

Wind Resource Summary for Sterling Site

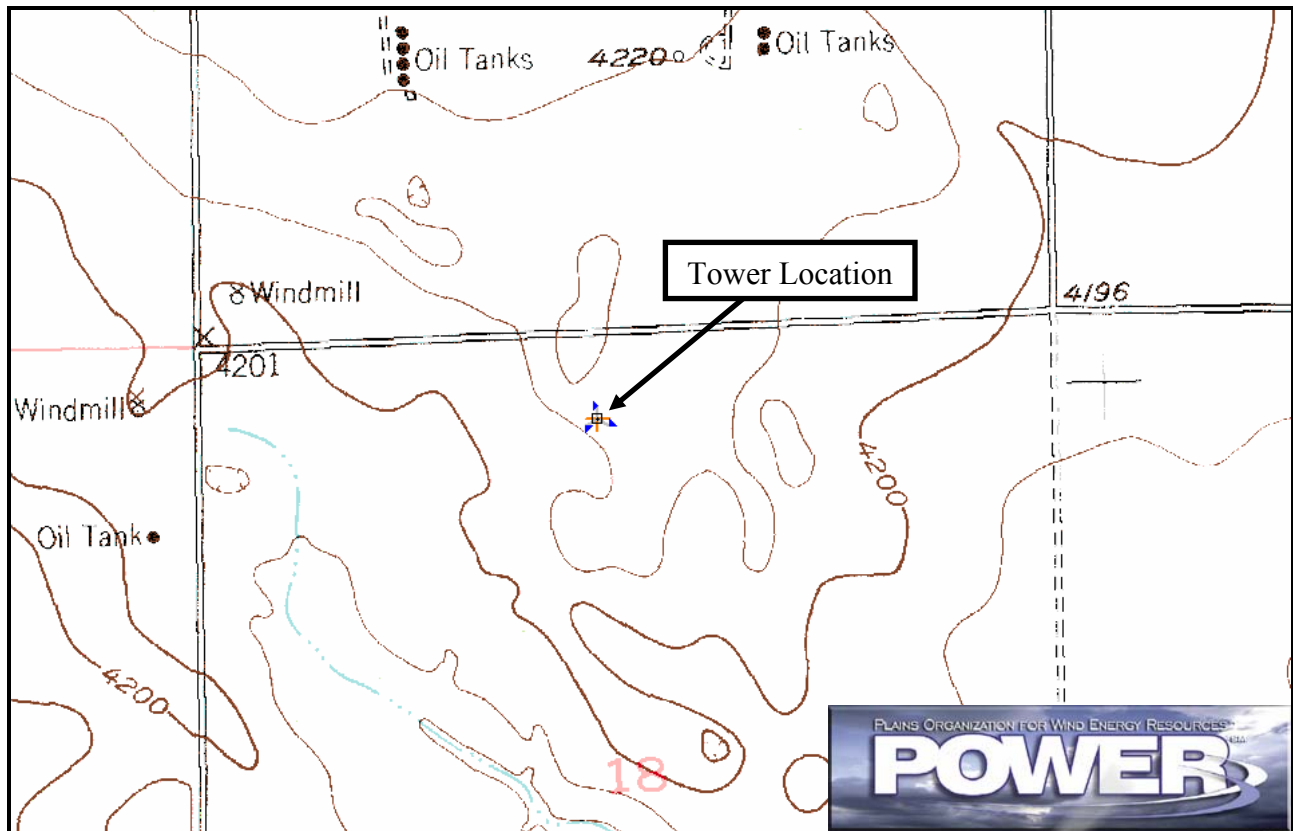
Colorado Anemometer Loan Program

Monitoring Period^a: 7/8/2005 – 10/15/2006

Site Description:

Latitude: N 40° 39' 58"	Township: 8 N
Longitude: W 103° 20' 41"	Range: 53 W
Elevation: 4220 feet	Section: 18
Tower Type: NRG Tilt-Up	Tower Height: 66 feet

The site is 7.5 miles northwest of the town of Sterling, Colorado. The tower is located in a pasture on the northwest side of a farmstead. Other than a slight rise in terrain to the north of site, the landscape is fairly flat. The farmstead may impact winds from the southeast. Otherwise, the tower has good exposure to the wind.



Summary Wind Data	66 ft AGL ^b
Mean Wind Speed	11.8 mph
Maximum, 10-min Mean Wind Speed	57.2 mph – 11/28/2005 10:40 a.m.
Estimated Wind Power Class ^c	Class 2 (201 W/m ²)

^a Data recovery rate was 93%. Unrecoverable data gap exists between 6/19/06 and 7/18/06.

^b Above ground level.

