

Wind Resource Summary for Moffat Site

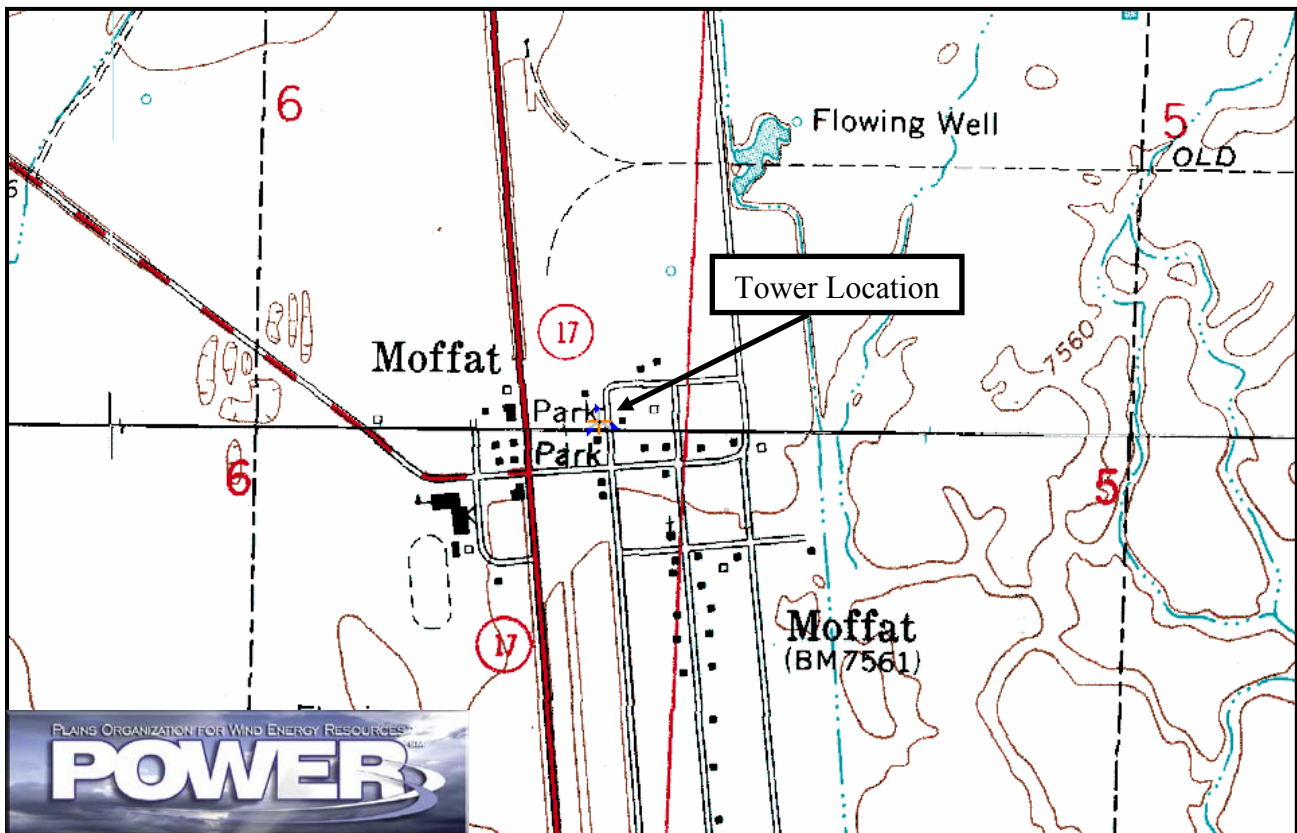
Colorado Anemometer Loan Program

Monitoring Period^a: 6/14/2005 – 7/25/2006

Site Description:

Latitude: N 38° 00' 00"	Township: 43 N
Longitude: W 105° 54' 26"	Range: 10 E
Elevation: 7561 feet	Section: 6
Tower Type: NRG Tilt-Up	Tower Height: 66 feet

The site is located in the town of Moffat, Colorado, which is in the San Luis Valley. The valley runs from north to south. The tower was installed in the city park. Trees and buildings in the area will impact the winds measured at the site.



