

Wind Resource Summary for Lamar Site

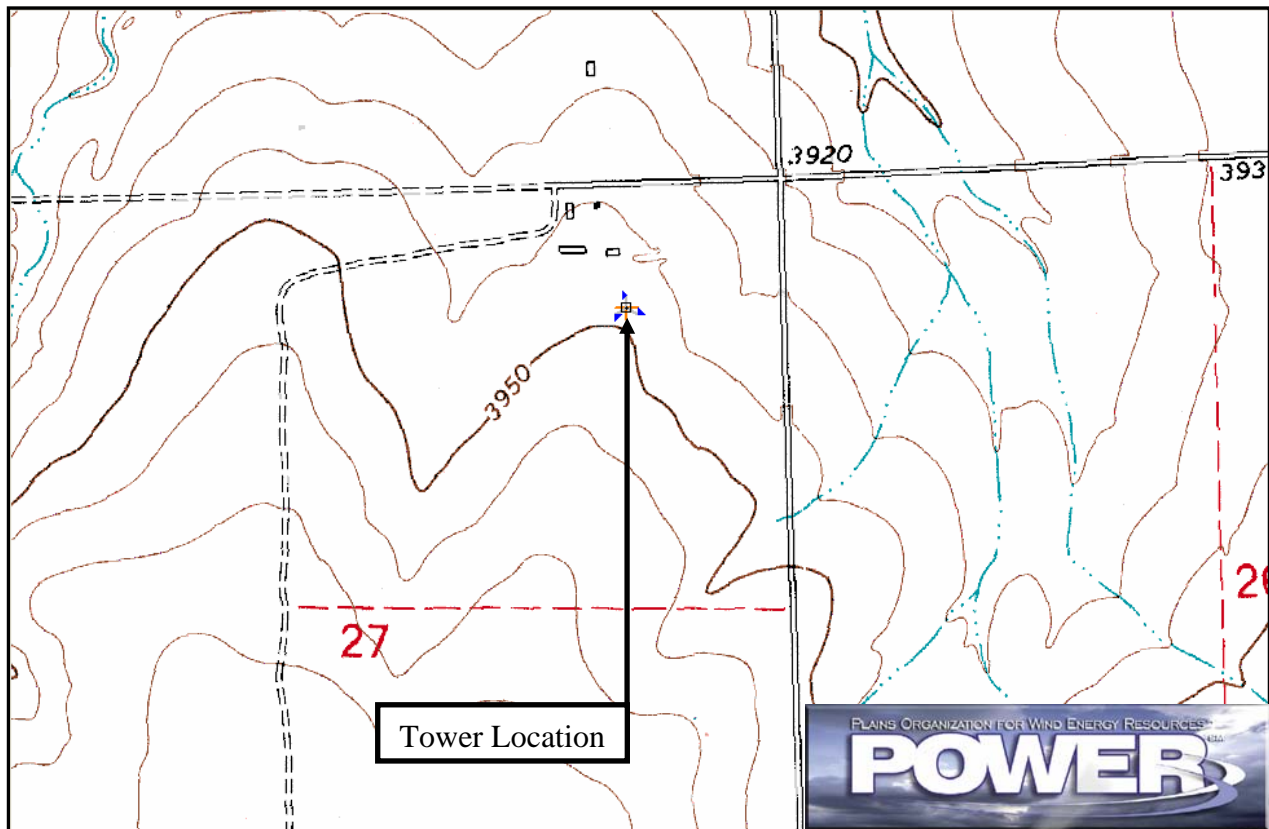
Colorado Anemometer Loan Program

Monitoring Period^a: 6/2/2003 – 7/16/2004

Site Description:

Latitude: N 37° 56' 16"	Township: 24 S
Longitude: W 102° 40' 15"	Range: 47 W
Elevation: 3,945 feet	Section: 27
Tower Type: NRG Tilt-Up	Tower Height: 66 feet

The site is 3.3 miles south-southwest of the town of Lamar, Colorado. Wind exposure cannot be characterized at this time. However, according to the topography map below, the site is situated south of a rural residence. Buildings and trees at this residence may impact measurements of winds from the north and northwest.



Summary Wind Data:	66-ft AGL^b
Mean Wind Speed	13.7 mph
Maximum, 10-min Mean Wind Speed	54.8 mph – 6/8/2004 5:50 pm
Estimated Wind Power Class^c	Class 3 (233 W/m ²)

^a Data recovery rate was 99.7%.

