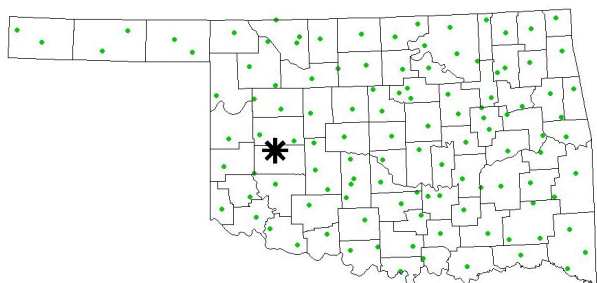


# Wind Climatology Bessie Mesonet Station Station ID: BESS



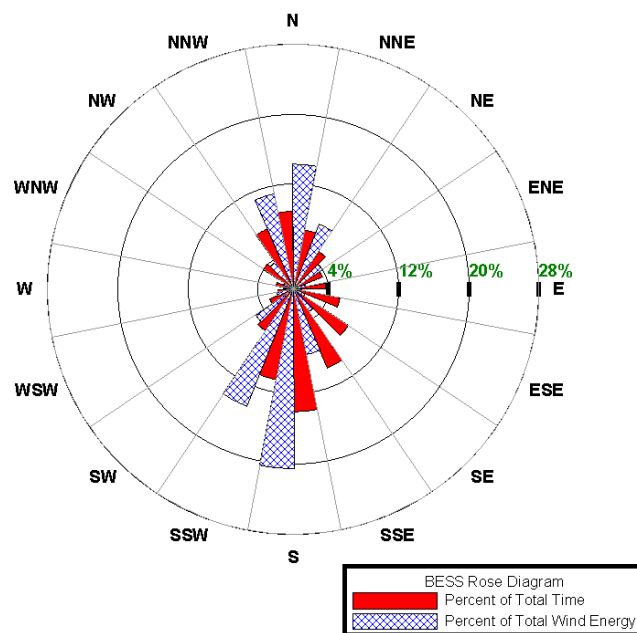
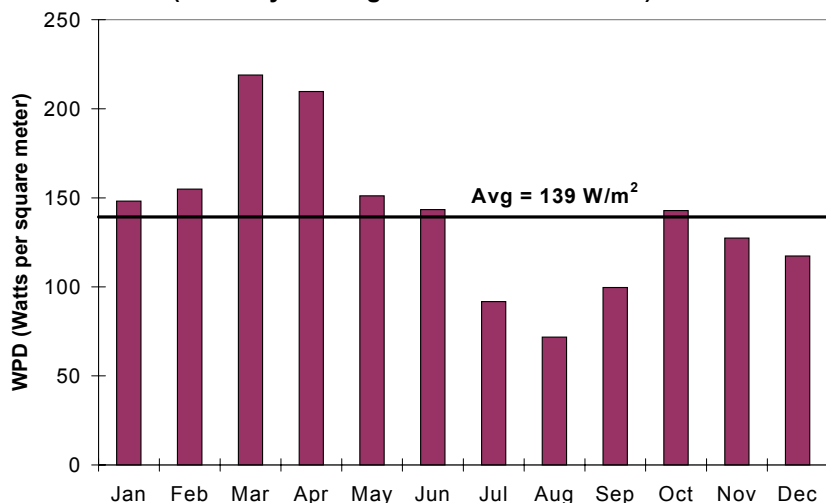
**Class 2 Site (January '94 – December '00)**  
**Average 10 m Wind Speed = 4.94 m/s (11.1 mph)**  
**Average 10 m Power Density = 139 W/m<sup>2</sup>**



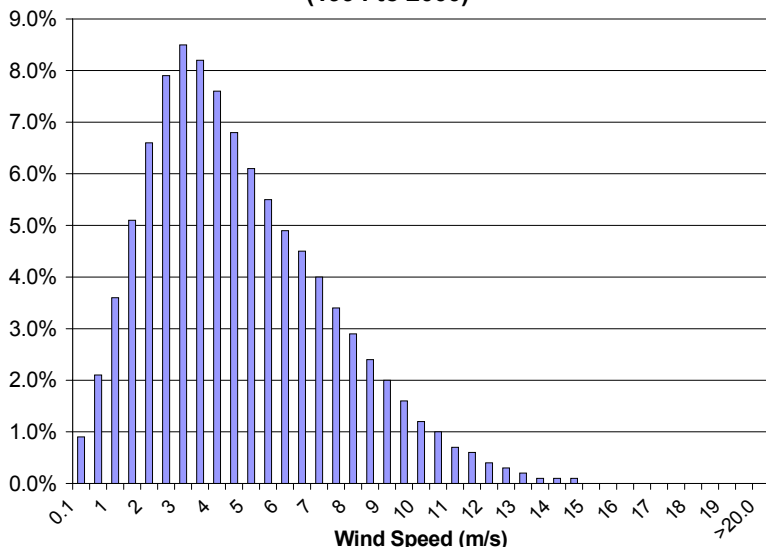
**Site Conditions:** The station's fetch conditions are rated "excellent". The terrain exposure at the site is +6 meters to the north and +6 meters to the south.

**Other Wind Statistics:** The five-minute averages for ten-meter wind speeds exceeded 9 m/s (20.1 mph) approximately 8.3% of the time, while winds were less than 4.5 m/s (10.1 mph) approximately 50.5% 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)**