Summary Wind Data	66 ft AGL ^b
Mean Wind Speed	8.7 mph
Maximum, 10-min Mean Wind Speed	46.0 mph – 6/15/2006 1:40 p.m.
Estimated Wind Power Class ^c	Class 1 (91 W/m ²)

^a Data recovery rate was 100%.

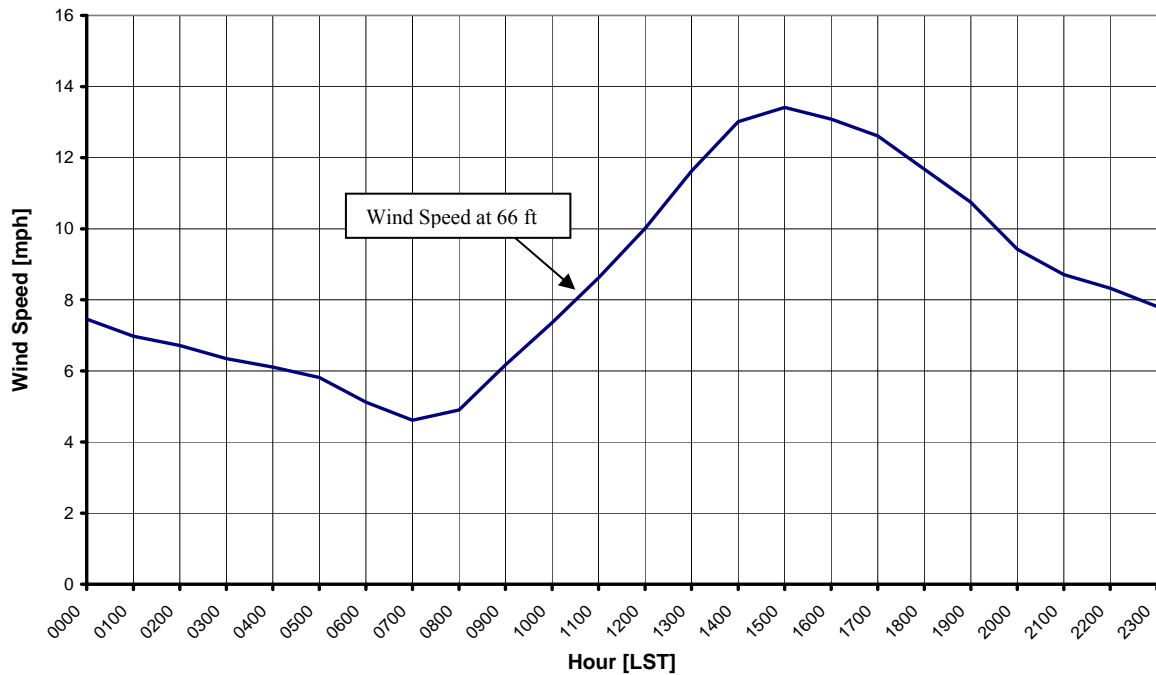
^b Above ground level.

^c Air temperature was not factored into calculation.

Average Hourly Wind Speeds

66 ft AGL		
LST ^d	mph	m/s
0000	7.5	3.33
0100	7.0	3.12
0200	6.7	3.00
0300	6.3	2.84
0400	6.1	2.73
0500	5.8	2.60
0600	5.1	2.29
0700	4.6	2.06
0800	4.9	2.19
0900	6.2	2.76
1000	7.4	3.29
1100	8.6	3.85
1200	10.0	4.48
1300	11.6	5.20
1400	13.0	5.82
1500	13.4	6.00
1600	13.1	5.85
1700	12.6	5.64
1800	11.7	5.22
1900	10.7	4.80
2000	9.4	4.21
2100	8.7	3.89
2200	8.3	3.72
2300	7.8	3.49

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^d Local standard time.



