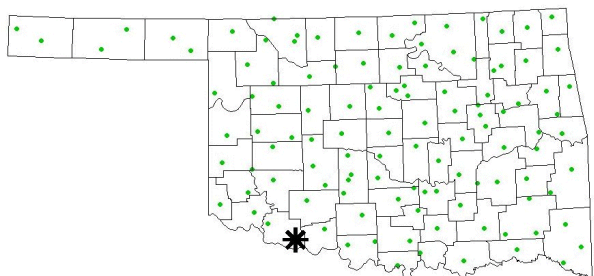


Wind Climatology Grandfield Mesonet Site Station ID: GRAN



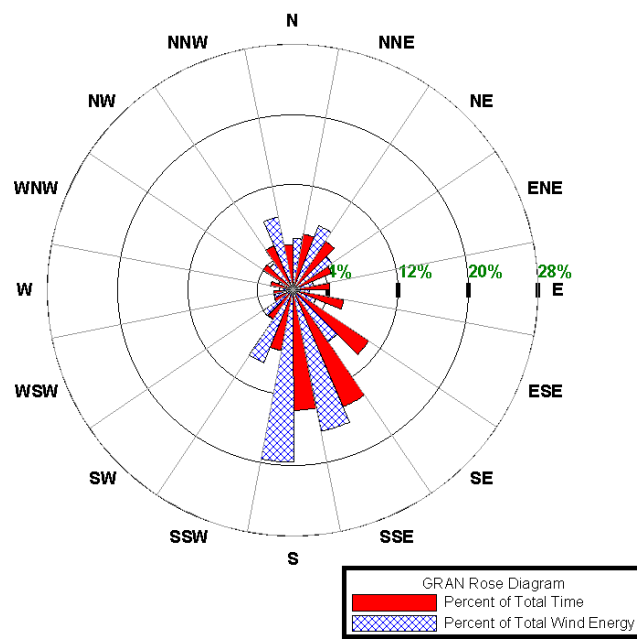
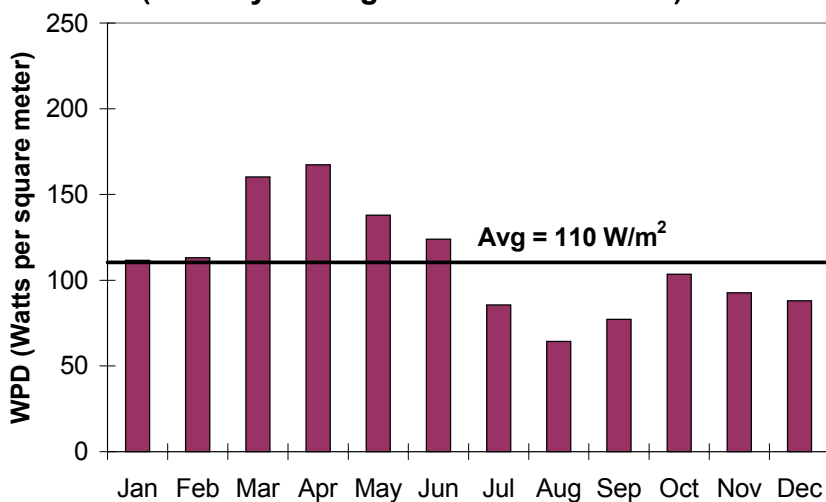
Class 2 Site (January '94 – December '00)
Average 10 m Wind Speed = 4.71 m/s (10.5 mph)
Average 10 m Power Density = 110 W/m²



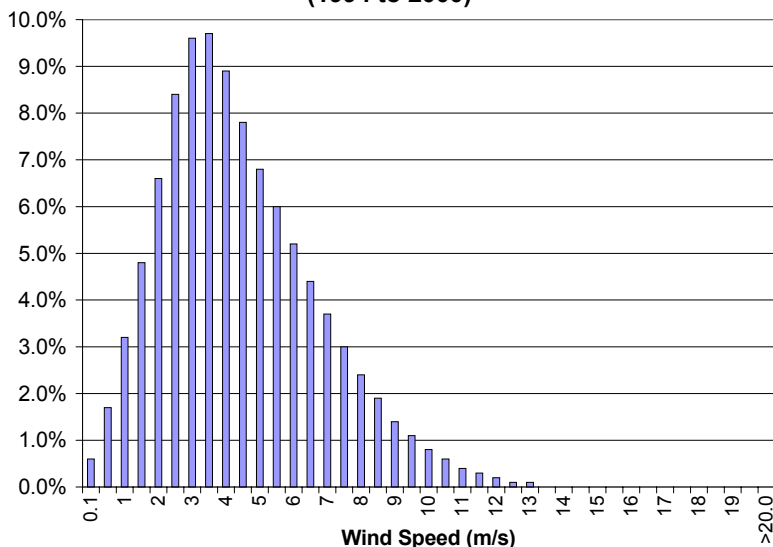
Site Conditions: The station's fetch conditions are rated "good". The terrain exposure at the site is +20 meters to the north and +4 meters to the south.

Other Wind Statistics: The five-minute averages for ten-meter wind speeds exceeded 9 m/s (20.1 mph) approximately 5.0% of the time, while winds were less than 4.5 m/s (10.1 mph) approximately 53.5% of the time.

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



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



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

