

Wind Resource Summary for Montrose Site

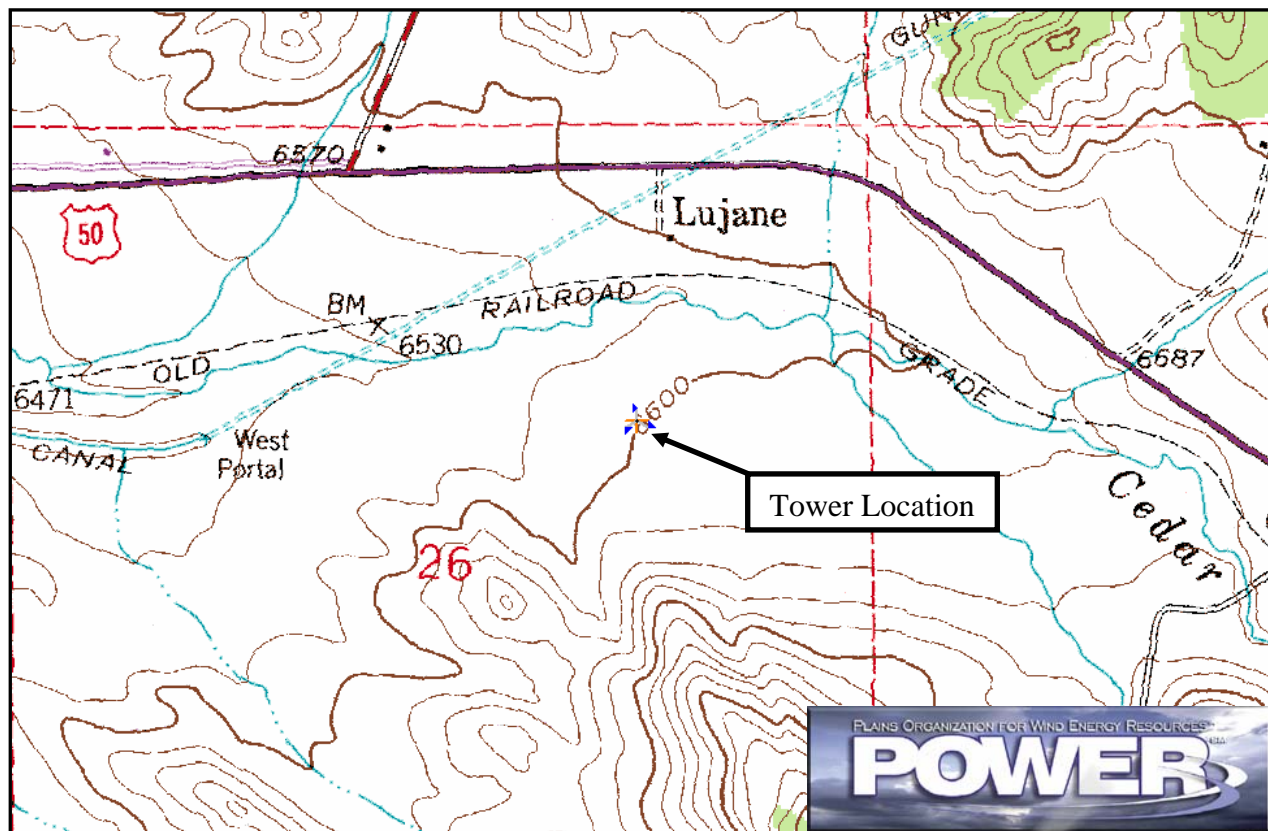
Colorado Anemometer Loan Program

Monitoring Period^a: 5/28/2003 – 7/27/2004

Site Description:

Latitude: N 38° 29' 3"	Township: 49 N
Longitude: W 107° 44' 4"	Range: 8 W
Elevation: 6600 feet	Section: 26
Tower Type: NRG Tilt-Up	Tower Height: 66 feet

The site is 7.4 miles east of the town of Montrose, Colorado and 0.3 miles south of U.S. Highway 50. The tower is located between two ridge lines in a small arid valley. The vegetation around the area is predominately short brush and grass. The site has good exposure to winds from the southeast and west. The ridges to the northeast and southwest will affect the wind from these directions.



Summary Wind Data:	66-ft AGL ^b
Mean Wind Speed	13.7 mph
Maximum, 10-min Mean Wind Speed	42.6 mph – 1/11/2004 7:20 a.m.
Estimated Wind Power Class ^c	Class 3 (260 W/m ²)

^a Data recovery rate for the period, 5/28/2003 to 7/27/2004, was 99.3%.