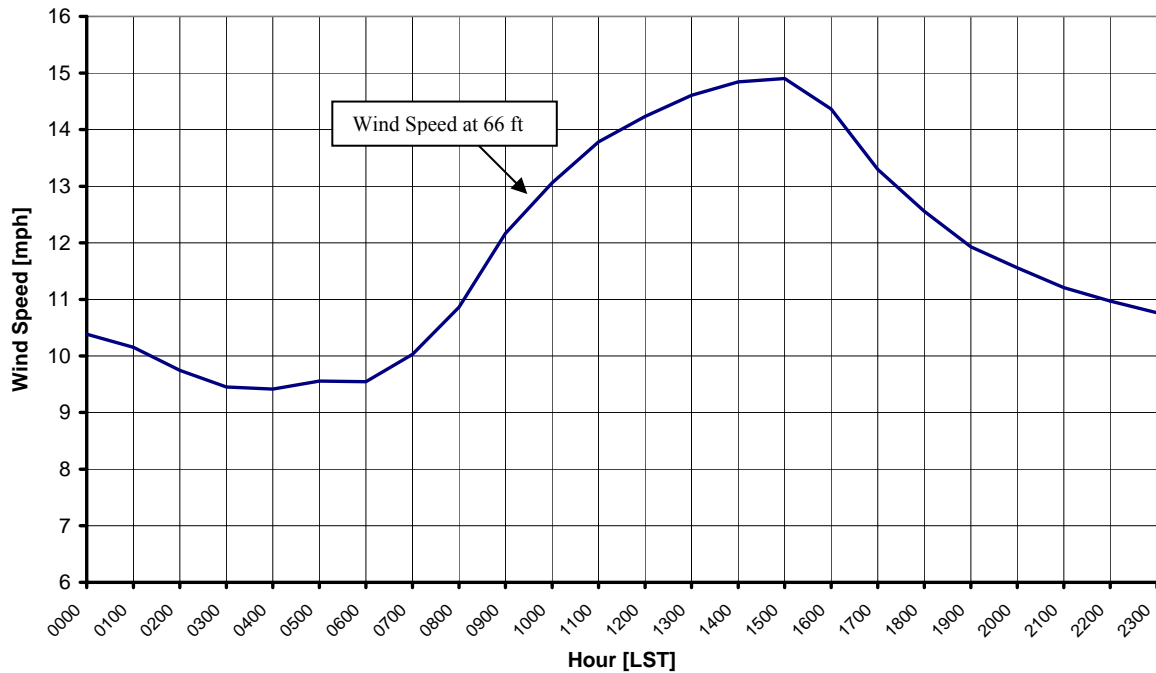
^c Air temperature was not factored into calculation.

Average Hourly Wind Speeds

66 ft AGL

LST ^d	mph	m/s
0000	10.4	4.64
0100	10.2	4.54
0200	9.7	4.36
0300	9.5	4.23
0400	9.4	4.21
0500	9.6	4.27
0600	9.5	4.27
0700	10.0	4.48
0800	10.9	4.86
0900	12.2	5.44
1000	13.1	5.84
1100	13.8	6.16
1200	14.2	6.36
1300	14.6	6.53
1400	14.8	6.64
1500	14.9	6.66
1600	14.4	6.42
1700	13.3	5.95
1800	12.6	5.61
1900	11.9	5.33
2000	11.6	5.17
2100	11.2	5.01
2200	11.0	4.90
2300	10.8	4.81

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^d Local standard time.



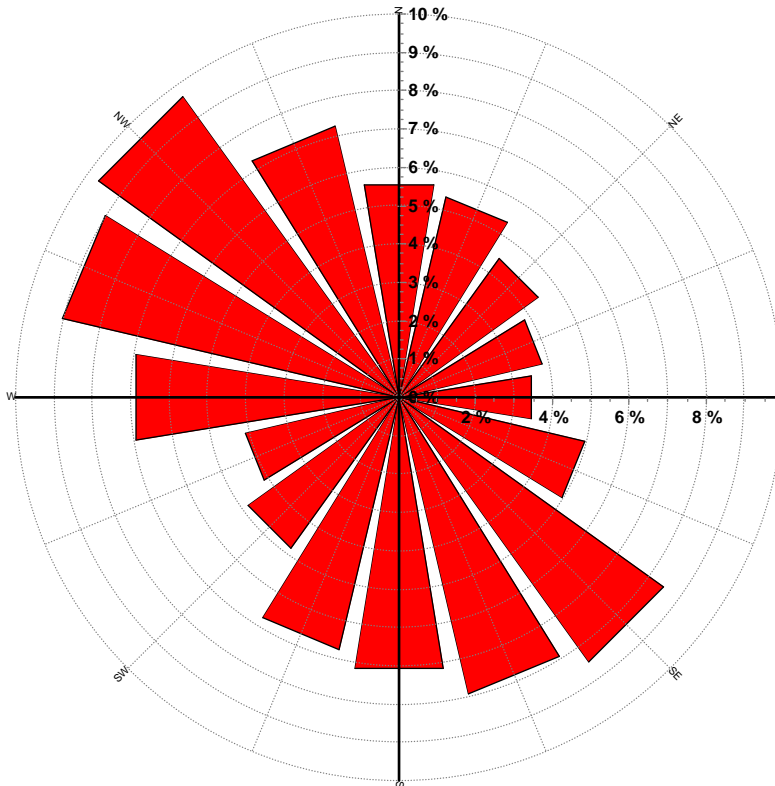
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Creation Date: 10/30/2006

