

Project:
Nantucket

Printed/Page
2/2/2012 12:15 PM / 2

Licensed user:
SED, Inc.
317 State Route 104
US-14519 Ontario, NY
4738
Scott Abbett / scott.abbett@sed-net.com
Calculated:
2/2/2012 12:14 PM/2.7.486

PARK - Wind Data Analysis

Calculation: Compost PW56 71m Wind data: A - WASP; Hub height: 71.0

Site Coordinates

UTM WGS 84 Zone: 19 East: 402,478 North: 4,570,155
PW 56 71m

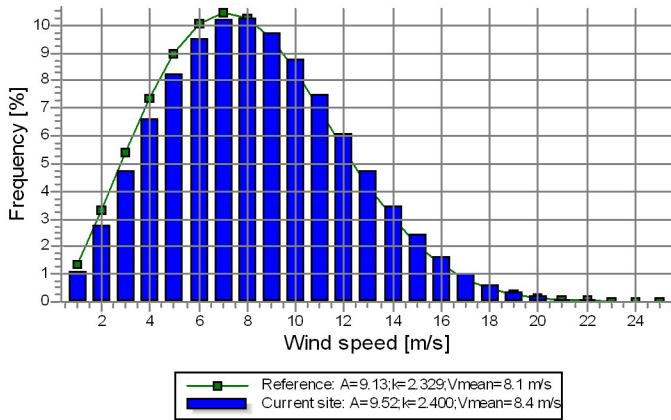
Wind statistics

US MET Mast - 70.00 m.wws

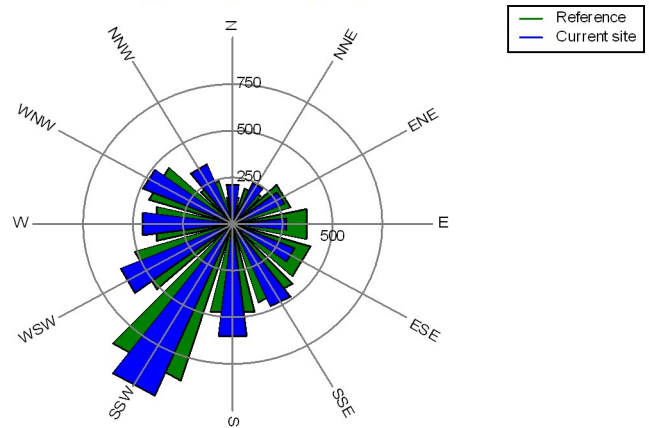
Weibull Data

Sector	Current site			Frequency [%]	Reference: Roughness class 1		
	A- parameter [m/s]	Wind speed [m/s]	k- parameter		A- parameter [m/s]	k- parameter	Frequency [%]
0 N	8.43	7.47	2.439	5.7	7.43	2.336	5.6
1 NNE	8.27	7.33	2.174	6.4	7.66	2.131	6.5
2 ENE	9.28	8.22	2.361	5.6	9.56	2.376	5.6
3 E	10.77	9.64	3.146	4.1	11.99	3.156	4.1
4 ESE	11.17	10.00	3.158	4.5	11.94	3.141	4.5
5 SSE	10.38	9.19	2.131	6.4	9.92	2.076	6.5
6 S	9.92	8.79	2.135	9.2	9.07	2.136	9.6
7 SSW	10.18	9.03	2.436	15.5	9.66	2.416	15.9
8 WSW	9.21	8.16	2.432	12.7	8.74	2.406	12.5
9 W	9.00	8.00	2.654	10.8	8.54	2.626	10.7
10 WNW	9.09	8.07	2.529	10.9	8.76	2.501	10.8
11 NNW	9.11	8.12	2.838	8.1	8.17	2.811	7.8
All	9.52	8.44	2.400	100.0	9.13	2.329	100.0

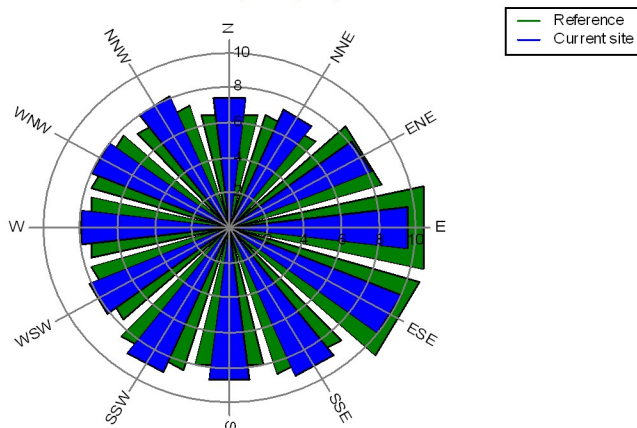
Weibull Distribution



Energy Rose (kWh/m²/year)



Mean wind speed (m/s)



Frequency (%)