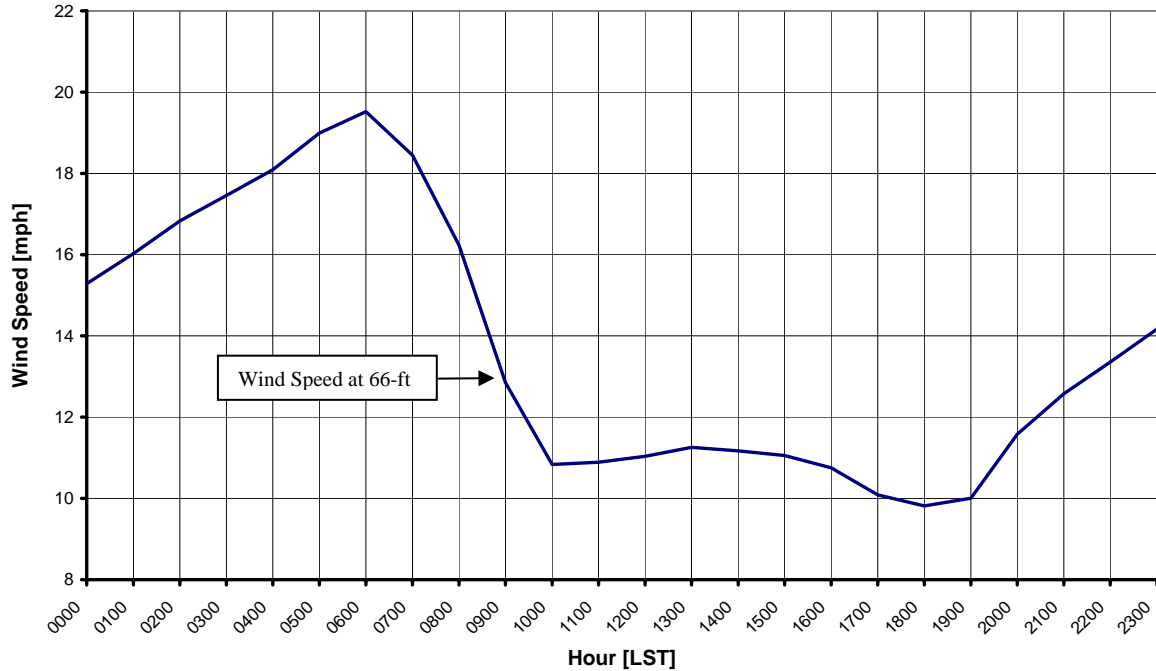
^b Above ground level.

^c Air temperature was not used in the calculation.

Average Hourly Wind Speeds

	66-ft AGL	
LST ^d	mph	m/s
0000	15.3	6.83
0100	16.0	7.16
0200	16.8	7.52
0300	17.5	7.80
0400	18.1	8.09
0500	19.0	8.49
0600	19.5	8.73
0700	18.4	8.25
0800	16.2	7.26
0900	12.9	5.75
1000	10.8	4.84
1100	10.9	4.87
1200	11.0	4.93
1300	11.3	5.03
1400	11.2	4.99
1500	11.1	4.94
1600	10.8	4.81
1700	10.1	4.51
1800	9.8	4.39
1900	10.0	4.47
2000	11.6	5.18
2100	12.6	5.62
2200	13.4	5.97
2300	14.2	6.33

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5/28/2003 – 7/27/2004



^dLocal Standard Time



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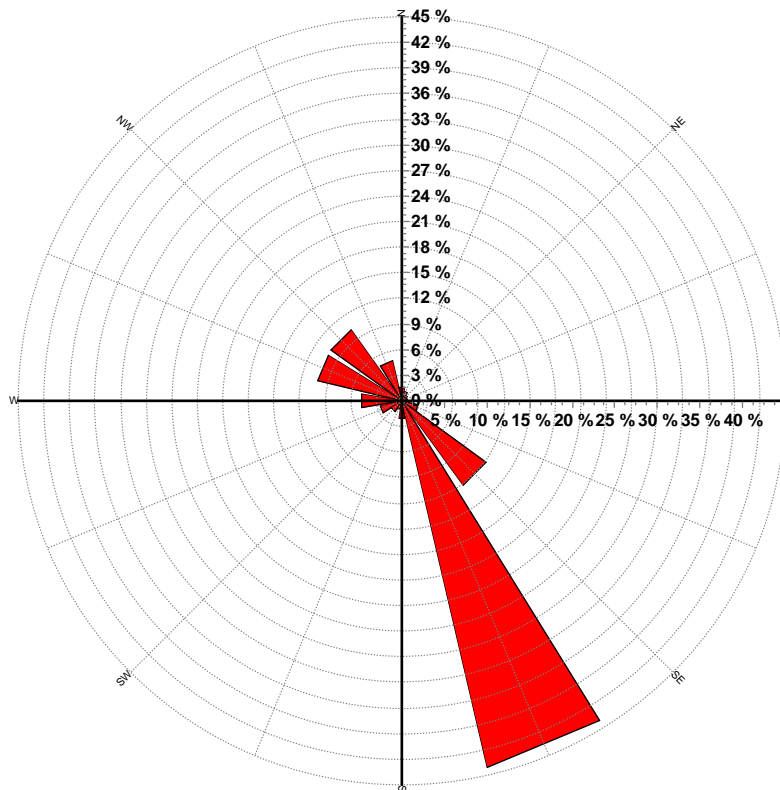
Creation Date: 9/3/2004

