

EW50 Wind Turbine
Expected Annual Net Energy Production

Average Wind Speed		Annual Energy Output (kWh), Weibull distribution k=2.0, Select Elevations						
m/s	mph	Sea Level	1000'	2000'	3000'	4000'	5000'	6000'
4	8.9	33000	32000	31000	30000	29000	28000	27000
4.1	9.2	36000	34000	33000	32000	31000	30000	29000
4.2	9.4	39000	37000	36000	35000	34000	33000	32000
4.3	9.6	43000	41000	40000	39000	37000	36000	35000
4.4	9.8	47000	45000	44000	42000	41000	40000	38000
4.5	10.1	51000	49000	47000	46000	44000	43000	41000
4.6	10.3	55000	53000	51000	50000	48000	46000	45000
4.7	10.5	59000	57000	55000	53000	51000	50000	48000
4.8	10.7	63000	61000	59000	57000	55000	53000	51000
4.9	11	67000	65000	63000	61000	59000	57000	55000
5	11.2	71000	68000	66000	64000	62000	60000	58000
5.1	11.4	76000	73000	71000	69000	66000	64000	62000
5.2	11.6	80000	77000	75000	72000	70000	68000	65000
5.3	11.8	85000	82000	79000	77000	74000	72000	69000
5.4	12.1	90000	87000	84000	81000	79000	76000	73000
5.5	12.3	94000	91000	88000	85000	82000	80000	77000
5.6	12.5	99000	96000	93000	90000	87000	84000	81000
5.7	12.7	104000	100000	97000	94000	91000	88000	85000
5.8	13	109000	105000	102000	99000	96000	92000	89000
5.9	13.2	114000	110000	107000	103000	100000	97000	93000
6	13.4	119000	115000	111000	108000	104000	101000	97000
6.1	13.6	123000	119000	115000	112000	108000	104000	101000
6.2	13.9	128000	124000	120000	116000	112000	108000	105000
6.3	14.1	133000	129000	125000	121000	117000	113000	109000
6.4	14.3	138000	133000	129000	125000	121000	117000	113000
6.5	14.5	143000	138000	134000	130000	126000	121000	117000
6.6	14.8	148000	143000	139000	134000	130000	126000	121000
6.7	15	153000	148000	143000	139000	134000	130000	125000
6.8	15.2	158000	153000	148000	143000	139000	134000	129000
6.9	15.4	162000	157000	152000	147000	142000	137000	133000
7	15.6	167000	162000	157000	152000	147000	142000	137000
7.1	15.9	172000	166000	161000	156000	151000	146000	141000
7.2	16.1	177000	171000	166000	161000	155000	150000	145000
7.3	16.3	181000	175000	170000	164000	159000	154000	148000
7.4	16.5	186000	180000	174000	169000	163000	158000	152000

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7.5	16.8	190000	184000	178000	173000	167000	161000	156000
7.6	17	195000	189000	183000	177000	171000	166000	160000
7.7	17.2	199000	193000	187000	181000	175000	169000	163000
7.8	17.4	204000	197000	191000	185000	179000	173000	167000
7.9	17.7	208000	201000	195000	189000	183000	177000	170000
8	17.9	212000	205000	199000	193000	186000	180000	174000
8.1	18.1	216000	209000	203000	196000	190000	183000	177000
8.2	18.3	220000	213000	206000	200000	193000	187000	180000
8.3	18.6	224000	217000	210000	204000	197000	190000	184000
8.4	18.8	228000	221000	214000	207000	200000	194000	187000
8.5	19	232000	225000	218000	211000	204000	197000	190000
8.6	19.2	236000	228000	221000	214000	207000	200000	193000
8.7	19.4	239000	231000	224000	217000	210000	203000	196000
8.8	19.7	243000	235000	228000	221000	214000	206000	199000
8.9	19.9	246000	238000	231000	224000	216000	209000	202000
9	20.1	250000	242000	235000	227000	220000	212000	205000
9.1	20.3	253000	245000	237000	230000	222000	215000	207000
9.2	20.6	256000	248000	240000	233000	225000	217000	210000
9.3	20.8	259000	251000	243000	235000	228000	220000	212000
9.4	21	262000	254000	246000	238000	230000	223000	215000
9.5	21.2	265000	257000	249000	241000	233000	225000	217000
9.6	21.5	268000	260000	252000	244000	236000	228000	220000
9.7	21.7	271000	262000	254000	246000	238000	230000	222000
9.8	21.9	273000	264000	256000	248000	240000	232000	224000
9.9	22.1	276000	267000	259000	251000	243000	234000	226000
10	22.4	278000	269000	261000	253000	244000	236000	228000
10.1	22.6	281000	272000	264000	255000	247000	239000	230000
10.2	22.8	283000	274000	266000	257000	249000	240000	232000
10.3	23	285000	276000	268000	259000	251000	242000	234000
10.4	23.2	287000	278000	269000	261000	252000	244000	235000
10.5	23.5	289000	280000	271000	263000	254000	246000	237000
10.6	23.7	291000	282000	273000	265000	256000	247000	239000
10.7	23.9	292000	283000	274000	265000	257000	248000	239000
10.8	24.1	294000	285000	276000	267000	259000	250000	241000
10.9	24.4	296000	287000	278000	269000	260000	252000	243000
11	24.6	297000	288000	279000	270000	261000	252000	244000