

Wind Resource Summary for Burlington Site

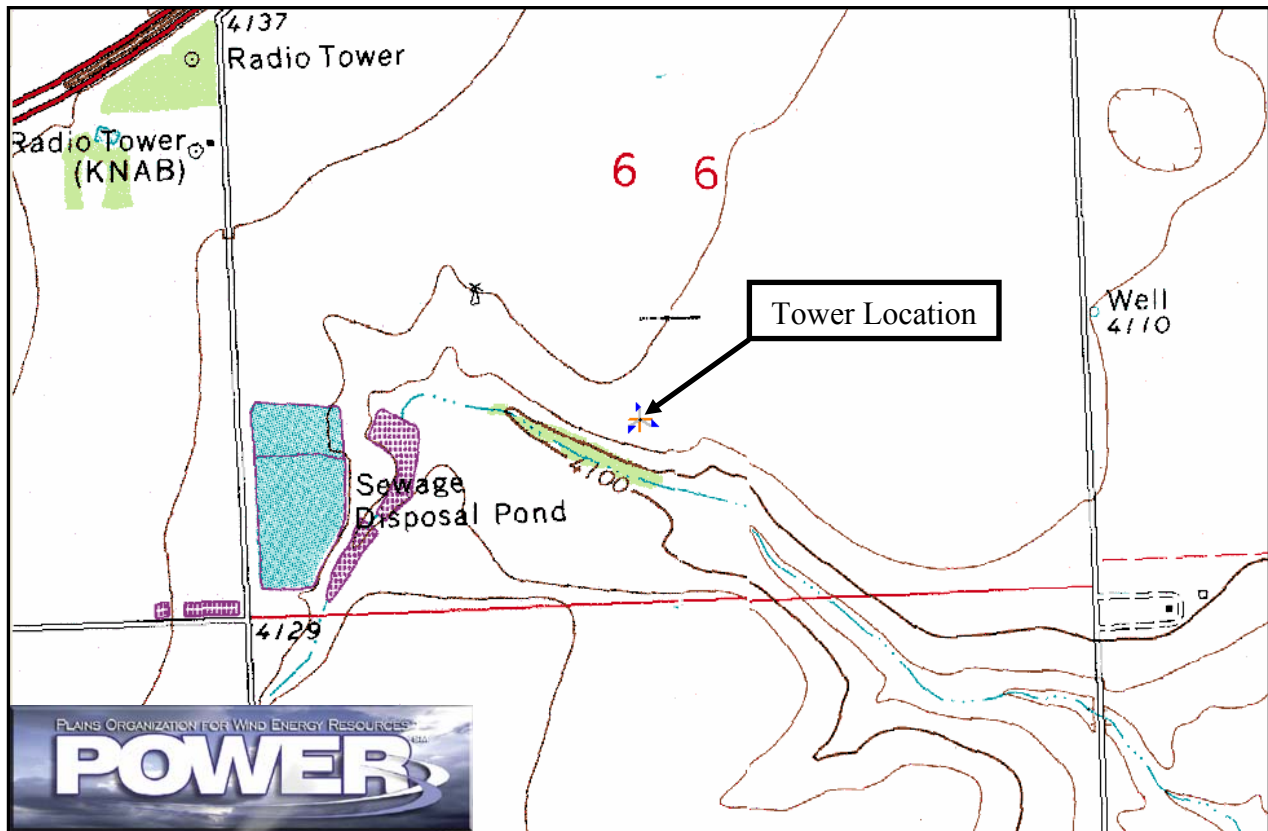
Colorado Anemometer Loan Program

Monitoring Period^a: 6/7/2005 – 8/29/2006

Site Description:

Latitude: N 39° 17' 24"	Township: 9 S
Longitude: W 102° 15' 4"	Range: 43 W
Elevation: 4115 feet	Section: 6
Tower Type: NRG Tilt-Up	Tower Height: 66 feet

The site is approximately 1 mile southeast of the town of Burlington, Colorado. The tower is situated in a large open area with cultivated fields on the north and east side of the tower. The terrain is flat with good exposure to south, east, and northeast winds. Trees and buildings about a mile to the north and northwest may impact the wind from these directions.



Summary Wind Data	66 ft AGL ^b
Mean Wind Speed	14.0 mph
Maximum, 10-min Mean Wind Speed	56.3 mph – 11/28/2005 10:40 a.m.
Estimated Wind Power Class ^c	Class 3 (244 W/m ²)

^a Data recovery rate was 99%.

