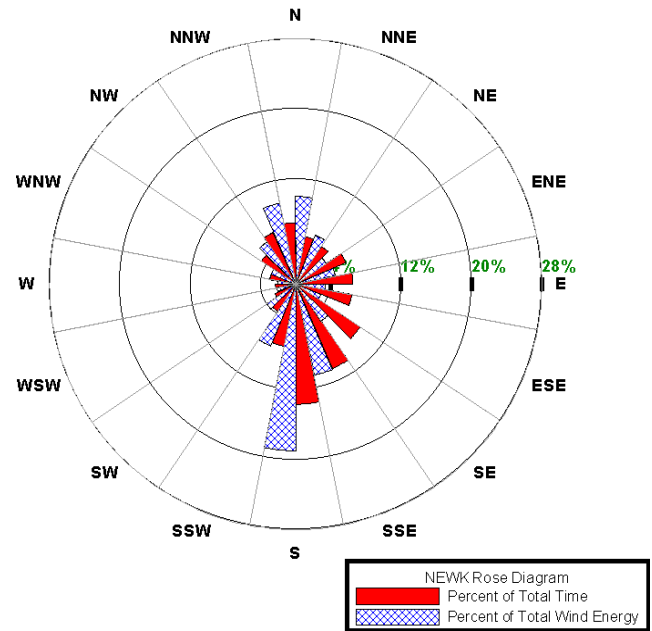
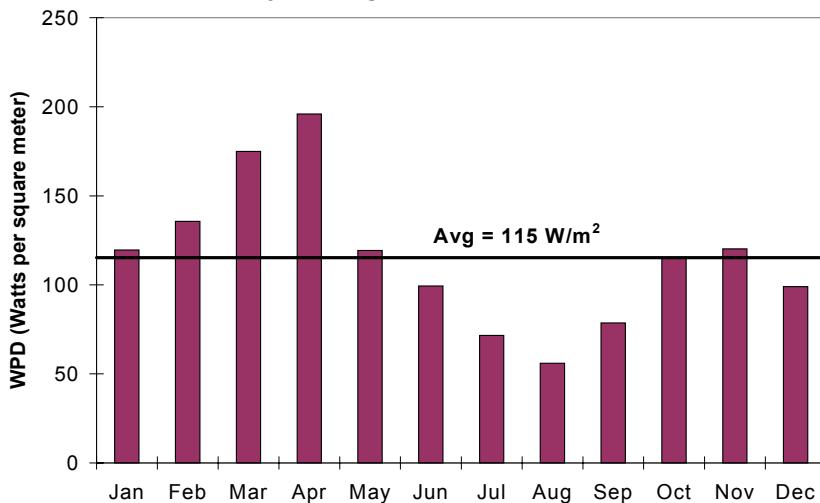
Class 2 Site (January '94 – December '00)
Average 10 m Wind Speed = 4.76 m/s (10.6 mph)
Average 10 m Power Density = 115 W/m²



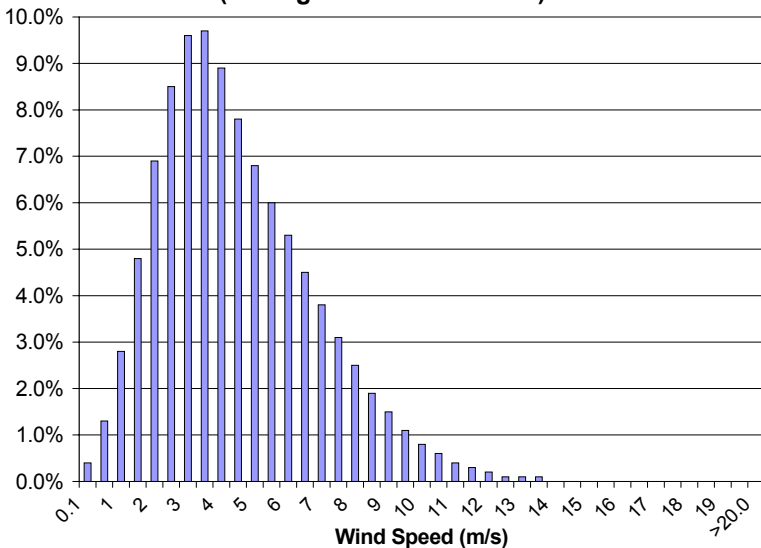
Site Conditions: The station's fetch conditions are rated "excellent". The terrain exposure at the site is +9 meters to the north and +26 meters to the south.

Other wind Statistics: The five-minute averages for ten-meter wind speeds exceeded 9 m/s (20.1 mph) approximately 5.2% of the time, while winds were less than 4.5 m/s (10.1 mph) approximately 52.9% of the time.

**Monthly Wind Power Density at 10 m
(Monthly Averages over 1994 to 2000)**



**Frequency Distribution of Winds
(Average over 1994 to 2000)**



**Annual Wind Power Density at 10 m
(1994 to 2000)**

