

Wind Resource Summary for Dragswolf Site

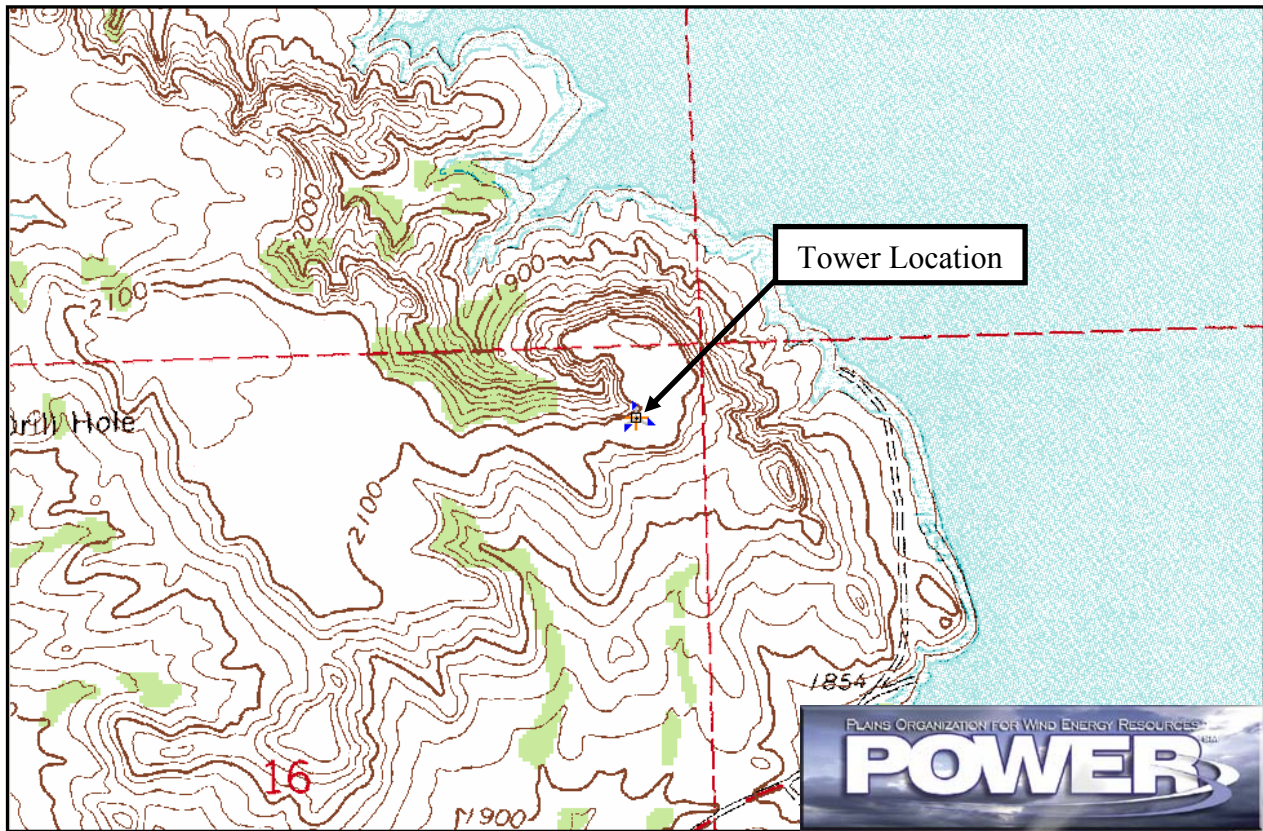
Three Affiliated Tribes

Winter^a 2000

Site Description:

Latitude: N 47° 59' 27"	Township: 152 N
Longitude: W 102° 34' 50"	Range: 93 W
Elevation: 2100 feet	Section: 8
Tower Type: NRG Tilt-Up	Tower Height: 131 feet

The monitoring site was installed 4.3 miles west-northwest of New Town, North Dakota. The tower was instrumented at three levels: 33 ft (10 m), 98 ft (30 m), and 131 ft (40 m). The site was situated on a bluff overlooking Lake Sakakawea to the north and west. The vegetation around the site is predominantly grass with trees in the draws.