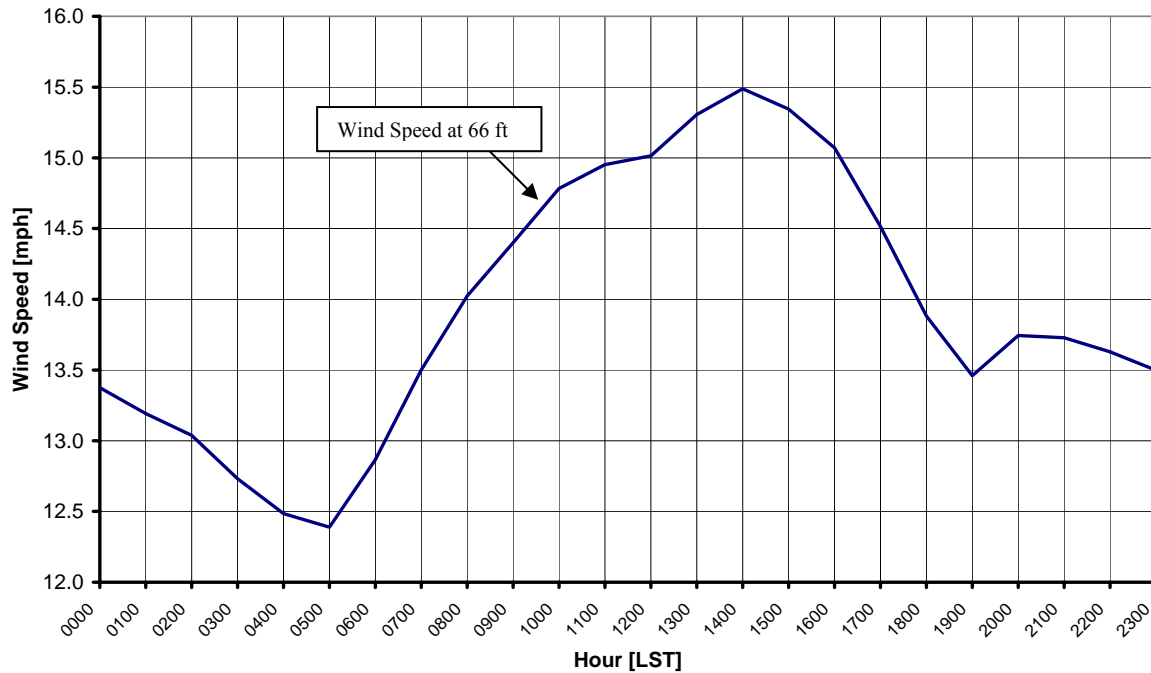
^b Above ground level.

^c Air temperature was not factored into calculation.

Average Hourly Wind Speeds

LST ^d	mph	m/s
0000	13.4	5.98
0100	13.2	5.90
0200	13.0	5.83
0300	12.7	5.69
0400	12.5	5.58
0500	12.4	5.54
0600	12.9	5.75
0700	13.5	6.04
0800	14.0	6.27
0900	14.4	6.44
1000	14.8	6.61
1100	15.0	6.68
1200	15.0	6.71
1300	15.3	6.84
1400	15.5	6.92
1500	15.3	6.86
1600	15.1	6.74
1700	14.5	6.49
1800	13.9	6.21
1900	13.5	6.02
2000	13.7	6.14
2100	13.7	6.14
2200	13.6	6.09
2300	13.5	6.03

Colorado Anemometer Loan Program – Burlington Site
6/7/2005 – 8/29/2006



^d Local standard time.



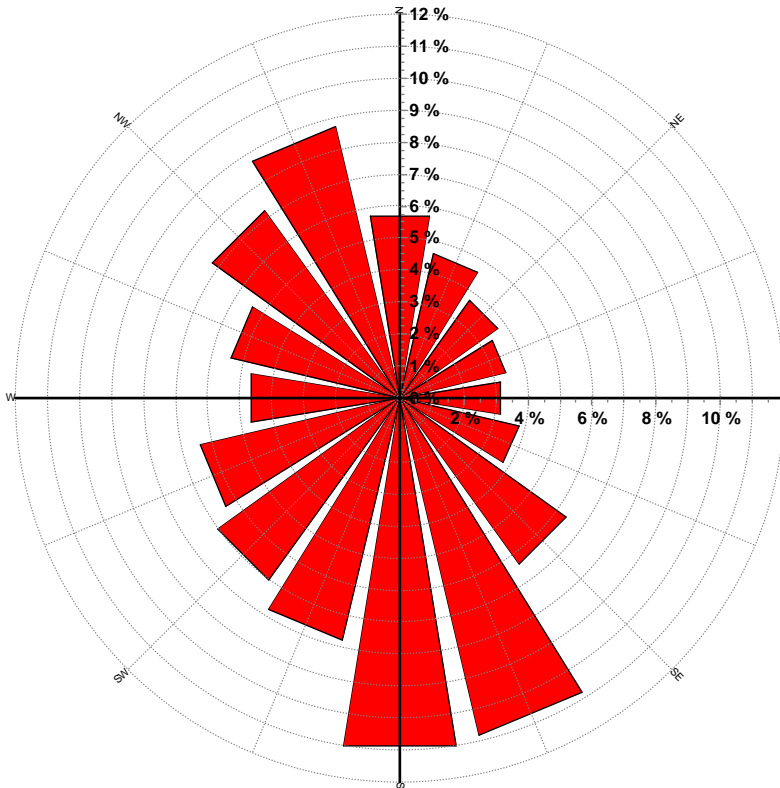
Energy & Environmental Research Center
701-777-5000 or bstevens@undeerc.org