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701-777-5000 or bstevens@undeerc.org

Wind Directional Frequency

The wind direction sensor was not functional.



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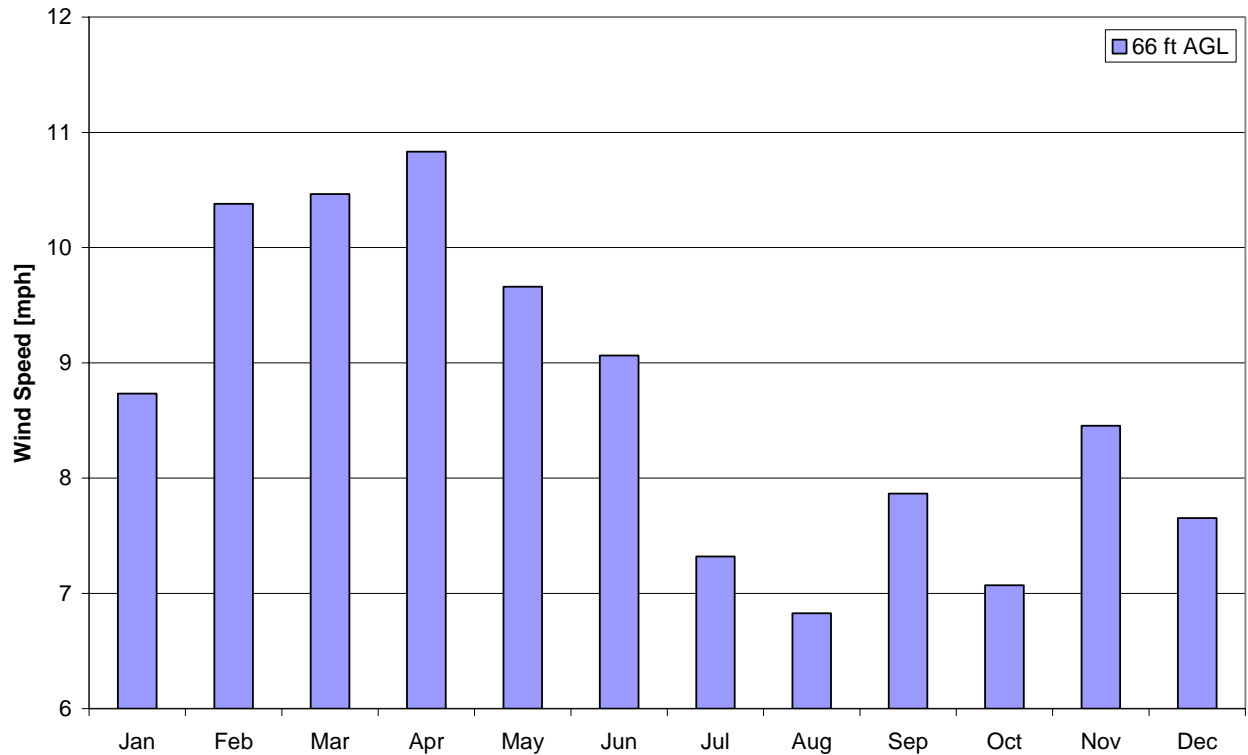
Creation Date: 9/15/2006

Monthly Wind Speed Averages

66 ft AGL

Month	mph	m/s
Jan	8.7	3.90
Feb	10.4	4.64
Mar	10.5	4.68
Apr	10.8	4.84
May	9.7	4.32
Jun	9.1	4.05
Jul	7.3	3.27
Aug	6.8	3.05
Sep	7.9	3.52
Oct	7.1	3.16
Nov	8.5	3.78
Dec	7.7	3.42

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