

Wind Resource Summary for Falcon Site

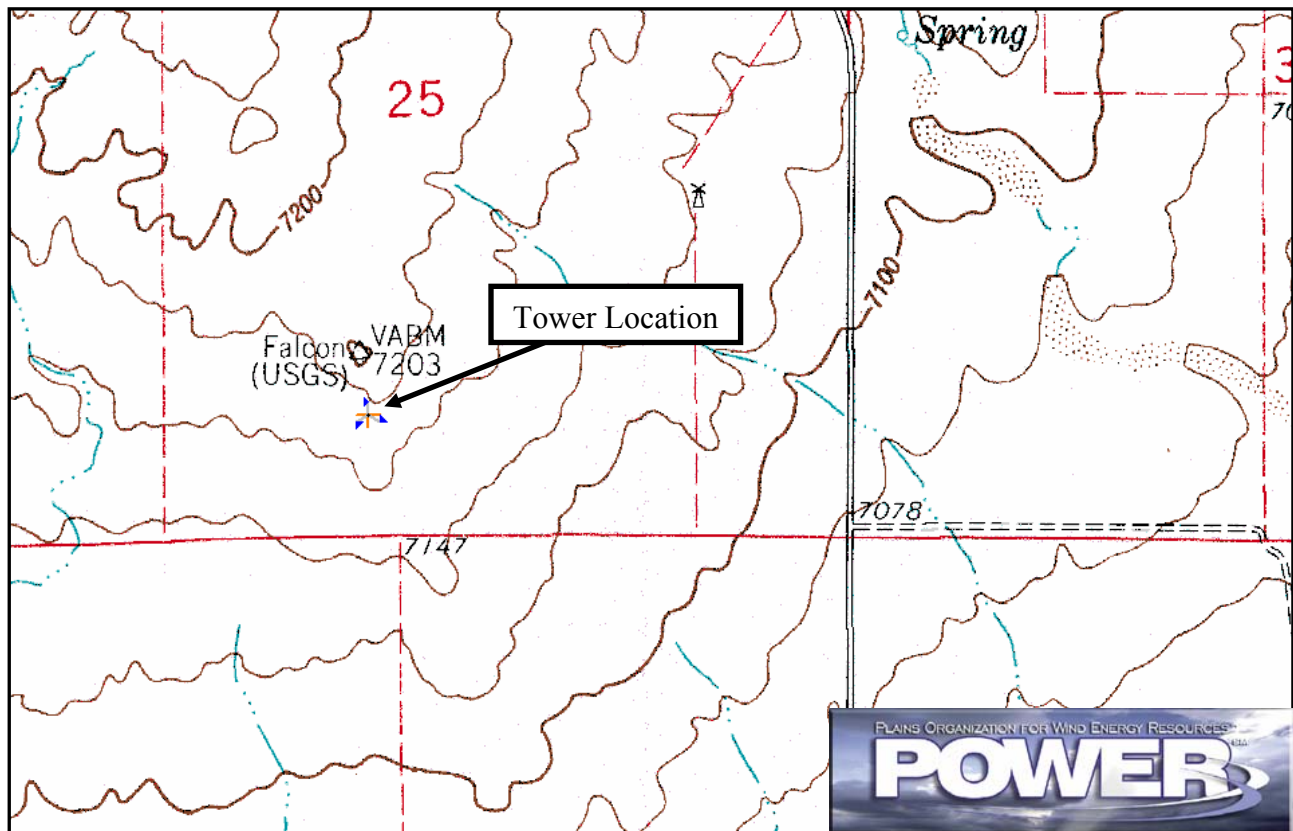
Colorado Anemometer Loan Program

Monitoring Period^a: 6/29/2005 – 6/26/2006

Site Description:

Latitude: N 38° 58' 18"	Township: 12 S
Longitude: W 104° 37' 4"	Range: 65 W
Elevation: 7197 feet	Section: 25
Tower Type: NRG Tilt-Up	Tower Height: 66 feet

The site is located in Falcon, Colorado proper. The tower is situated in an open area with a school to the northwest and residential areas to the northeast, east, and southeast. The terrain is flat with good exposure to south and southeast winds. Buildings around the tower will negatively impact the wind from the other directions.



Summary Wind Data	66 ft AGL ^b
Mean Wind Speed	11.7 mph
Maximum, 10-min Mean Wind Speed	48.8 mph – 2/5/2006 10:00 a.m.
Estimated Wind Power Class ^c	Class 2 (150 W/m ²)

^a Data recovery rate was 99%.