Wind Directional Frequency

Winds from the... Frequency (%)

NNW	8.7
NW	7.2
WNW	5.4
W	4.7
WSW	6.4
SW	7.0
SSW	7.8
S	11.0
SSE	10.8
SE	6.4
ESE	3.8
E	3.2
ENE	3.4
NE	3.7
NNE	4.6
N	5.8

Colorado Anemometer Loan Program – Burlington Site
Wind Rose for 66 ft AGL
6/7/2005 – 8/29/2006



Energy & Environmental Research Center
701-777-5000 or bstevens@undeerc.org

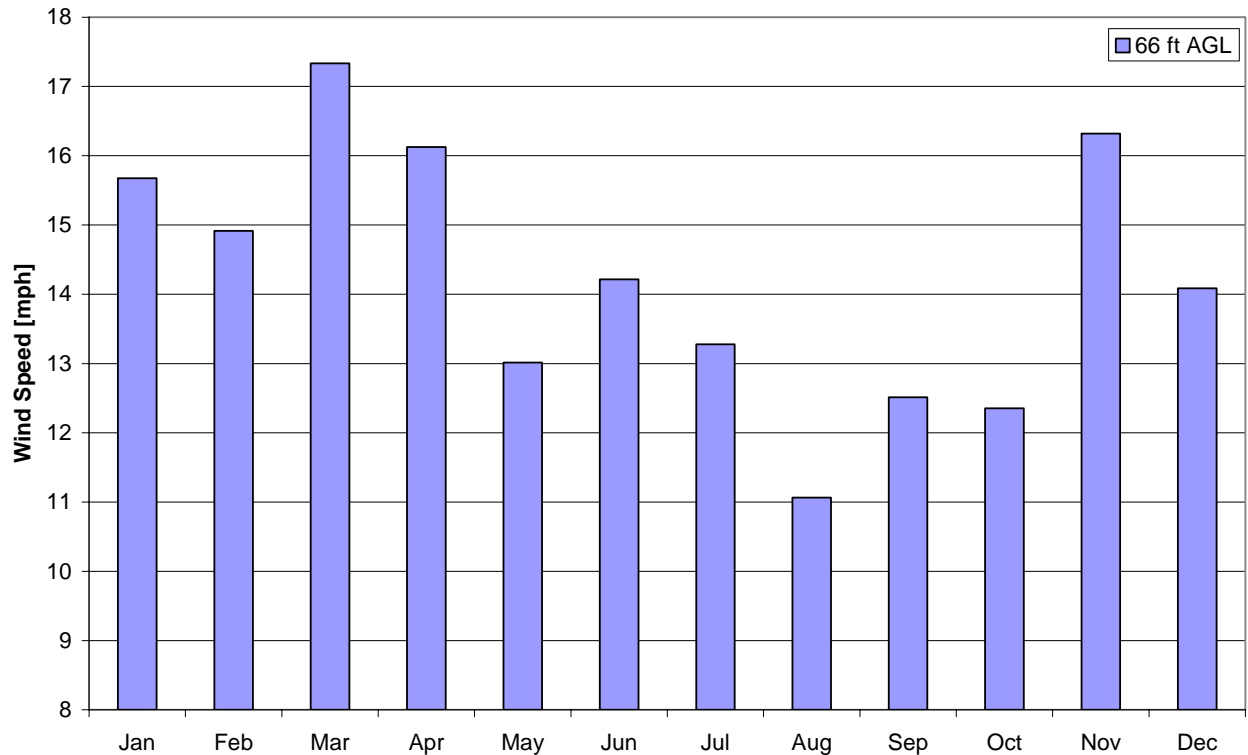
Creation Date: 9/15/2006

Monthly Wind Speed Averages

66 ft AGL

Month	mph	m/s
Jan	15.7	7.01
Feb	14.9	6.67
Mar	17.3	7.75
Apr	16.1	7.21
May	13.0	5.82
Jun	14.2	6.35
Jul	13.3	5.94
Aug	11.1	4.95
Sep	12.5	5.59
Oct	12.4	5.52
Nov	16.3	7.29
Dec	14.1	6.30

**Colorado Anemometer Loan Program – Burlington Site
6/7/2005 – 8/29/2006**



Energy & Environmental Research Center
701-777-5000 or bstevens@undeerc.org