

Wind Resource Summary for Eads Site

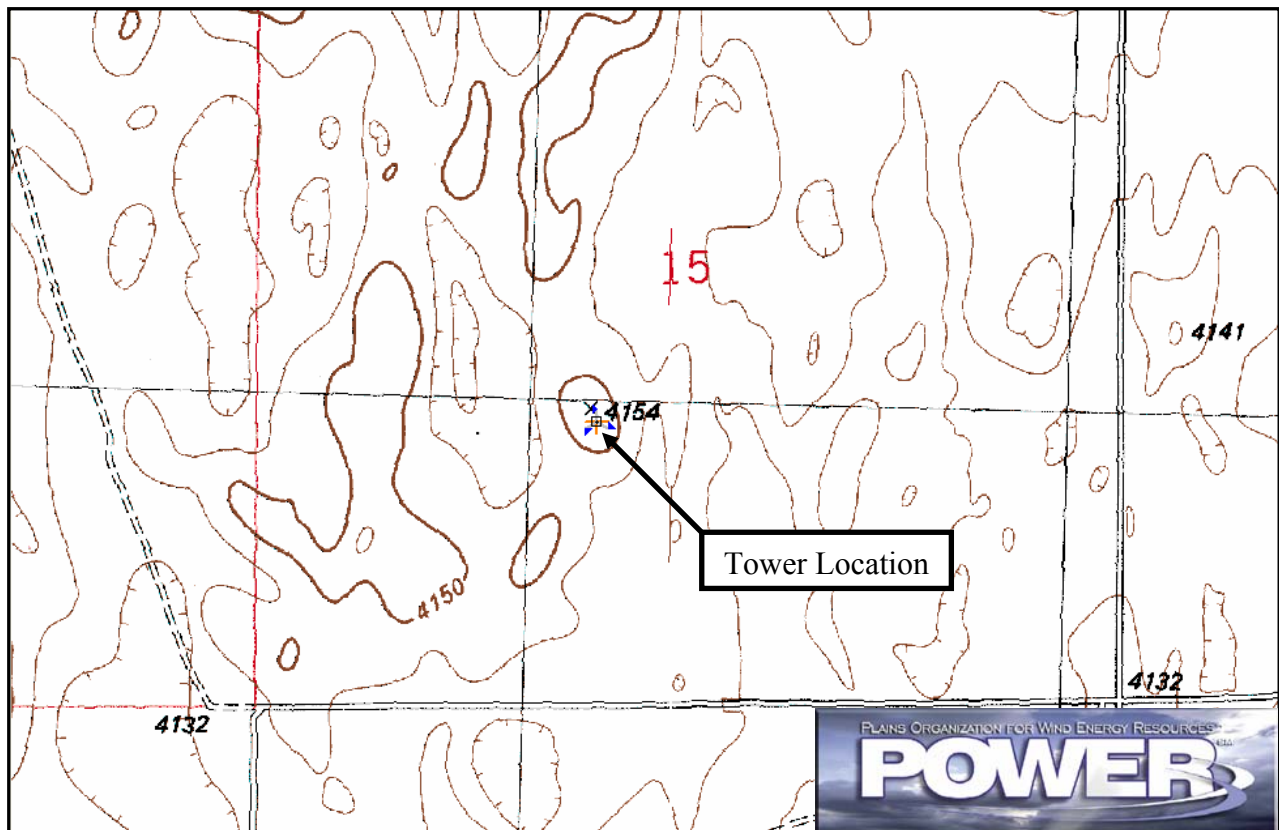
Colorado Anemometer Loan Program

Monitoring Period^a: 8/3/2004 – 11/13/2006

Site Description:

Latitude: N 38° 34' 29"	Township: 17 S
Longitude: W 102° 40' 7"	Range: 47 W
Elevation: 4154 feet	Section: 15
Tower Type: NRG Tilt-Up	Tower Height: 66 feet

The site is approximately 8.9 miles northeast of the town of Eads, Colorado. The tower is situated in the middle of pasture. The terrain is flat with no trees or obstructions to the wind. Hence, the site has good exposure to the wind in all directions.



Summary Wind Data:	66 ft AGL^b
Mean Wind Speed	13.1 mph
Maximum, 10-min Mean Wind Speed	54.9 mph – 4/15/2006 10:20 a.m.
Estimated Wind Power Class^c	Class 3 (215 W/m ²)

^a Data recovery rate was 90%. Note: large data gap exists from 12/2/2004 to 2/23/2005.

^b Above ground level.

