

Wind Resource Summary for Carbondale Site

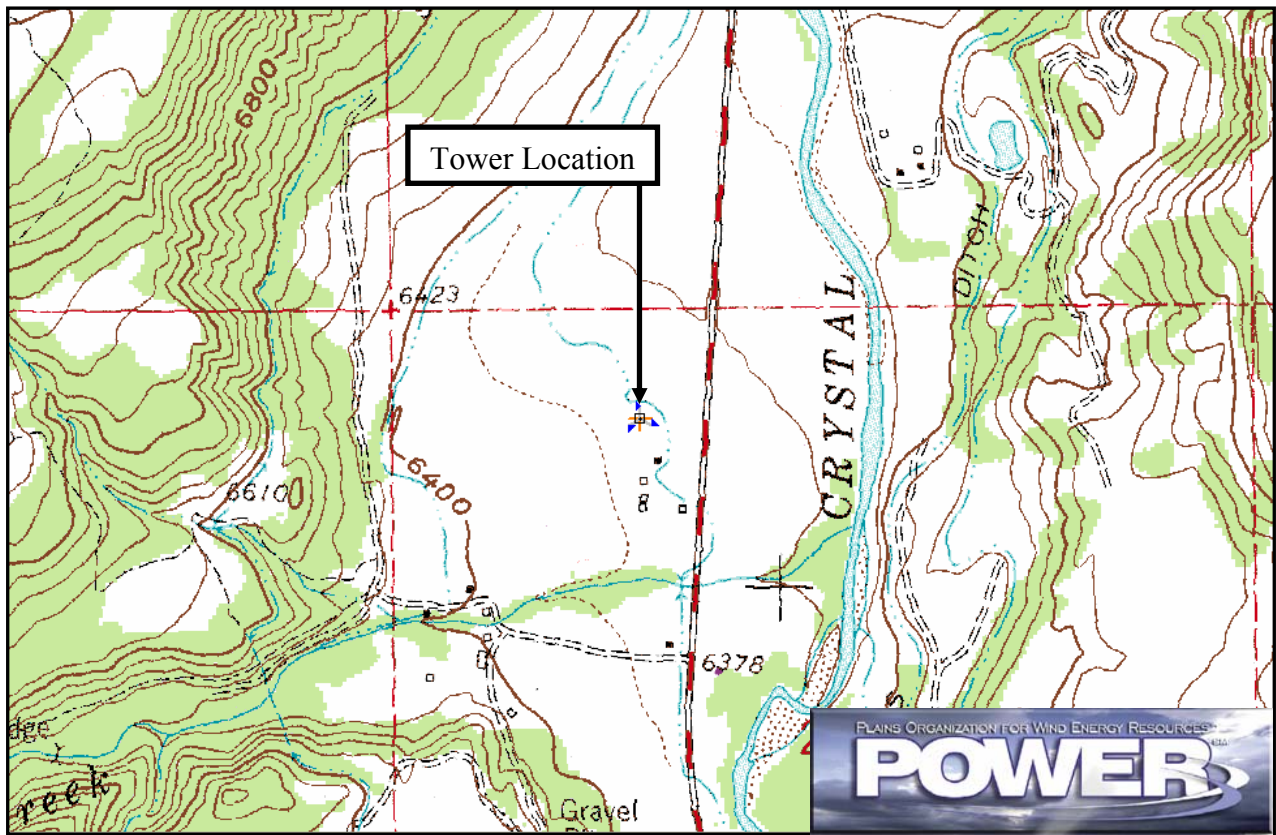
Colorado Anemometer Loan Program

Monitoring Period:^a 8/5/2004 – 7/26/2005

Site Description:

Latitude: N 39° 20' 10"	Township: 8 S
Longitude: W 107° 12' 43"	Range: 88 W
Elevation: 6407 feet	Section: 27
Tower Type: NRG Tilt-Up	Tower Height: 66 feet

The site is approximately 4.1 miles south of the town of Carbondale, Colorado in a north-south mountain valley. The tower is located in the middle of a meadow roughly 300 feet north of a rural residence. Surrounding the meadow are trees that are between 6 and 30 feet tall.



Summary Wind Data:	66 ft AGL ^b
Mean Wind Speed	5.3 mph
Maximum, 10-min Mean Wind Speed	30.6 mph – 5/17/2005 2:40 a.m.
Estimated Wind Power Class ^c	Class 1 (24 W/m ²)

^a Data recovery rate was 98%.

