

Wind Resource Summary for Edgeley Site

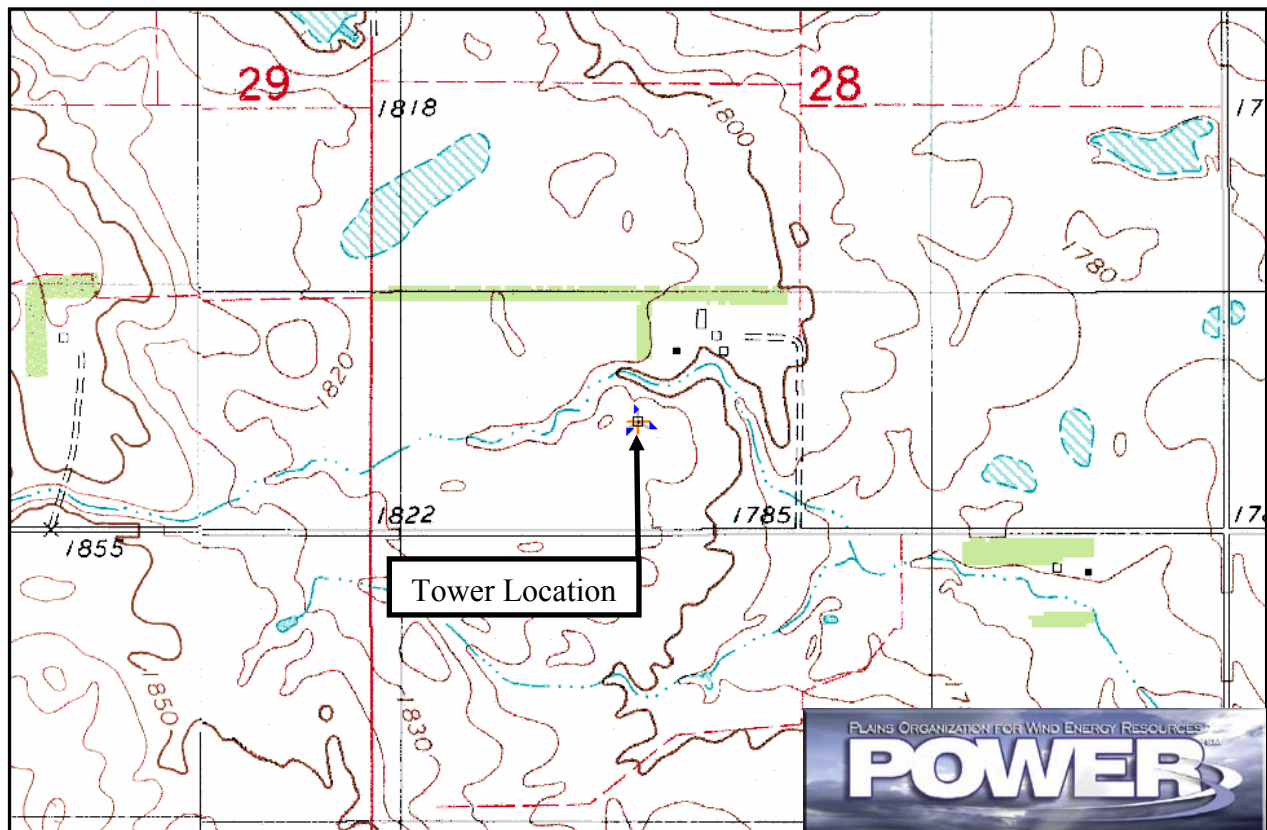
Coteau Hills Wind Development LLC

Monitoring Period:^a 7/13/2000 – 6/30/2005

Site Description:

Latitude: N 46° 23' 10"	Township: 134 N
Longitude: W 98° 51' 52"	Range: 65 W
Elevation: 1810 feet	Section: 28
Tower Type: 12-in. Lattice Tower	Tower Height: 180 feet

The monitoring site is 7.3 miles west-northwest of the town of Edgeley, North Dakota. The tower is instrumented at three levels: 33 ft (10 m), 138 ft (42 m), and 167 ft (51 m). A farmstead is located 740 ft to the northeast. A west-to-east windbreak located 850 ft to the north spans a distance of a half mile.



