

Table S1. Annual descriptive statistics of wind speed series at eight-selected Location over various period.

Location	Year	Mean [m/s]	Standard Deviation	Variation coefficient	Minimum [m/s]	Median [m/s]	Maximum [m/s]	Skewness	Kurtosis
Lefkoşa	2008	2.717	0.435	16.000	1.883	2.800	3.174	-0.950	-0.240
	2009	2.582	0.515	19.950	1.977	2.579	3.467	0.500	-0.770
	2010	2.556	0.523	20.470	1.460	2.692	3.227	-0.940	0.580
	2011	2.433	0.457	18.780	1.581	2.513	3.130	-0.310	-0.690
	2012	2.446	0.493	20.170	1.568	2.508	3.094	-0.360	-0.880
	2013	2.674	0.446	16.690	2.010	2.734	3.383	-0.360	-0.740
	2014	2.442	0.643	26.340	1.600	2.600	3.500	0.000	-1.330
	2015	2.444	0.363	14.860	1.824	2.447	2.897	-0.230	-1.380
	2016	2.525	0.431	17.070	2.000	2.600	3.200	0.100	-1.540
	whole	2.513	0.426	16.970	1.882	2.567	3.203	-0.080	-1.010
Güzelyurt	2000	2.673	0.272	10.170	2.172	2.686	3.244	0.060	1.050
	2001	2.749	0.376	13.690	2.231	2.749	3.576	0.720	0.450
	2002	2.766	0.294	10.640	2.202	2.700	3.215	-0.280	-0.450
	2003	2.706	0.308	11.380	2.159	2.678	3.330	0.550	0.810
	2004	2.664	0.283	10.610	2.180	2.765	3.200	-0.040	-0.330
	2005	2.754	0.309	11.210	2.115	2.858	3.079	-1.130	0.110
	2006	2.692	0.307	11.390	2.136	2.823	3.077	-0.780	-0.350
	2007	2.520	0.207	8.210	2.107	2.520	2.817	-0.520	-0.340
	2008	2.642	0.350	13.240	2.093	2.642	3.227	0.060	-1.010
	2009	2.643	0.281	10.620	2.090	2.687	2.958	-0.970	0.240
	2010	2.567	0.385	15.000	1.800	2.568	3.167	-0.260	0.140
	2011	2.272	0.282	12.420	1.790	2.272	2.767	0.250	-0.450
	2012	2.233	0.325	14.550	1.570	2.258	2.738	-0.420	0.410
	2013	2.453	0.273	11.130	1.997	2.400	2.953	0.330	0.520
	2014	2.449	0.375	15.330	1.900	2.449	2.900	-0.290	-1.360
	2015	2.378	0.330	13.870	1.800	2.426	2.993	-0.320	0.200
	2016	2.375	0.497	20.920	1.100	2.400	3.200	-1.170	3.270

	whole	2.561	0.241	9.390	2.119	2.647	2.869	-0.630	-0.610
Girne	2000	2.531	0.601	23.750	1.800	2.351	3.713	0.900	-0.050
	2001	2.369	0.450	18.990	1.847	2.285	3.355	1.030	0.690
	2002	1.931	0.629	32.580	1.119	1.885	3.339	1.060	1.170
	2003	2.810	0.818	29.130	1.643	2.763	4.618	0.780	0.860
	2004	2.776	0.543	19.560	1.981	2.648	3.872	0.580	-0.120
	2005	2.766	0.436	15.750	2.129	2.713	3.565	0.630	-0.220
	2006	2.706	0.419	15.480	2.177	2.588	3.571	0.700	-0.150
	2007	2.437	0.230	9.430	2.065	2.394	2.839	0.140	-0.650
	2008	2.495	0.456	18.260	1.881	2.553	3.500	0.650	0.790
	2009	2.488	0.302	12.130	1.874	2.540	3.003	-0.350	0.650
	2010	2.416	0.447	18.510	1.567	2.358	3.264	0.010	0.560
	2011	2.395	0.267	11.140	2.048	2.473	2.853	0.060	-1.310
	2012	2.326	0.389	16.720	1.803	2.187	3.166	0.880	0.370
	2013	2.601	0.404	15.540	2.052	2.547	3.384	0.580	-0.110
	2014	2.475	0.418	16.890	2.000	2.300	3.200	0.890	-0.600
	2015	2.569	0.345	13.430	1.952	2.538	3.052	-0.080	-0.700
	2016	2.525	0.352	13.940	2.000	2.550	3.100	0.040	-0.840
	whole	2.507	0.264	10.520	2.151	2.451	2.950	0.390	-1.100
Gazimağusa	2000	3.193	0.292	9.130	2.862	3.116	3.709	0.870	-0.300
	2001	3.011	0.237	7.870	2.706	2.976	3.480	0.630	-0.310
	2002	3.198	0.445	13.920	2.646	3.166	4.109	0.890	0.340
	2003	3.235	0.457	14.120	2.740	3.154	4.405	1.660	3.280
	2004	3.108	0.429	13.800	2.661	2.947	3.999	1.140	0.140
	2005	3.050	0.228	7.460	2.781	3.011	3.497	0.680	-0.610
	2006	3.078	0.477	15.500	2.646	2.892	4.232	1.620	2.130
	2007	2.954	0.248	8.390	2.542	2.910	3.432	0.130	0.260
	2008	2.990	0.582	19.460	2.258	2.820	4.285	1.520	1.860
	2009	2.722	0.234	8.600	2.426	2.705	3.177	0.450	-0.620
	2010	4.430	0.456	10.300	3.955	4.229	5.496	1.350	1.430
	2011	4.741	0.530	11.180	4.113	4.548	5.668	0.760	-0.520