Summary Wind Data:	33 ft AGL ^b	98 ft AGL	131 ft AGL
Mean Wind Speed	12.5 mph	14.2 mph	15.7 mph
Maximum, 60-min Mean Wind Speed	49.4 mph at 131 ft AGL – 1/4/2001 7:00 a.m.		
Estimated Wind Power Class ^c	Class 4 (445 W/m ² at 131 ft AGL)		

^a Winter is defined as the months of December, January, and February. Winter 2000 begins with December 2000.

Data recovery rates at 33, 98, and 131 feet were 100%, 99%, and 97%, respectively.

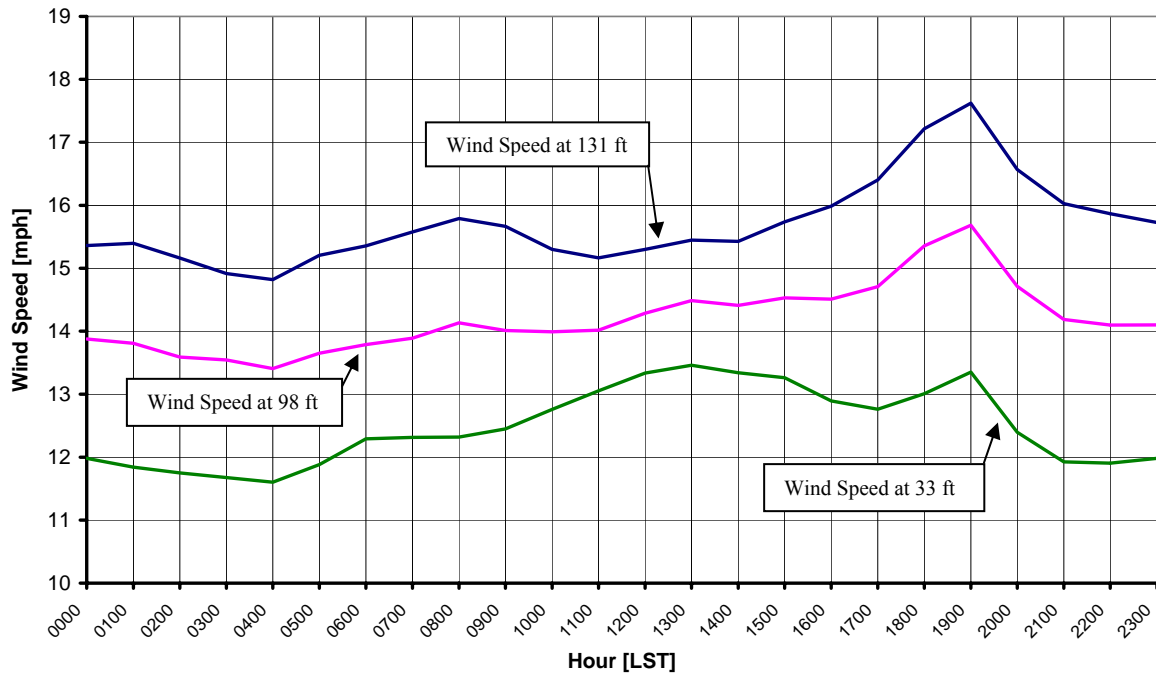
^b Above ground level.

^c Air temperature was not factored into calculations.

