

Wind Resource Summary for Meeker #2 Site

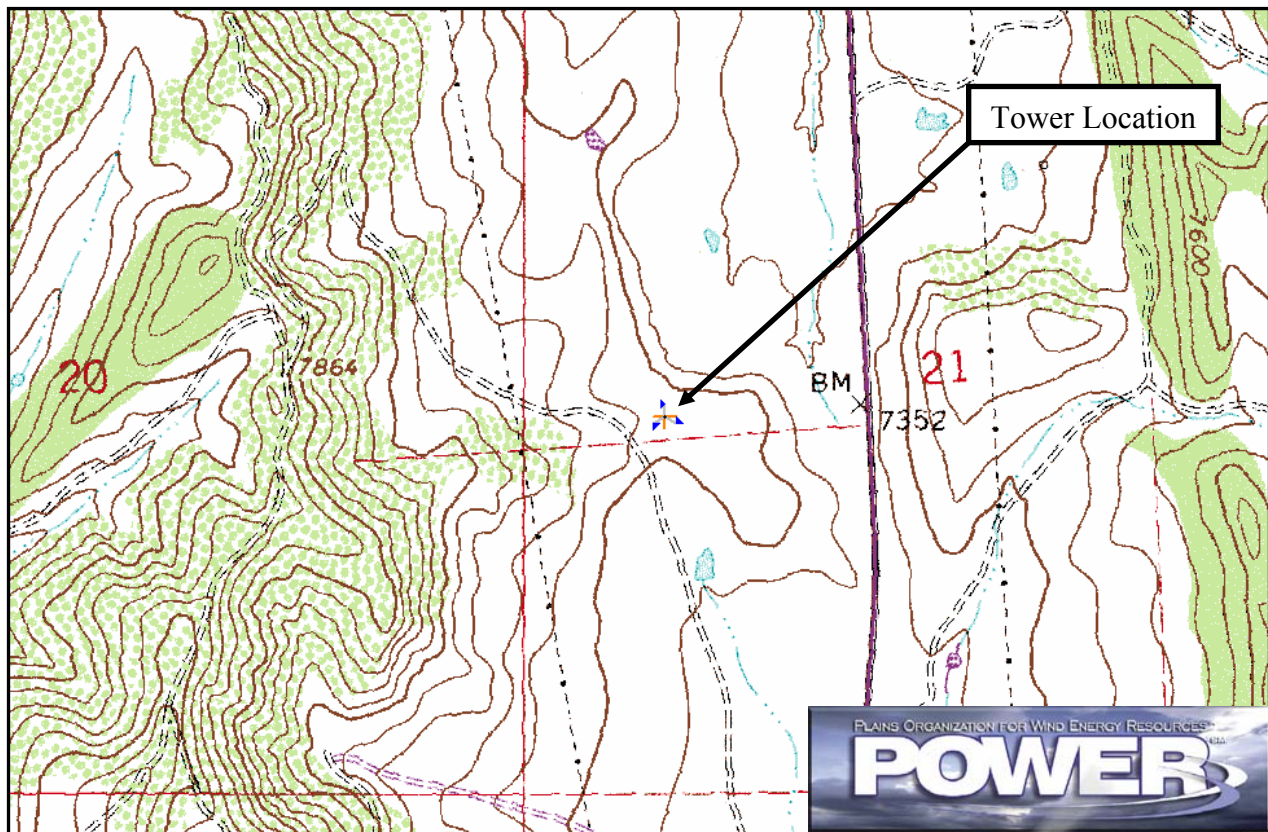
Halandras Ranch

Monitoring Period:^a 5/6/2003 – 9/28/2004

Site Description:

Latitude: N 39° 46' 23"	Township: 3 S
Longitude: W 107° 57' 15"	Range: 94 W
Elevation: 7040 feet	Section: 21
Tower Type: NRG Tilt-Up	Tower Height: 33 feet

The site is located 18.5 miles south-southwest of the town of Meeker in the county of Rio Blanco. The tower is situated on the west side of a valley running north to south. State Highway 13 is a quarter mile to the east.



Summary Wind Data:	33 ft AGL^b
Mean Wind Speed	9.4 mph
Maximum, 10-min Mean Wind Speed	43 mph – 4/17/2004 2:20 pm
Estimated Wind Power Class^c	Class 1 (85 W/m ²)

^a Data recovery rate was 99.2%.

^b Above ground level.