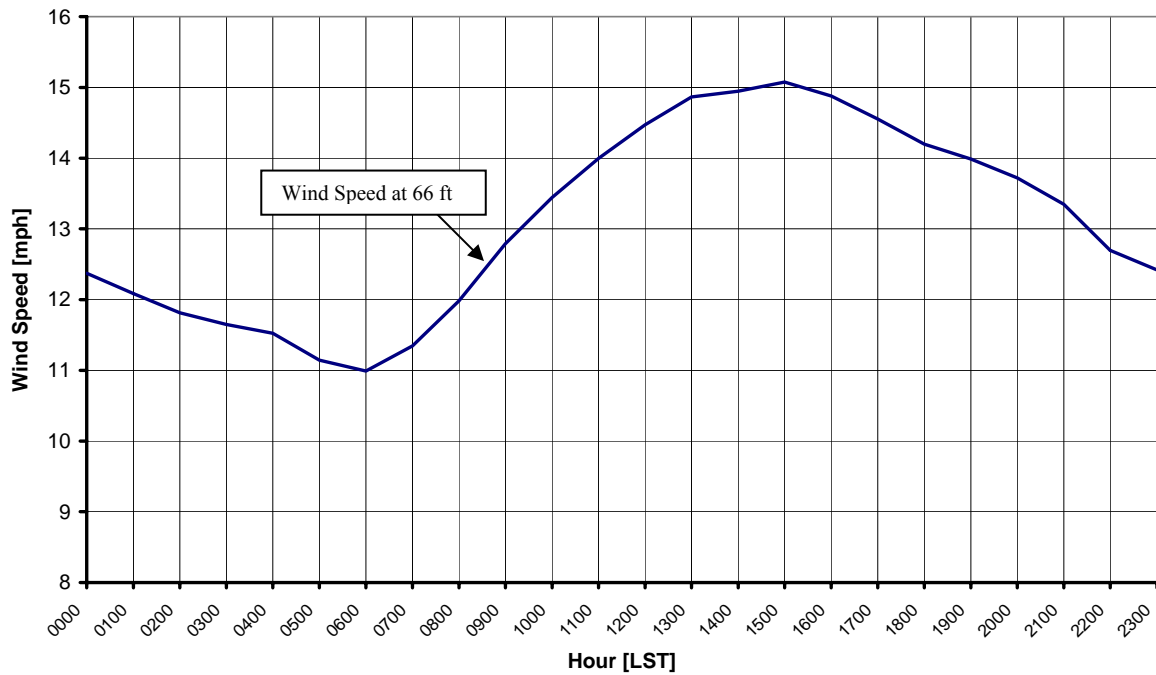
^c Air temperature was not factored into calculation.

Average Hourly Wind Speeds

66 ft AGL

LST ^d	mph	m/s
0000	12.4	5.53
0100	12.1	5.40
0200	11.8	5.28
0300	11.6	5.21
0400	11.5	5.15
0500	11.1	4.98
0600	11.0	4.91
0700	11.3	5.07
0800	12.0	5.36
0900	12.8	5.72
1000	13.4	6.01
1100	14.0	6.26
1200	14.5	6.47
1300	14.9	6.65
1400	14.9	6.68
1500	15.1	6.74
1600	14.9	6.65
1700	14.6	6.51
1800	14.2	6.35
1900	14.0	6.25
2000	13.7	6.13
2100	13.3	5.97
2200	12.7	5.68
2300	12.4	5.55

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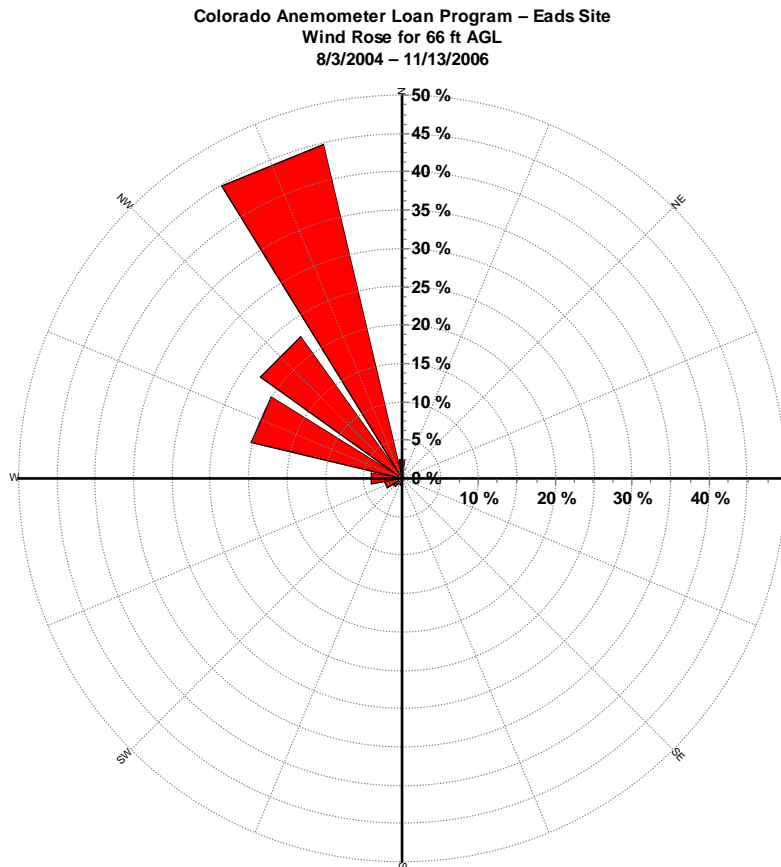
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Creation Date: 12/15/2006

