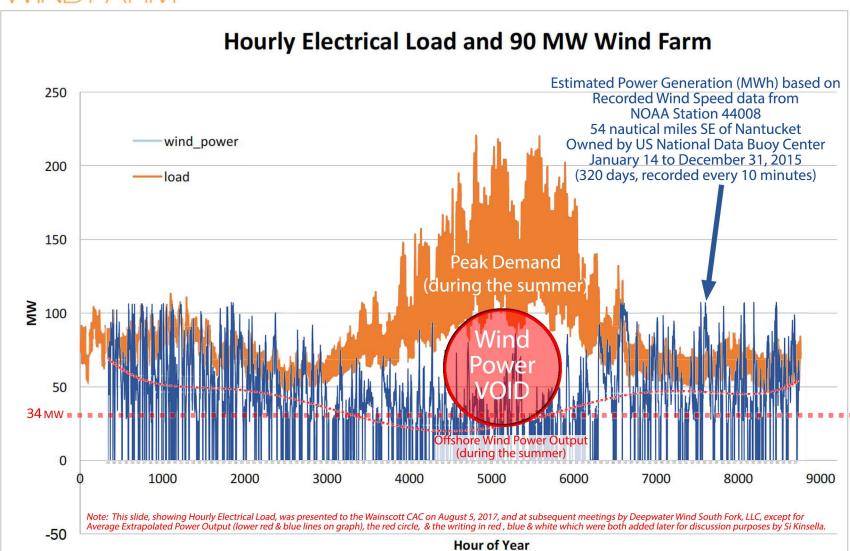


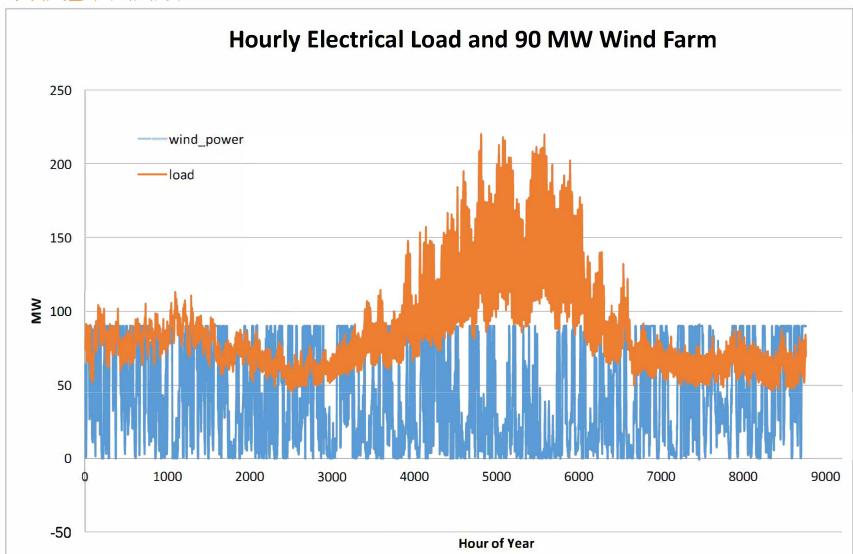
The Wind Farm will be a major source of local SK - Exhibit 12 (page 1 of 38) energy for the South Fork



Source: Independent study by Dr. James Manwell of the University of Massachusetts conducted on behalf of Newsday



The Wind Farm will be a major source of local SK - Exhibit 12 (page 2 of 38) energy for the South Fork