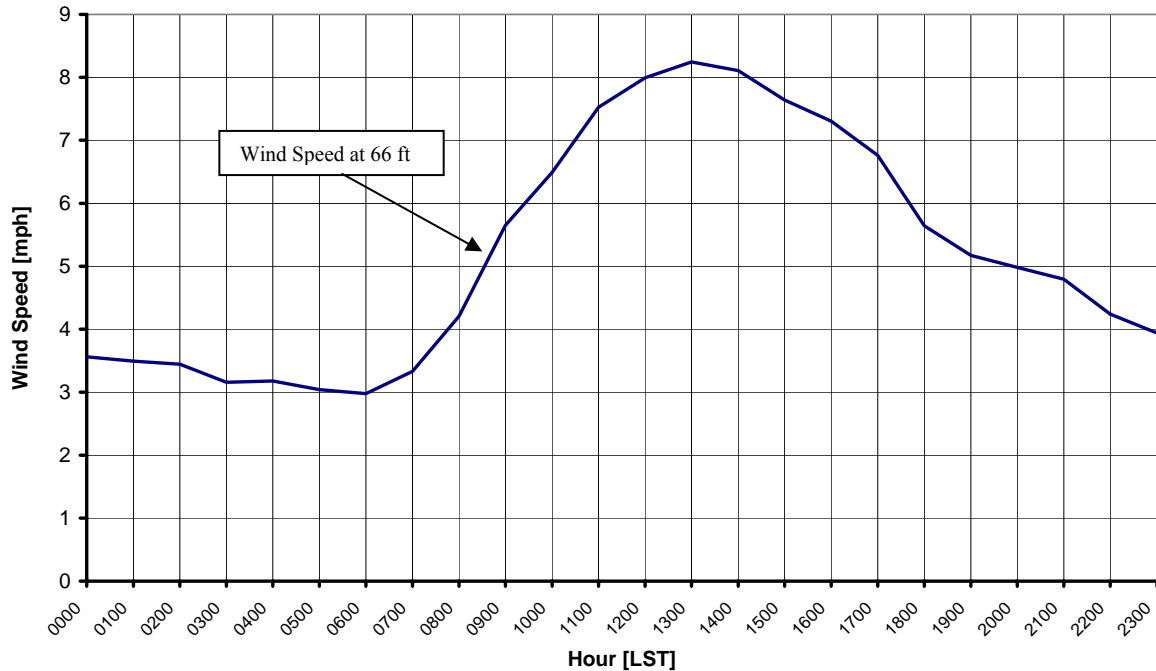
^b Above ground level.

^c Air temperature was not factored into calculation.

Average Hourly Wind Speeds

66 ft AGL		
LST ^d	mph	m/s
0000	3.6	1.59
0100	3.5	1.56
0200	3.4	1.54
0300	3.2	1.41
0400	3.2	1.42
0500	3.0	1.36
0600	3.0	1.33
0700	3.3	1.49
0800	4.2	1.88
0900	5.6	2.53
1000	6.5	2.90
1100	7.5	3.36
1200	8.0	3.57
1300	8.2	3.69
1400	8.1	3.62
1500	7.6	3.42
1600	7.3	3.27
1700	6.8	3.02
1800	5.6	2.52
1900	5.2	2.31
2000	5.0	2.23
2100	4.8	2.14
2200	4.2	1.90
2300	3.9	1.76

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8/5/2004 – 7/26/2005**



^d Local standard time.



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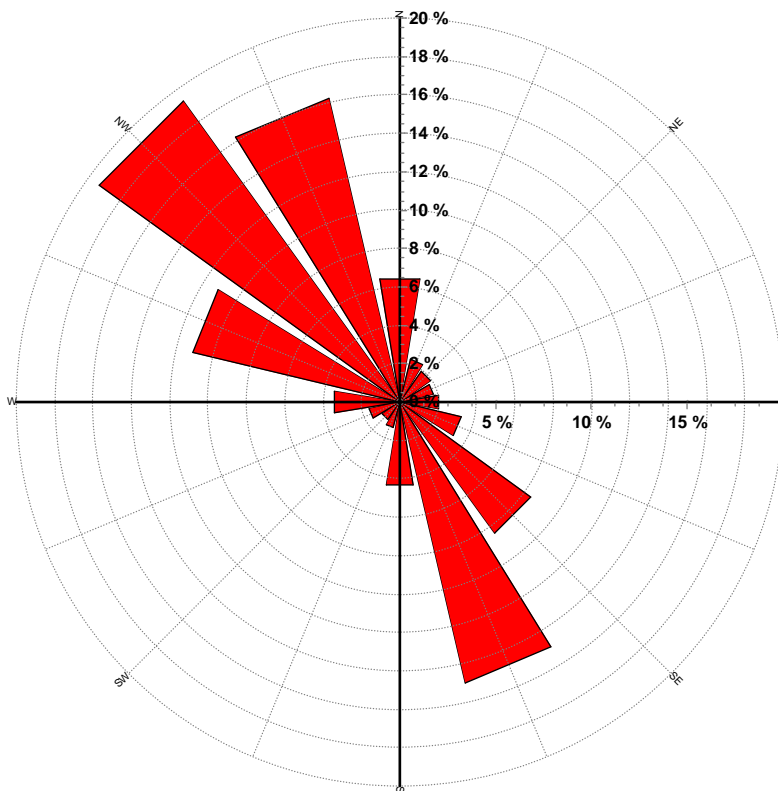
Creation Date: 8/9/2005