Wind Directional Frequency

Winds from the...	Frequency (%)
NNW	7.3
NW	9.7
WNW	9.0
W	6.9
WSW	4.1
SW	4.8
SSW	6.8
S	7.2
SSE	7.9
SE	8.5
ESE	5.0
E	3.5
ENE	3.8
NE	4.4
NNE	5.4
N	5.6

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 Wind Rose for 66 ft AGL
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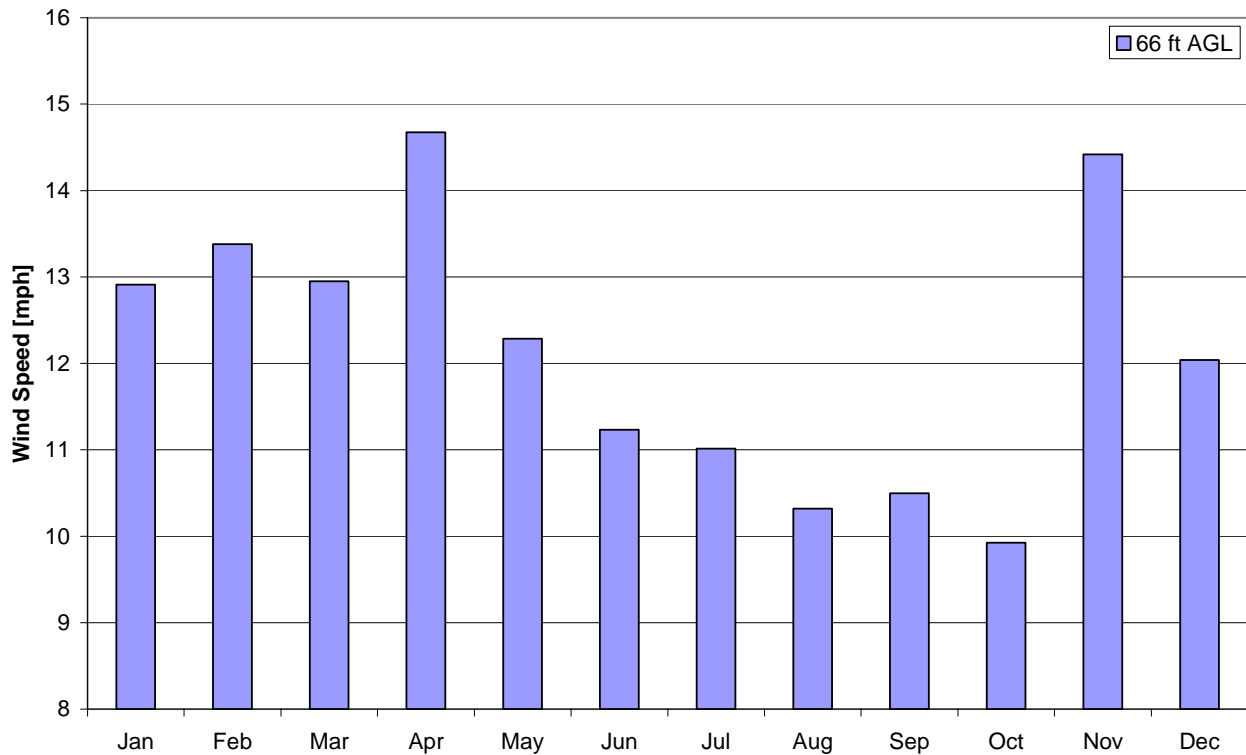
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Monthly Wind Speed Averages

66 ft AGL

Month	mph	m/s
Jan	12.9	5.77
Feb	13.4	5.98
Mar	13.0	5.79
Apr	14.7	6.56
May	12.3	5.49
Jun	11.2	5.02
Jul	11.0	4.92
Aug	10.3	4.61
Sep	10.5	4.69
Oct	9.9	4.44
Nov	14.4	6.45
Dec	12.0	5.38

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