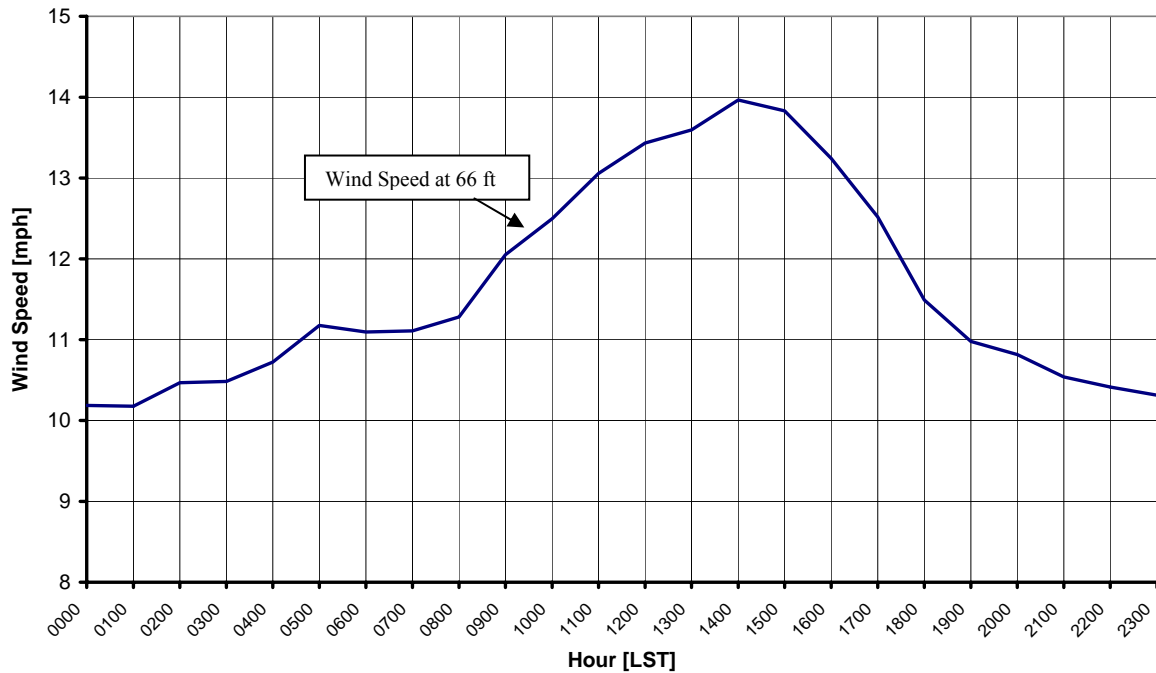
^b Above ground level.

^c Air temperature was not factored into calculation.

Average Hourly Wind Speeds

LST ^d	66 ft AGL	
	mph	m/s
0000	10.2	4.55
0100	10.2	4.55
0200	10.5	4.68
0300	10.5	4.69
0400	10.7	4.79
0500	11.2	5.00
0600	11.1	4.96
0700	11.1	4.97
0800	11.3	5.04
0900	12.1	5.39
1000	12.5	5.59
1100	13.1	5.84
1200	13.4	6.00
1300	13.6	6.08
1400	14.0	6.24
1500	13.8	6.18
1600	13.2	5.92
1700	12.5	5.60
1800	11.5	5.14
1900	11.0	4.91
2000	10.8	4.83
2100	10.5	4.71
2200	10.4	4.66
2300	10.3	4.61

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^d Local standard time.



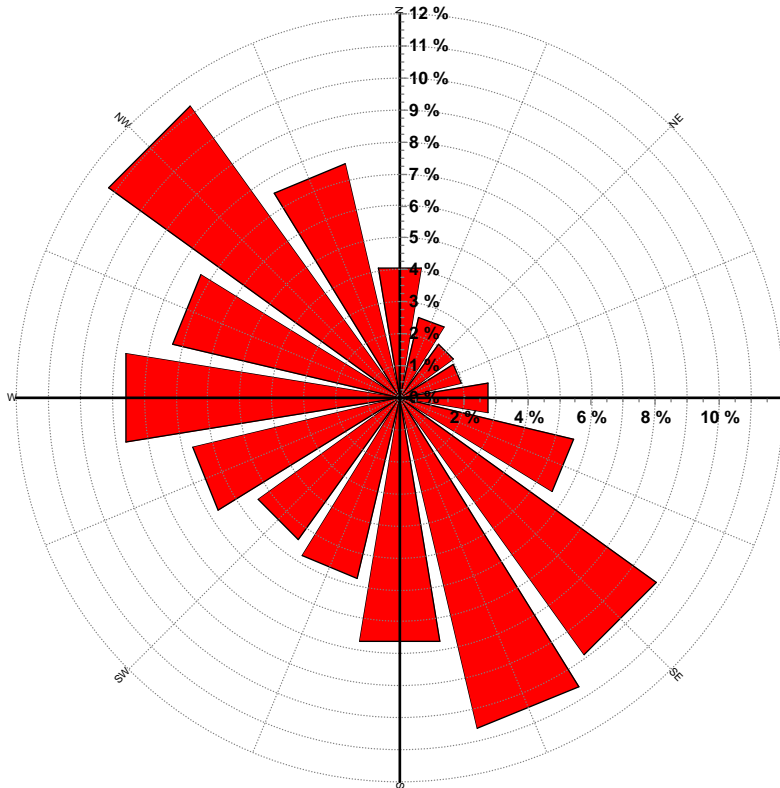
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Wind Directional Frequency