Wind Directional Frequency

Winds from the... Frequency (%)

NNW	16.3
NW	19.3
WNW	11.1
W	3.5
WSW	1.6
SW	1.1
SSW	1.4
S	4.4
SSE	15.0
SE	8.4
ESE	3.3
E	2.1
ENE	1.8
NE	2.0
NNE	2.3
N	6.5

Colorado Anemometer Loan Program – Carbondale Site
Wind Rose for 66 ft AGL
8/5/2004 – 7/26/2005



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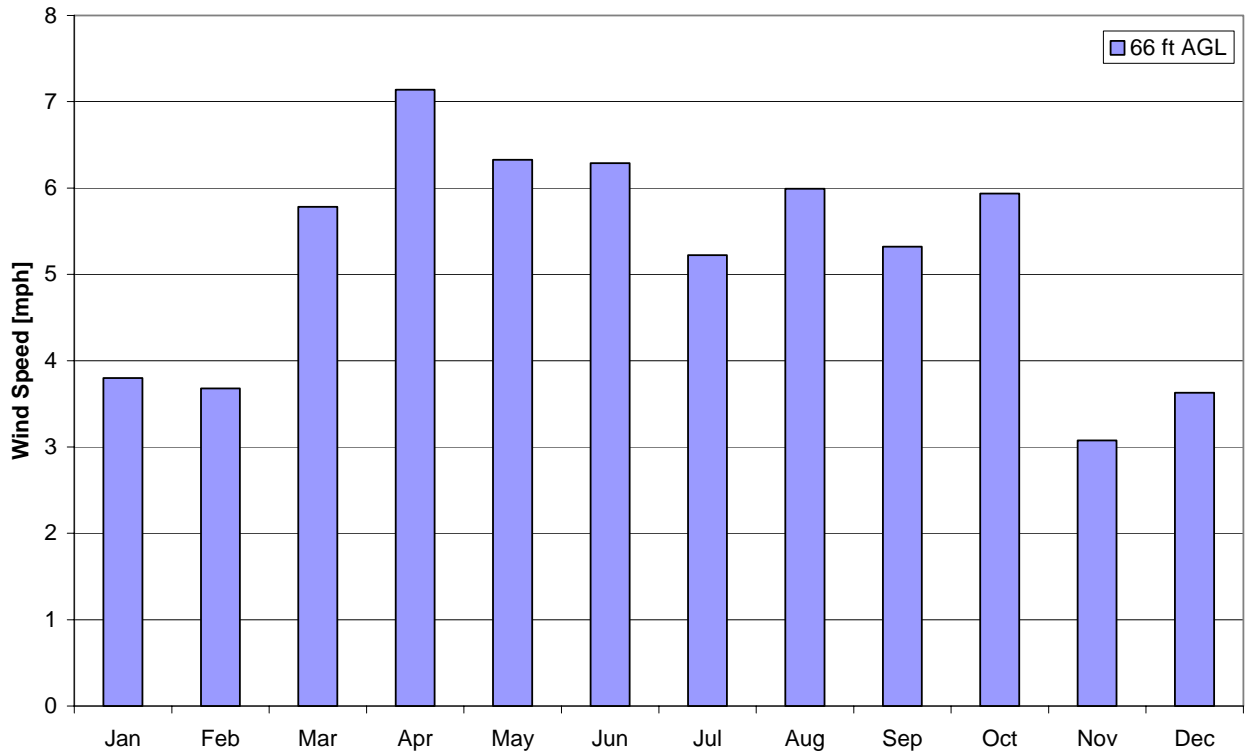
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Monthly Wind Speed Averages

66 ft AGL

Month	mph	m/s
Jan	3.8	1.70
Feb	3.7	1.64
Mar	5.8	2.59
Apr	7.1	3.19
May	6.3	2.83
Jun	6.3	2.81
Jul	5.2	2.34
Aug	6.0	2.68
Sep	5.3	2.38
Oct	5.9	2.65
Nov	3.1	1.37
Dec	3.6	1.62

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