Average Hourly Wind Speeds

LST ^d	131 ft AGL		98 ft AGL		33 ft AGL	
	mph	m/s	mph	m/s	mph	m/s
0000	15.4	6.87	13.9	6.20	12.0	5.36
0100	15.4	6.88	13.8	6.17	11.8	5.29
0200	15.2	6.78	13.6	6.08	11.7	5.25
0300	14.9	6.67	13.5	6.06	11.7	5.22
0400	14.8	6.63	13.4	5.99	11.6	5.19
0500	15.2	6.80	13.7	6.10	11.9	5.31
0600	15.4	6.86	13.8	6.16	12.3	5.50
0700	15.6	6.96	13.9	6.21	12.3	5.50
0800	15.8	7.06	14.1	6.32	12.3	5.51
0900	15.7	7.00	14.0	6.26	12.4	5.56
1000	15.3	6.84	14.0	6.25	12.8	5.70
1100	15.2	6.78	14.0	6.27	13.1	5.84
1200	15.3	6.84	14.3	6.39	13.3	5.96
1300	15.4	6.90	14.5	6.48	13.5	6.02
1400	15.4	6.90	14.4	6.44	13.3	5.96
1500	15.7	7.03	14.5	6.50	13.3	5.93
1600	16.0	7.15	14.5	6.49	12.9	5.76
1700	16.4	7.33	14.7	6.57	12.8	5.71
1800	17.2	7.70	15.4	6.86	13.0	5.82
1900	17.6	7.88	15.7	7.01	13.4	5.97
2000	16.6	7.41	14.7	6.58	12.4	5.54
2100	16.0	7.16	14.2	6.34	11.9	5.33
2200	15.9	7.09	14.1	6.30	11.9	5.32
2300	15.7	7.03	14.1	6.30	12.0	5.36

**Three Affiliated Tribes – Dragswolf Site
Winter 2000**



^d Local standard time.



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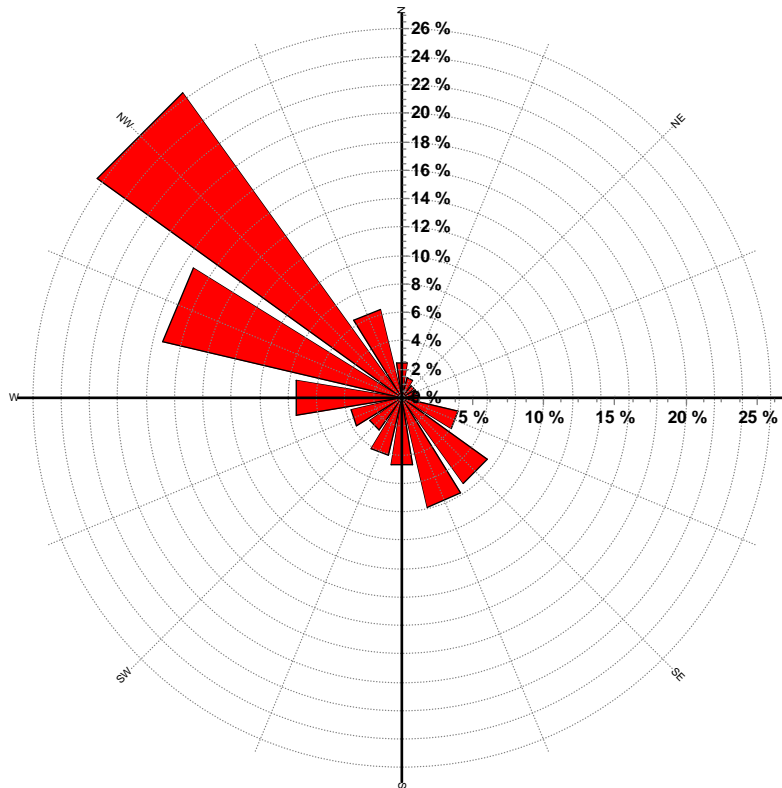
Creation Date: 4/6/2005

Wind Directional Frequency

Winds from the... Frequency (%)