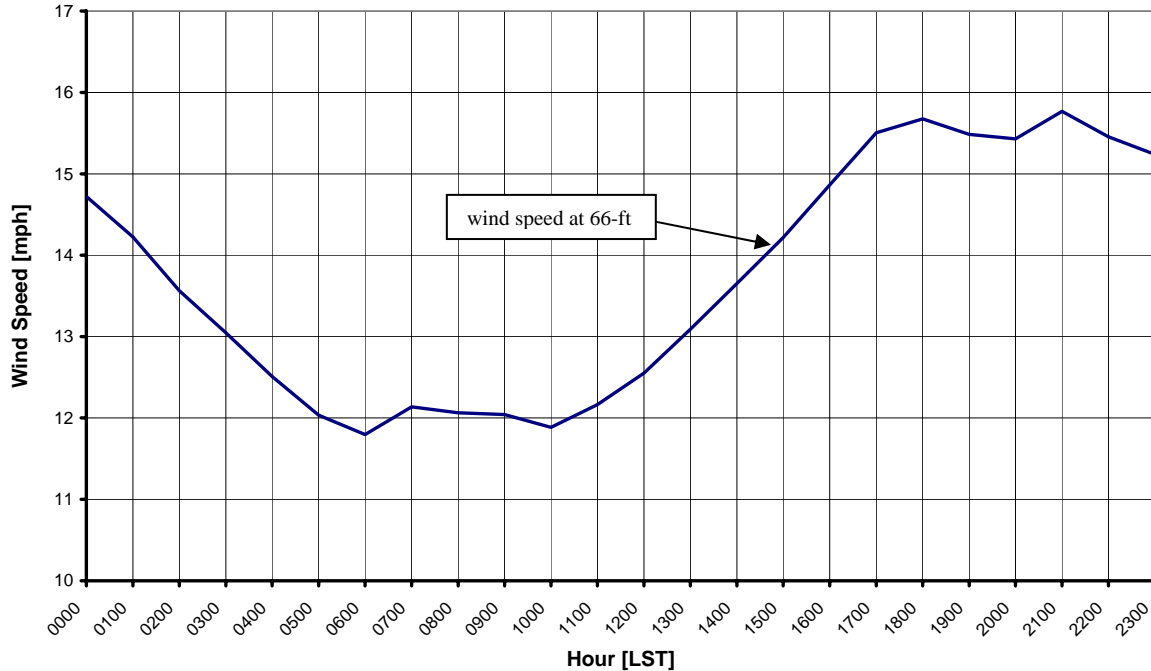
^b Above ground level.

^c Air temperature was not factored into calculation.

Average Hourly Wind Speeds

	66-ft AGL	
LST ^d	mph	m/s
0000	14.7	6.58
0100	14.2	6.36
0200	13.6	6.06
0300	13.0	5.83
0400	12.5	5.59
0500	12.0	5.38
0600	11.8	5.27
0700	12.1	5.43
0800	12.1	5.39
0900	12.0	5.38
1000	11.9	5.31
1100	12.2	5.44
1200	12.6	5.61
1300	13.1	5.85
1400	13.7	6.10
1500	14.2	6.36
1600	14.9	6.64
1700	15.5	6.93
1800	15.7	7.01
1900	15.5	6.92
2000	15.4	6.90
2100	15.8	7.05
2200	15.5	6.91
2300	15.2	6.81

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^d Local Standard Time



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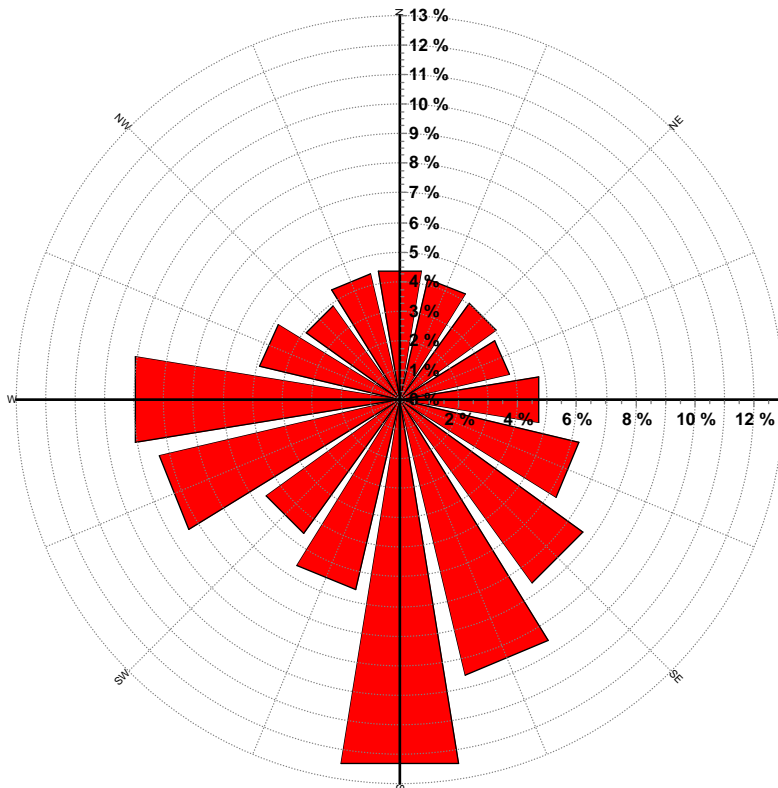
Creation Date: 8/31/2004