Wind Directional Frequency*

Winds from the...	Frequency (%)
NNW	44.8
NW	22.7
WNW	20.2
W	4.1
WSW	2.3
SW	1.4
SSW	0.9
S	0.4
SSE	0.1
SE	0.0
ESE	0.0
E	0.0
ENE	0.0
NE	0.1
NNE	0.5
N	2.5

* Results are suspect. Wind direction data have not been validated.



^d Local standard time.



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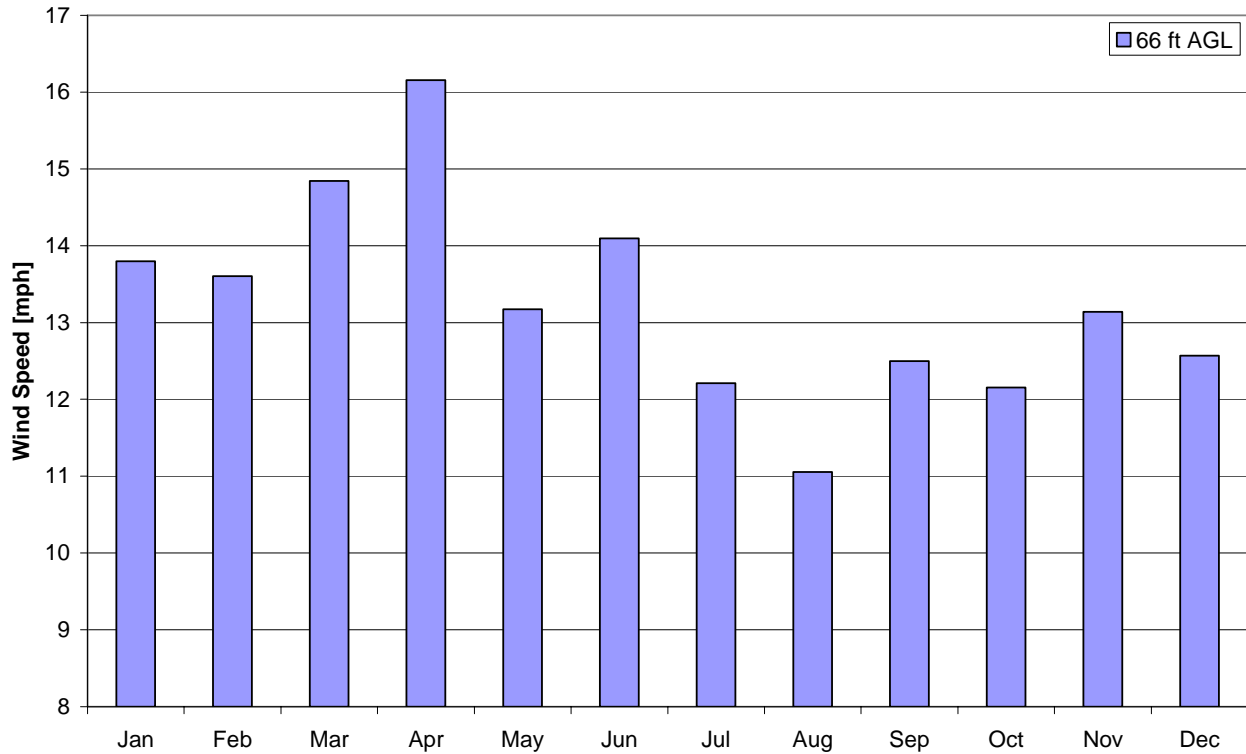
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Monthly Wind Speed Averages

66 ft AGL

Month	mph	m/s
Jan	13.8	6.17
Feb	13.6	6.08
Mar	14.8	6.64
Apr	16.2	7.22
May	13.2	5.89
Jun	14.1	6.30
Jul	12.2	5.46
Aug	11.1	4.94
Sep	12.5	5.59
Oct	12.2	5.43
Nov	13.1	5.87
Dec	12.6	5.62

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