2012	4.617	0.773	16.750	3.890	4.311	6.541	1.600	2.560
2013	4.947	0.875	17.690	3.719	4.826	7.216	1.570	3.900
2014	4.500	0.359	7.980	4.000	4.550	5.100	0.030	-1.110
2015	4.709	0.654	13.890	3.767	4.638	5.500	-0.090	-1.730
2016	4.608	0.616	13.360	3.800	4.400	6.000	1.070	1.010
whole	3.711	0.314	8.470	3.405	3.511	4.142	0.540	-1.800

Ercan

2000	3.258	0.387	11.870	2.644	3.304	3.945	0.230	-0.280
2001	2.956	0.569	19.230	2.117	2.807	3.843	0.380	-0.950
2002	2.812	0.757	26.930	1.000	2.982	3.842	-1.190	1.940
2003	2.920	0.641	21.950	1.632	3.203	3.547	-1.240	0.380
2004	3.450	0.328	9.490	3.022	3.392	3.907	0.070	-1.810
2005	3.524	0.307	8.700	2.953	3.470	4.021	-0.120	-0.520
2006	3.832	0.359	9.360	3.382	3.703	4.557	1.010	0.220
2007	3.679	0.386	10.500	2.913	3.726	4.133	-0.610	-0.440
2008	4.025	0.464	11.520	3.198	4.034	4.673	-0.430	-0.690
2009	3.815	0.524	13.720	3.035	3.913	4.677	0.160	-1.000
2010	3.596	0.475	13.200	2.648	3.748	4.217	-0.780	-0.390
2011	3.616	0.308	8.530	3.100	3.720	4.148	-0.090	-0.800
2012	3.637	0.337	9.250	3.126	3.626	4.226	0.090	-0.690
2013	3.991	0.385	9.650	3.167	4.063	4.503	-0.770	0.400
2014	3.658	0.446	12.190	3.000	3.650	4.400	0.060	-1.000
2015	3.752	0.297	7.930	3.045	3.813	4.127	-1.110	1.860
2016	4.117	0.338	8.210	3.600	4.100	4.800	0.400	0.240
whole	3.567	0.253	7.080	3.238	3.647	3.981	-0.020	-1.360

Dipkarpaz

2005	4.701	0.842	17.920	3.200	4.769	6.174	-0.160	-0.230
2006	3.849	0.549	14.270	2.910	3.704	4.587	-0.100	-1.290
2007	4.238	0.473	11.150	3.494	4.292	4.894	-0.330	-1.100
2008	3.269	0.736	22.500	2.400	3.168	4.337	0.350	-1.570
2009	4.233	0.507	11.970	3.400	4.350	5.000	-0.210	-0.740
2010	3.700	0.483	13.060	2.850	3.600	4.450	-0.040	-0.930