Summary Wind Data:	33 ft AGL ^b	138 ft AGL	167 ft AGL
Mean Wind Speed	13.2 mph	16.6 mph	17.5 mph
Maximum, 60-min Mean Wind Speed	54.8 mph at 167 ft AGL – 12/12/2004 6:00 a.m.		
Estimated Wind Power Class ^c	Class 4 (467 W/m ² at 167 ft AGL)		

^a Data recovery rates at 33, 138, and 167 feet were 92%, 93%, and 91%, respectively.

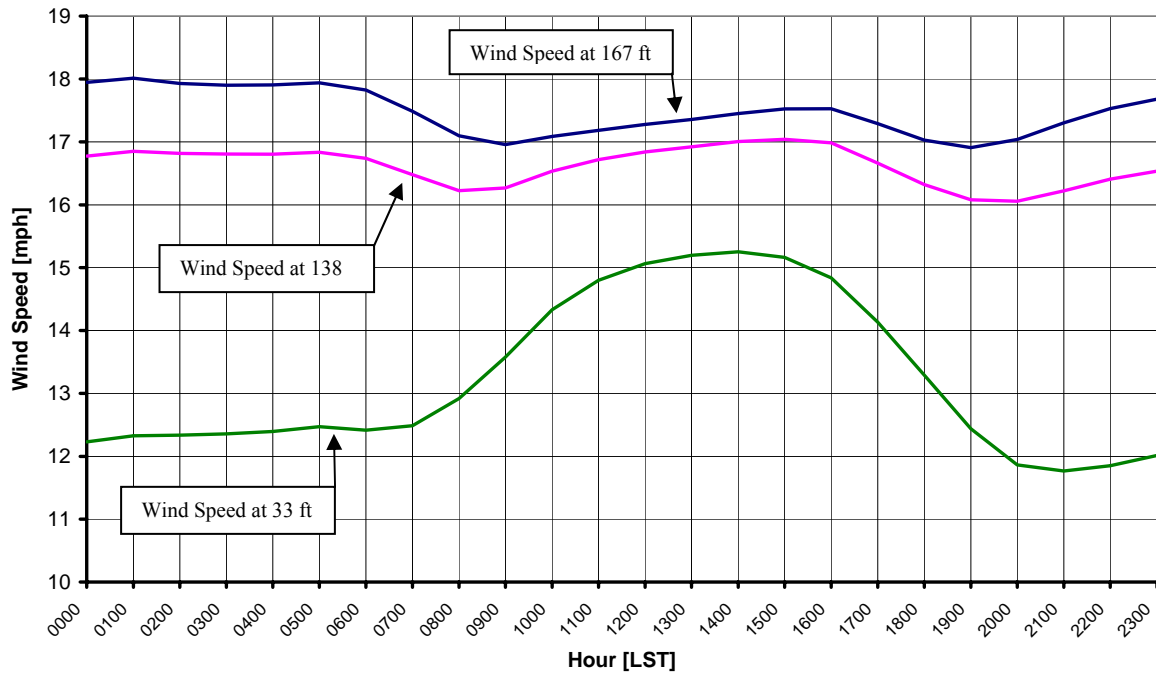
^b Above ground level.

^c Air temperature was not factored into calculations.