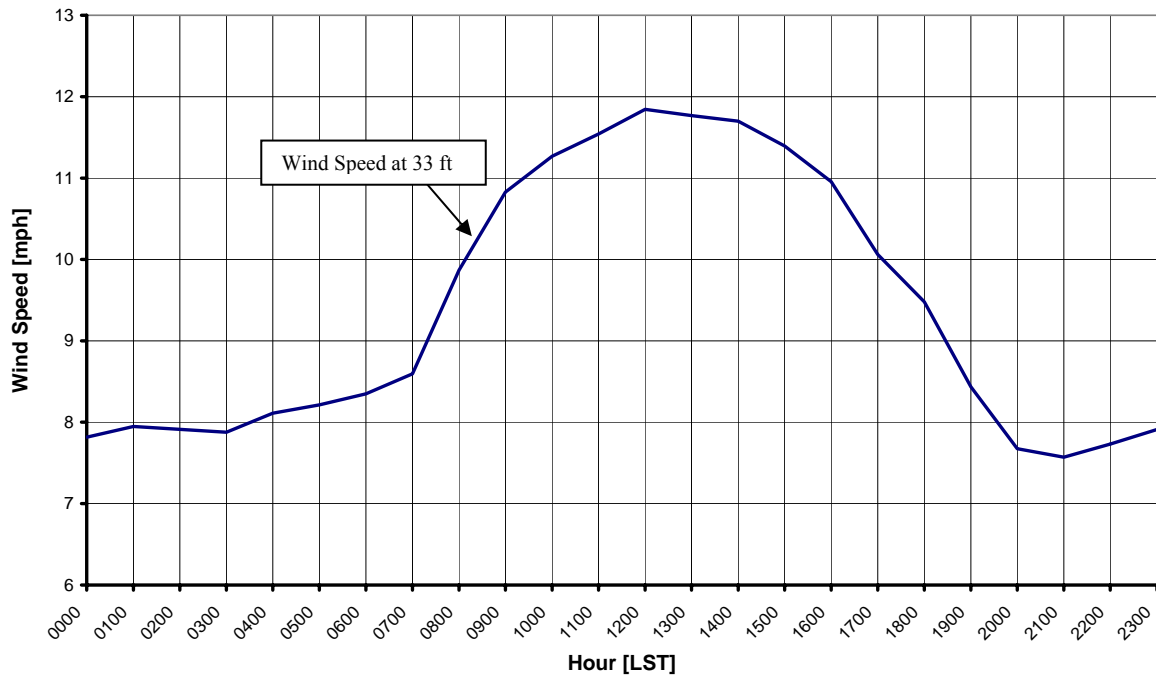
^c Air temperature was not factored into calculation.

Average Hourly Wind Speeds

33 ft AGL

LST ^d	mph	m/s
0000	7.8	3.50
0100	7.9	3.55
0200	7.9	3.54
0300	7.9	3.52
0400	8.1	3.63
0500	8.2	3.67
0600	8.3	3.73
0700	8.6	3.84
0800	9.9	4.41
0900	10.8	4.84
1000	11.3	5.04
1100	11.5	5.16
1200	11.8	5.30
1300	11.8	5.26
1400	11.7	5.23
1500	11.4	5.09
1600	11.0	4.90
1700	10.1	4.50
1800	9.5	4.24
1900	8.4	3.77
2000	7.7	3.43
2100	7.6	3.38
2200	7.7	3.46
2300	7.9	3.54

Halandras Ranch – Meeker #2 Site
5/6/2003 – 9/28/2004



^d Local standard time.



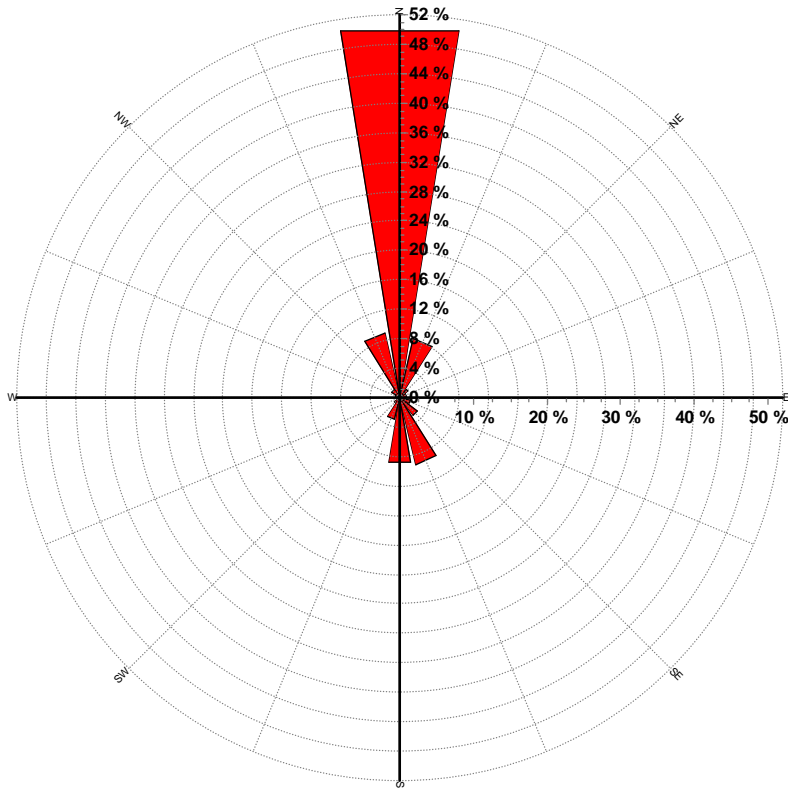
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Creation Date: 10/15/2004