Wind Directional Frequency

Winds from the... Frequency (%)

NNW	4.9
NW	10.3
WNW	10.1
W	4.7
WSW	2.6
SW	1.5
SSW	1.0
S	2.0
SSE	44.0
SE	12.2
ESE	2.0
E	0.7
ENE	0.6
NE	0.7
NNE	1.1
N	1.6

Colorado Anemometer Loan Program - Montrose Site
Wind Rose for 66-ft AGL
5/28/2003 - 7/27/2004



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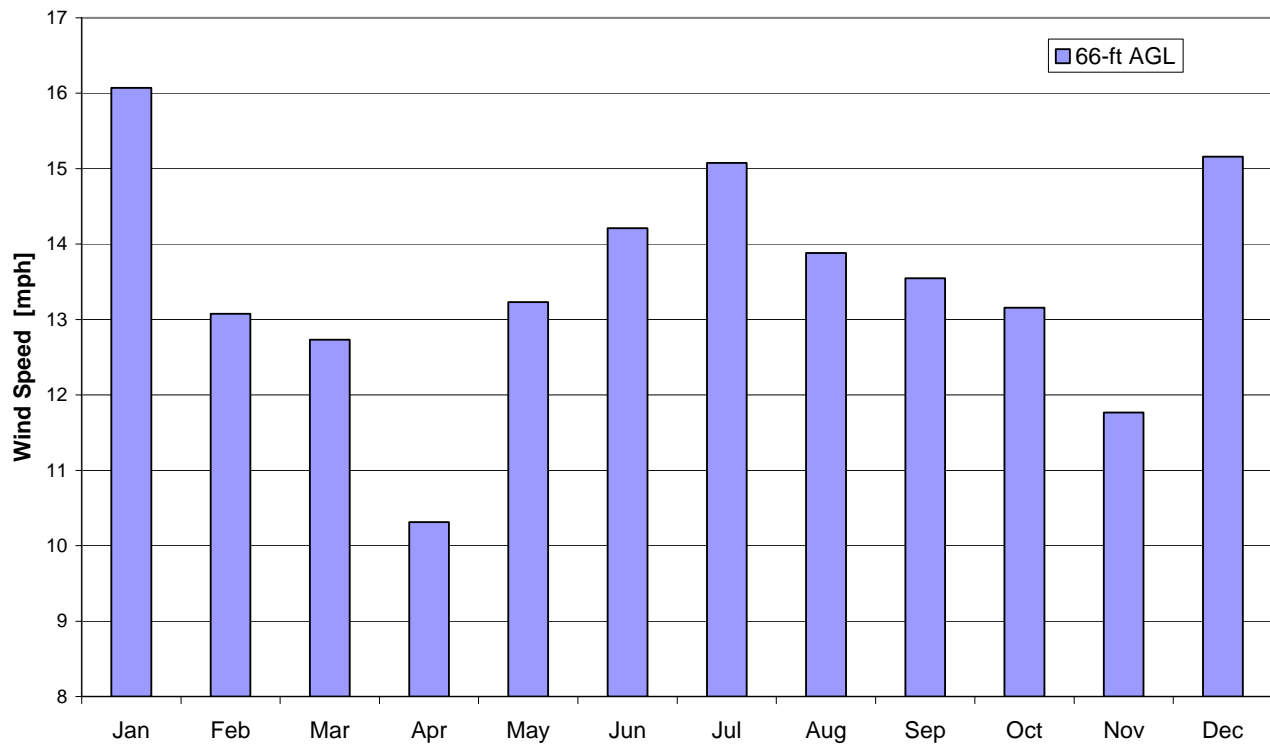
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Monthly Wind Speed Averages

66-ft AGL

Month	mph	m/s
Jan	16.1	7.19
Feb	13.1	5.85
Mar	12.7	5.69
Apr	10.3	4.61
May	13.2	5.91
Jun	14.2	6.35
Jul	15.1	6.74
Aug	13.9	6.21
Sep	13.5	6.06
Oct	13.2	5.88
Nov	11.8	5.26
Dec	15.2	6.78

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