	2011	4.103	1.088	26.510	2.763	4.083	6.113	0.430	-0.910
	2012	3.947	0.813	20.590	2.331	3.840	5.312	-0.230	0.120
	2013	4.203	1.088	25.880	2.863	4.183	6.213	0.430	-0.910
	2014	4.050	0.483	11.930	3.200	3.950	4.800	-0.040	-0.930
	2015	4.287	0.813	18.960	2.671	4.180	5.652	-0.230	0.120
	2016	4.150	0.647	15.600	3.300	4.000	5.700	1.210	2.060
	whole	4.061	0.470	11.580	3.438	4.052	5.006	0.570	-0.220
YeniBoğaziçi	2011	3.696	0.425	11.510	2.635	3.786	4.113	-1.430	2.560
	2012	3.345	0.562	16.790	2.753	3.272	4.569	1.140	0.930
	2013	3.721	0.755	20.300	3.000	3.397	5.039	0.930	-0.690
	2014	3.158	0.399	12.630	2.800	3.000	4.100	1.680	2.140
	2015	3.462	0.596	17.200	2.673	3.285	4.484	0.650	-0.570
	2016	3.304	0.402	12.170	2.606	3.247	4.255	0.900	2.520
	whole	3.448	0.338	9.800	3.048	3.403	4.255	1.350	2.150
Salamis	2009	2.722	0.224	8.230	2.426	2.722	3.177	0.460	-0.370
	2010	4.430	0.437	9.860	3.955	4.265	5.496	1.390	1.760
	2011	2.651	0.437	16.500	2.190	2.558	3.626	1.420	1.280
	2012	2.868	0.645	22.500	2.220	2.855	4.050	0.860	-0.390
	2013	2.962	0.755	25.480	2.168	2.932	5.074	1.950	4.920
	2014	2.700	0.396	14.660	2.100	2.600	3.300	0.170	-1.440
	2015	2.741	0.571	20.840	2.100	2.693	3.700	0.360	-1.560
	2016	2.644	0.539	20.400	2.158	2.403	4.127	1.920	4.360
	whole	2.965	0.353	11.920	2.606	2.788	3.498	0.520	-1.550

Table S2. Electricity production and financial indices at eight locations.

Location	Model	Hub height [m]	Total energy power of wind turbine [kW]	CF [%]	UCE [\$/kW]
Lefkoşa	WRE.030 / 3 kW	20	21.09	29.29	0.75
	Aeolos-V2 5kW		43.18	35.98	0.61
	WRE.060 / 6 kW		42.17	29.29	0.75
	WS-12/ 8 kW		27.26	14.20	1.56
	Aeolos-V 10kW		58.77	24.49	0.90
	WRE.030 / 3 kW	30	30.65	42.57	0.52
	Aeolos-V2 5kW		75.83	63.19	0.35
	WRE.060 / 6 kW		61.31	42.57	0.52
	WS-12/ 8 kW		39.63	20.64	1.07
	Aeolos-V 10kW		103.22	43.01	0.51
WRE.030 / 3 kW	40	38.94	54.09	0.41	
Aeolos-V2 5kW		104.13	86.77	0.25	
WRE.060 / 6 kW		77.89	54.09	0.41	
WS-12/ 8 kW		50.35	26.22	0.84	
Aeolos-V 10kW		141.74	59.06	0.37	
Güzelyurt	WRE.030 / 3 kW	20	26.33	36.57	0.60
	Aeolos-V2 5kW		52.44	43.70	0.51
	WRE.060 / 6 kW		52.66	36.57	0.60
	WS-12/ 8 kW		34.04	17.73	1.25
	Aeolos-V 10kW		71.37	29.74	0.74
	WRE.030 / 3 kW	30	38.48	53.45	0.41
	Aeolos-V2 5kW		93.91	78.26	0.28
	WRE.060 / 6 kW		76.96	53.45	0.41
	WS-12/ 8 kW		49.75	25.91	0.85
	Aeolos-V 10kW		127.83	53.26	0.42
WRE.030 / 3 kW	40	49.01	68.07	0.32	