Wind Directional Frequency

Winds from the... Frequency (%)

NNW	4.4
NW	3.9
WNW	4.9
W	9.1
WSW	8.4
SW	5.6
SSW	6.6
S	12.5
SSE	9.6
SE	7.7
ESE	6.2
E	4.8
ENE	3.8
NE	4.0
NNE	4.2
N	4.4

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Wind Rose for 66-ft AGL
6/2/2003 - 7/16/2004



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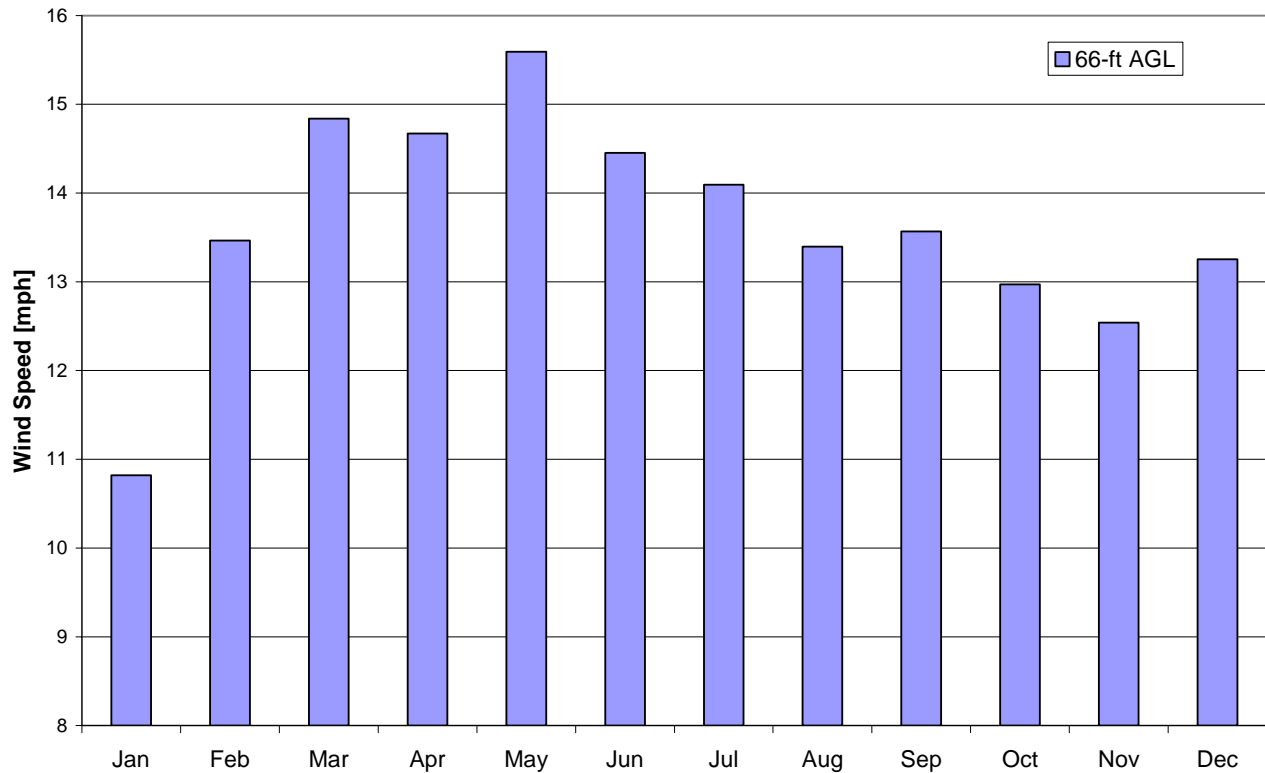
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Monthly Wind Speed Averages

66-ft AGL

Month	mph	m/s
Jan	10.8	4.84
Feb	13.5	6.02
Mar	14.8	6.63
Apr	14.7	6.56
May	15.6	6.97
Jun	14.5	6.46
Jul	14.1	6.30
Aug	13.4	5.99
Sep	13.6	6.07
Oct	13.0	5.80
Nov	12.5	5.61
Dec	13.3	5.92

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