

IIRA Wind Monitoring Program

Summary Report

Winnebago Co 1

Site Information	
Site Name	Rockford
Site Number	5527

Data Collection	
Period	9/21/2010 - 1/19/2012
Interval	10 minutes

Latitude	N 42 18.167
Longitude	W 89 10.965
County, State	Winnebago, IL
Elevation (m)	237
Time Zone	CST (-6)
Land Description	hayfield/corn Field

Parameters	Observation Heights (m)
Wind Speed	58, 40, 32, 10
Wind Direction	57, 32
Temperature	2
Solar Radiation	2.5
Data logger battery	NA

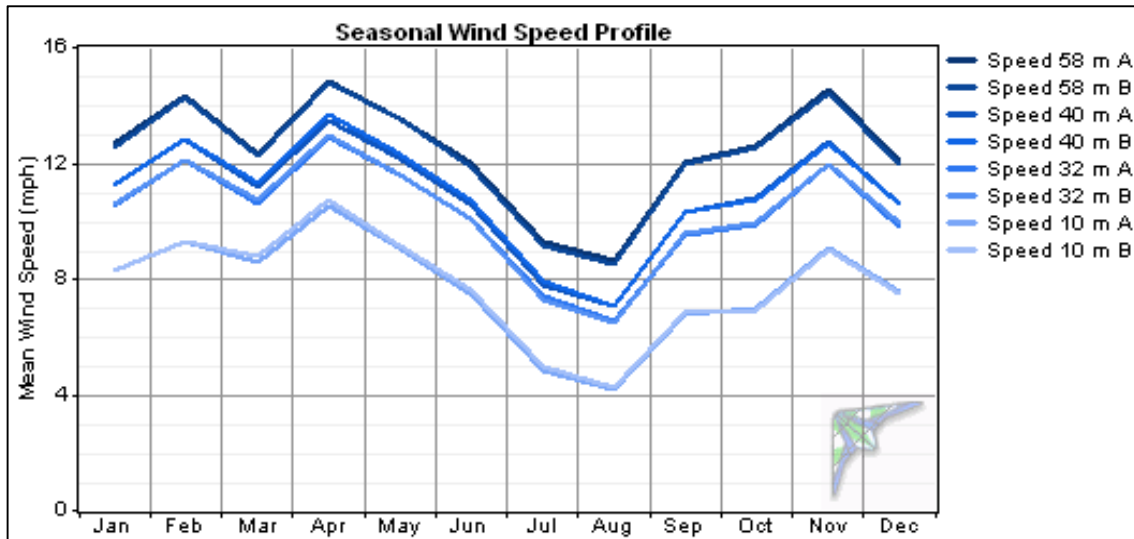
Tower Height	60 m
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Results:

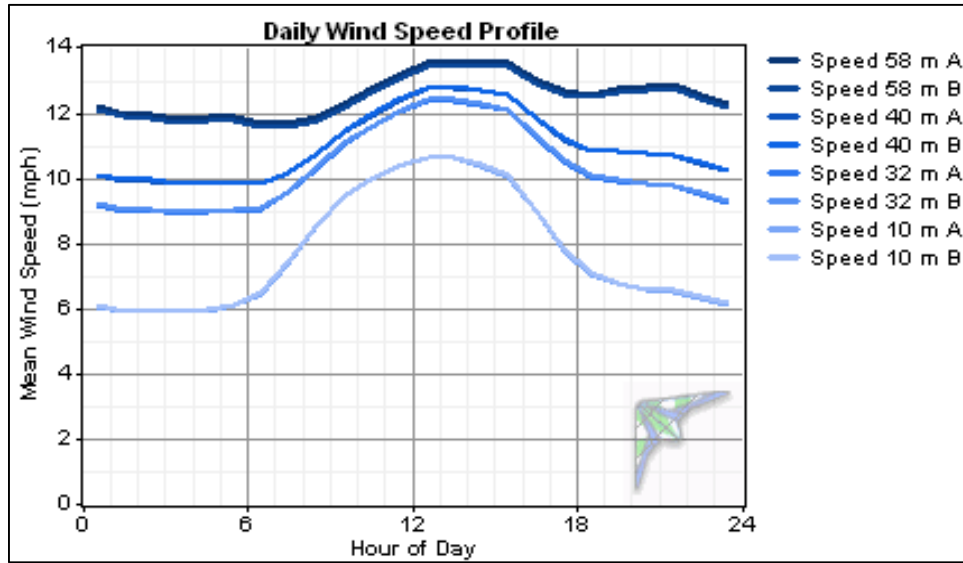
Wind Speed

	Speed	Speed	Speed	Speed
	58 m A	58 m B	40 m A	40 m B
Mean wind speed (mph)	12.53	12.41	10.96	10.99
Min wind speed (mph)	0.90	0.90	0.90	0.90
Max wind speed (mph)	54.58	54.58	49.44	50.11
Data recovery rate (%)	98.13	98.13	98.13	98.13

	Speed	Speed	Speed	Speed
	32 m A	32 m B	10 m A	10 m B
Mean wind speed (mph)	10.26	10.31	7.74	7.77
Min wind speed (mph)	0.90	0.90	0.90	0.90
Max wind speed (mph)	47.20	47.42	36.91	37.13
Data recovery rate (%)	98.13	98.13	98.13	98.13



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Wind Direction