Average Hourly Wind Speeds

LST ^d	167 ft AGL		138 ft AGL		33 ft AGL	
	mph	m/s	mph	m/s	mph	m/s
0000	17.9	8.02	16.8	7.50	12.2	5.47
0100	18.0	8.05	16.9	7.53	12.3	5.51
0200	17.9	8.02	16.8	7.52	12.3	5.51
0300	17.9	8.00	16.8	7.51	12.4	5.52
0400	17.9	8.00	16.8	7.51	12.4	5.54
0500	17.9	8.02	16.8	7.53	12.5	5.58
0600	17.8	7.97	16.7	7.48	12.4	5.55
0700	17.5	7.82	16.5	7.37	12.5	5.58
0800	17.1	7.64	16.2	7.25	12.9	5.77
0900	17.0	7.58	16.3	7.27	13.6	6.07
1000	17.1	7.64	16.5	7.39	14.3	6.41
1100	17.2	7.68	16.7	7.47	14.8	6.62
1200	17.3	7.72	16.8	7.53	15.1	6.73
1300	17.4	7.76	16.9	7.57	15.2	6.79
1400	17.5	7.80	17.0	7.60	15.3	6.82
1500	17.5	7.83	17.0	7.62	15.2	6.78
1600	17.5	7.84	17.0	7.59	14.8	6.63
1700	17.3	7.73	16.7	7.45	14.1	6.32
1800	17.0	7.61	16.3	7.30	13.3	5.94
1900	16.9	7.56	16.1	7.19	12.4	5.56
2000	17.0	7.62	16.1	7.18	11.9	5.30
2100	17.3	7.74	16.2	7.25	11.8	5.26
2200	17.5	7.84	16.4	7.34	11.8	5.30
2300	17.7	7.90	16.5	7.39	12.0	5.37

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7/13/2000 – 6/30/2005



^d Local standard time.



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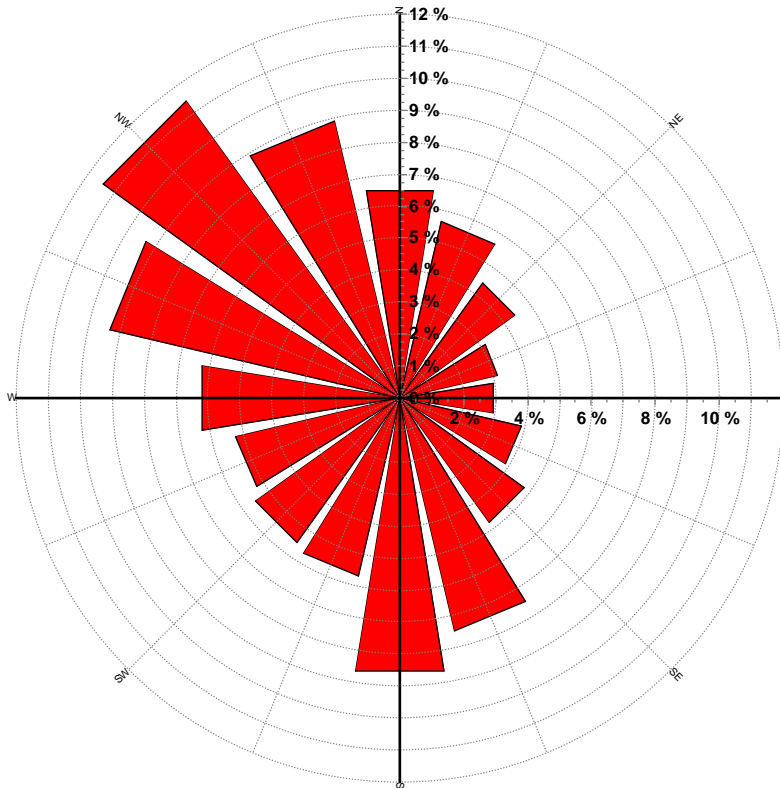
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Wind Directional Frequency

Winds from the... Frequency (%)

NNW	8.9
NW	11.4
WNW	9.3
W	6.3
WSW	5.3
SW	5.5
SSW	5.7
S	8.6
SSE	7.5
SE	4.8
ESE	3.9
E	2.9
ENE	3.1
NE	4.5
NNE	5.7
N	6.6

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Wind Rose for 167 ft AGL
7/13/2000 – 6/30/2005