Winds from the... Frequency (%)

NNW	7.5
NW	11.2
WNW	7.3
W	8.7
WSW	6.7
SW	5.5
SSW	5.8
S	7.7
SSE	10.6
SE	9.9
ESE	5.6
E	2.8
ENE	2.0
NE	2.1
NNE	2.6
N	4.1

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Wind Rose for 66 ft AGL
6/29/2005 – 6/26/2006



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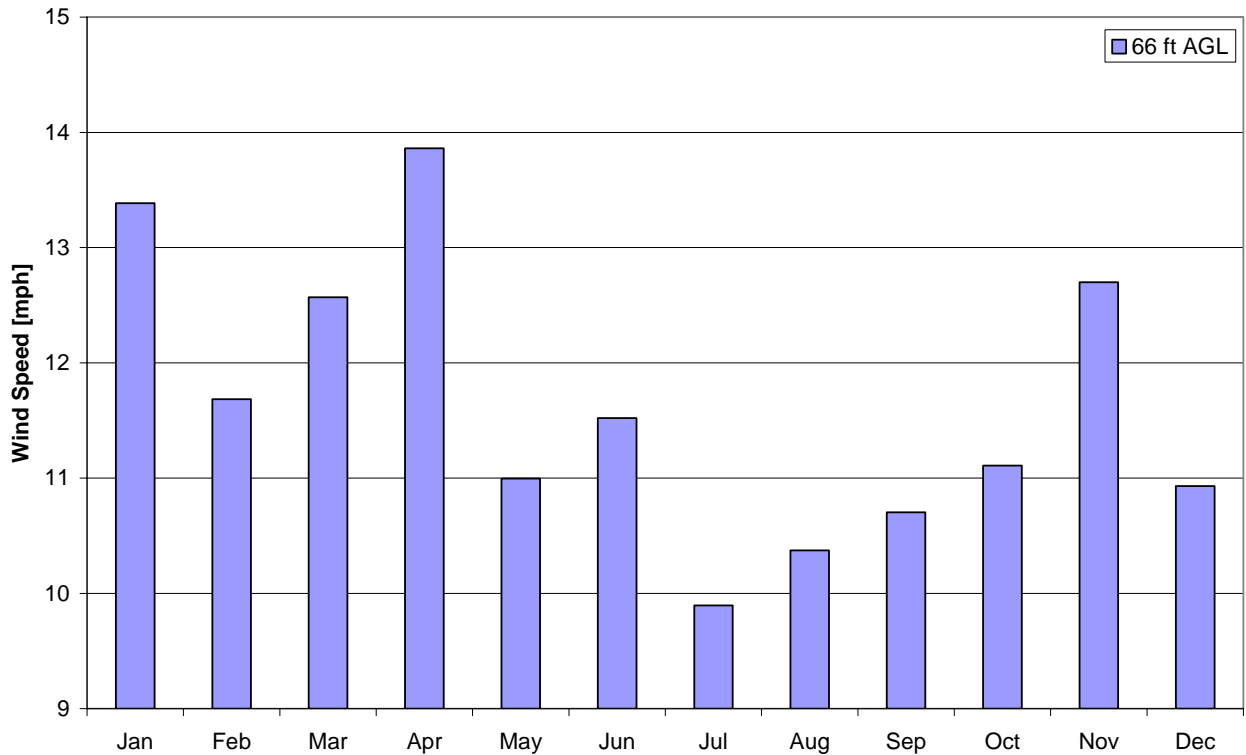
Creation Date: 7/19/2006

Monthly Wind Speed Averages

66 ft AGL

Month	mph	m/s
Jan	13.4	5.98
Feb	11.7	5.22
Mar	12.6	5.62
Apr	13.9	6.20
May	11.0	4.92
Jun	11.5	5.15
Jul	9.9	4.42
Aug	10.4	4.64
Sep	10.7	4.79
Oct	11.1	4.97
Nov	12.7	5.68
Dec	10.9	4.89

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