NNW	6.4
NW	26.5
WNW	17.3
W	7.5
WSW	3.7
SW	2.8
SSW	4.2
S	4.8
SSE	7.9
SE	7.5
ESE	4.1
E	1.3
ENE	1.1
NE	1.0
NNE	1.5
N	2.5

**Three Affiliated Tribes – Dragswolf Site
Wind Rose for 131 ft AGL
Winter 2000**

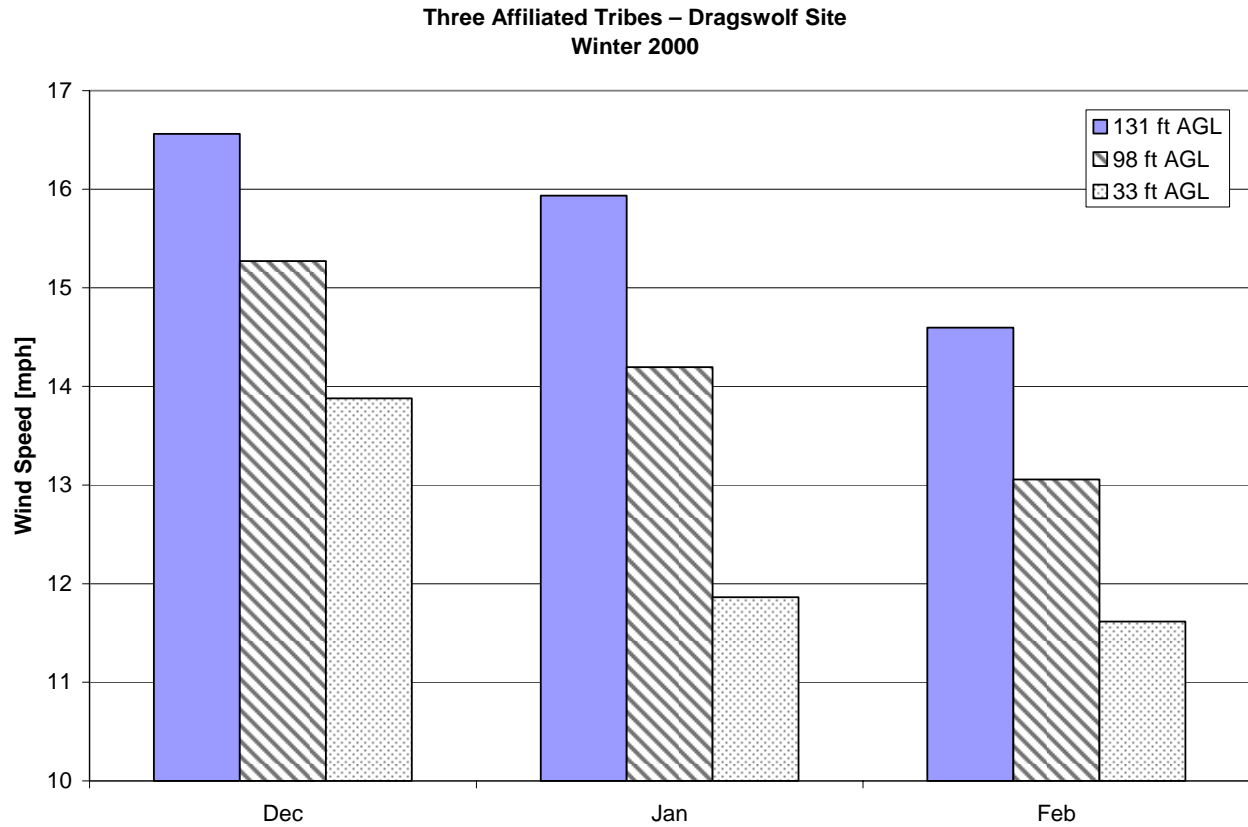


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Monthly Wind Speed Averages

Month	131 ft AGL		98 ft AGL		33 ft AGL	
	mph	m/s	mph	m/s	mph	m/s
Dec	16.6	7.40	15.3	6.83	13.9	6.20
Jan	15.9	7.12	14.2	6.35	11.9	5.30
Feb	14.6	6.53	13.1	5.84	11.6	5.19



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