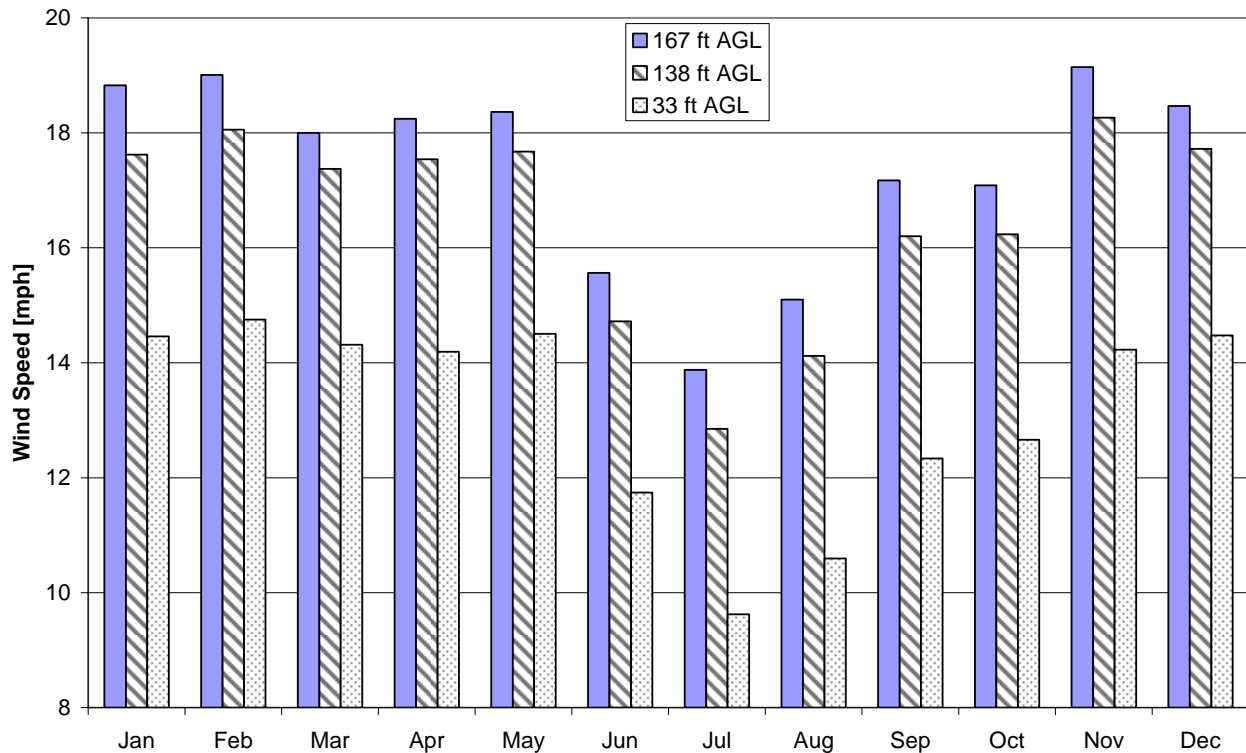
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Monthly Wind Speed Averages

Month	167 ft AGL		138 ft AGL		33 ft AGL	
	mph	m/s	mph	m/s	mph	m/s
Jan	18.8	8.42	17.6	7.88	14.5	6.46
Feb	19.0	8.50	18.1	8.07	14.8	6.60
Mar	18.0	8.05	17.4	7.77	14.3	6.40
Apr	18.2	8.16	17.5	7.84	14.2	6.34
May	18.4	8.21	17.7	7.90	14.5	6.48
Jun	15.6	6.96	14.7	6.58	11.7	5.25
Jul	13.9	6.20	12.9	5.75	9.6	4.30
Aug	15.1	6.75	14.1	6.31	10.6	4.74
Sep	17.2	7.68	16.2	7.24	12.3	5.51
Oct	17.1	7.64	16.2	7.26	12.7	5.66
Nov	19.1	8.56	18.3	8.17	14.2	6.36
Dec	18.5	8.26	17.7	7.92	14.5	6.47

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