	Aeolos-V2 5kW		129.85	108.21	0.20	
	WRE.060 / 6 kW		98.02	68.07	0.32	
	WS-12/ 8 kW		63.37	33.00	0.67	
	Aeolos-V 10kW		176.74	73.64	0.30	
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	WRE.030 / 3 kW		26.68	37.06	0.60	
	Aeolos-V2 5kW		53.63	44.69	0.49	
	WRE.060 / 6 kW	20	53.36	37.06	0.60	
	WS-12/ 8 kW		34.50	17.97	1.23	
	Aeolos-V 10kW		73.00	30.42	0.73	
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Girne	WRE.030 / 3 kW		38.92	54.06	0.41	
	Aeolos-V2 5kW		95.42	79.52	0.28	
	WRE.060 / 6 kW	30	77.85	54.06	0.41	
	WS-12/ 8 kW		50.33	26.21	0.84	
	Aeolos-V 10kW		129.88	54.12	0.41	
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	WRE.030 / 3 kW		49.53	68.80	0.32	
	Aeolos-V2 5kW		131.63	100.00	0.20	
	WRE.060 / 6 kW	40	99.07	68.80	0.32	
	WS-12/ 8 kW		64.04	33.36	0.66	
Aeolos-V 10kW		179.17	74.66	0.30		
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Gazimağusa	WRE.030 / 3 kW		97.75	100.00	0.16	
	Aeolos-V2 5kW		296.23	100.00	0.09	
	WRE.060 / 6 kW	20	195.51	100.00	0.16	
	WS-12/ 8 kW		126.39	65.83	0.34	
	Aeolos-V 10kW		403.21	100.00	0.13	
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	WRE.030 / 3 kW		128.84	100.00	0.12	
	Aeolos-V2 5kW		402.34	100.00	0.07	
	WRE.060 / 6 kW	30	257.68	100.00	0.12	
	WS-12/ 8 kW		166.58	86.76	0.25	
Aeolos-V 10kW		547.64	100.00	0.10		
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			WRE.030 / 3 kW		155.78	100.00	0.10
			Aeolos-V2 5kW		494.28	100.00	0.05
		40	WRE.060 / 6 kW		311.55	100.00	0.10
			WS-12/ 8 kW		201.41	100.00	0.21
			Aeolos-V 10kW		672.79	100.00	0.08
			WRE.030 / 3 kW		83.47	100.00	0.19
			Aeolos-V2 5kW		247.46	100.00	0.11
		20	WRE.060 / 6 kW		166.94	100.00	0.19
			WS-12/ 8 kW		107.92	56.21	0.39
			Aeolos-V 10kW		336.84	100.00	0.16
			WRE.030 / 3 kW		110.77	100.00	0.14
			Aeolos-V2 5kW		340.64	100.00	0.08
Ercan		30	WRE.060 / 6 kW		221.53	100.00	0.14
			WS-12/ 8 kW		143.21	74.59	0.30
			Aeolos-V 10kW		463.67	100.00	0.11
			WRE.030 / 3 kW		134.42	100.00	0.12
			Aeolos-V2 5kW		421.38	100.00	0.06
		40	WRE.060 / 6 kW		268.84	100.00	0.12
			WS-12/ 8 kW		173.80	90.52	0.24
			Aeolos-V 10kW		573.57	100.00	0.09
			WRE.030 / 3 kW		101.36	100.00	0.16
			Aeolos-V2 5kW		308.53	100.00	0.09
		20	WRE.060 / 6 kW		202.72	100.00	0.16
			WS-12/ 8 kW		131.05	68.25	0.32
Dipkarpaz			Aeolos-V 10kW		419.96	100.00	0.13
			WRE.030 / 3 kW		133.40	100.00	0.12
			Aeolos-V2 5kW		417.90	100.00	0.06
		30	WRE.060 / 6 kW		266.80	100.00	0.12
			WS-12/ 8 kW		172.48	89.83	0.25

			Aeolos-V 10kW		568.83	100.00	0.09

			WRE.030 / 3 kW		161.16	100.00	0.10
			Aeolos-V2 5kW		512.67	100.00	0.05
		40	WRE.060 / 6 kW		322.33	100.00	0.10
			WS-12/ 8 kW		208.37	100.00	0.20
			Aeolos-V 10kW		697.82	100.00	0.08

			WRE.030 / 3 kW		36.28	50.40	0.44
			Aeolos-V2 5kW		103.69	86.41	0.26
		20	WRE.060 / 6 kW		72.57	50.40	0.44
			WS-12/ 8 kW		46.91	24.43	0.90
			Aeolos-V 10kW		141.14	58.81	0.38

			WRE.030 / 3 kW		48.69	67.62	0.33
			Aeolos-V2 5kW		146.03	100.00	0.18
		30	WRE.060 / 6 kW		97.38	67.62	0.33
			WS-12/ 8 kW		62.95	32.79	0.67
			Aeolos-V 10kW		198.77	82.82	0.27

			WRE.030 / 3 kW		59.44	82.55	0.27
			Aeolos-V2 5kW		182.71	152.26	0.15
		40	WRE.060 / 6 kW		118.87	82.55	0.27
			WS-12/ 8 kW		76.85	40.02	0.55
			Aeolos-V 10kW		248.70	103.63	0.21

			WRE.030 / 3 kW		32.27	44.81	0.49
			Aeolos-V2 5kW		84.22	70.18	0.31
		20	WRE.060 / 6 kW		64.53	44.81	0.49
			WS-12/ 8 kW		41.72	21.73	1.02
			Aeolos-V 10kW		114.63	47.76	0.46

			WRE.030 / 3 kW		44.40	61.67	0.36
		30	Aeolos-V2 5kW		125.63	100.00	0.21
			WRE.060 / 6 kW		88.80	61.67	0.36

YeniBoğaziçi

Salamis

WS-12/ 8 kW		57.41	29.90	0.74
Aeolos-V 10kW		171.01	71.25	0.31

WRE.030 / 3 kW		54.91	76.27	0.29
Aeolos-V2 5kW		161.52	100.00	0.16
WRE.060 / 6 kW	40	109.83	76.27	0.29
WS-12/ 8 kW		71.00	36.98	0.60
Aeolos-V 10kW		219.86	91.61	0.24