Wind Directional Frequency

<u>Winds from the...</u>	<u>Frequency (%)</u>
NNW	9.1
NW	1.4
WNW	0.6
W	0.3
WSW	0.4
SW	0.9
SSW	3.0
S	8.9
SSE	9.3
SE	3.0
ESE	1.4
E	0.8
ENE	0.9
NE	1.4
NNE	8.2
N	50.4

Halandras Ranch – Meeker #2 Site
Wind Rose for 33 feet AGL
5/6/2003 – 9/28/2004



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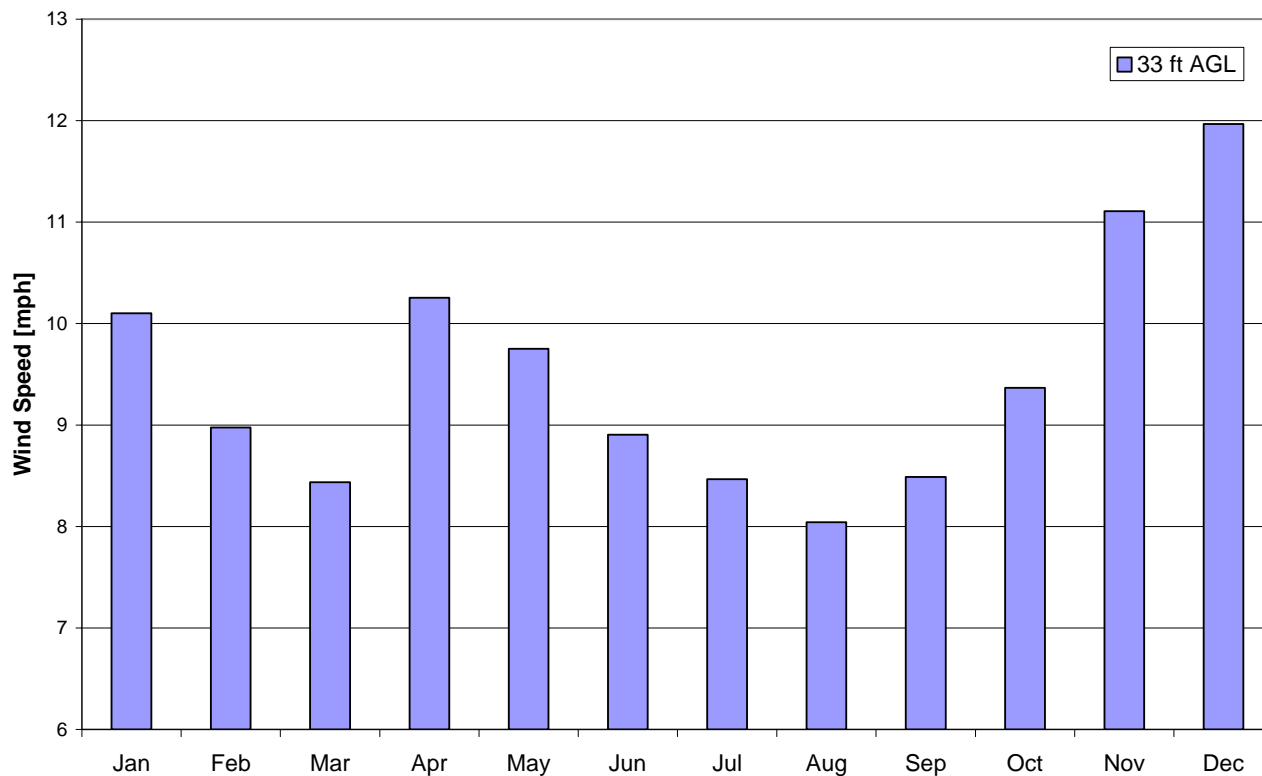
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Monthly Wind Speed Averages

33 ft AGL

Month	mph	m/s
Jan	10.1	4.52
Feb	9.0	4.01
Mar	8.4	3.77
Apr	10.3	4.58
May	9.8	4.36
Jun	8.9	3.98
Jul	8.5	3.78
Aug	8.0	3.60
Sep	8.5	3.80
Oct	9.4	4.19
Nov	11.1	4.97
Dec	12.0	5.35

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