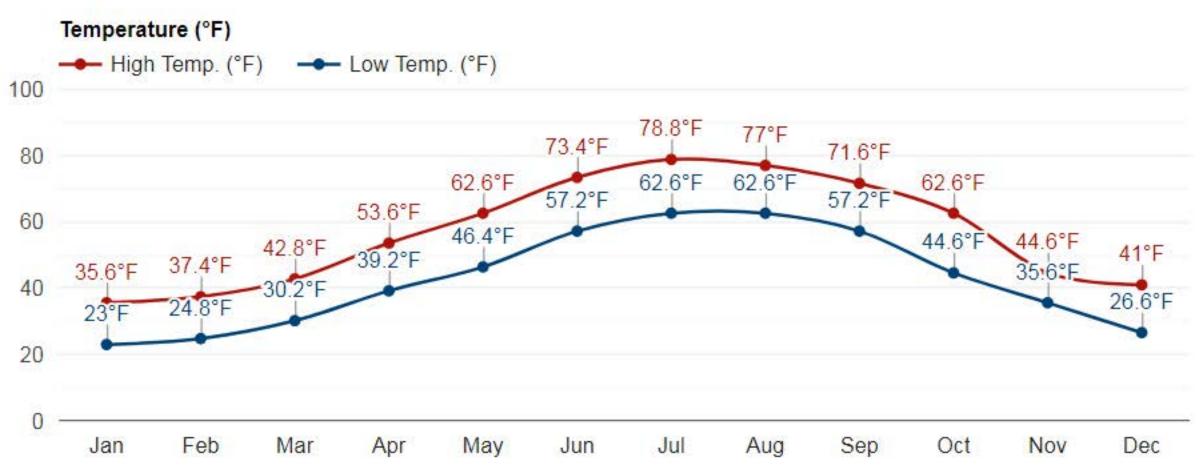


Source: Independent study by Dr. James Manwell of the University of Massachusetts conducted on behalf of Newsday



A / New York, USA / East Hampton / Climate data





The average high temperature in January: 35.6°F The average high temperature in February: 37.4°F The average high temperature in March: 42.8°F The average high temperature in April: 53.6°F The average high temperature in May: 62.6°F The average high temperature in June: 73.4°F

The average high temperature in July: 78.8°F The average high temperature in August: 77°F The average high temperature in September: 71.6°F The average high temperature in October: 62.6°F The average high temperature in November: 44.6°F The average high temperature in December: 41°F

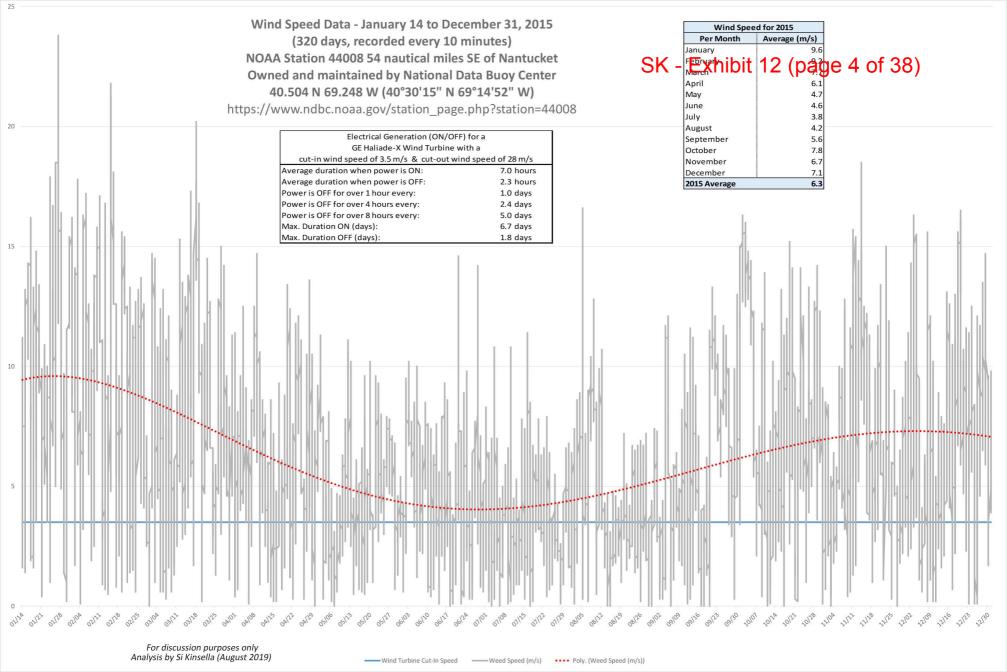
The warmest month (with the highest average high temperature) is July (78.8°F). The month with the lowest average high temperature is January (35.6°F).

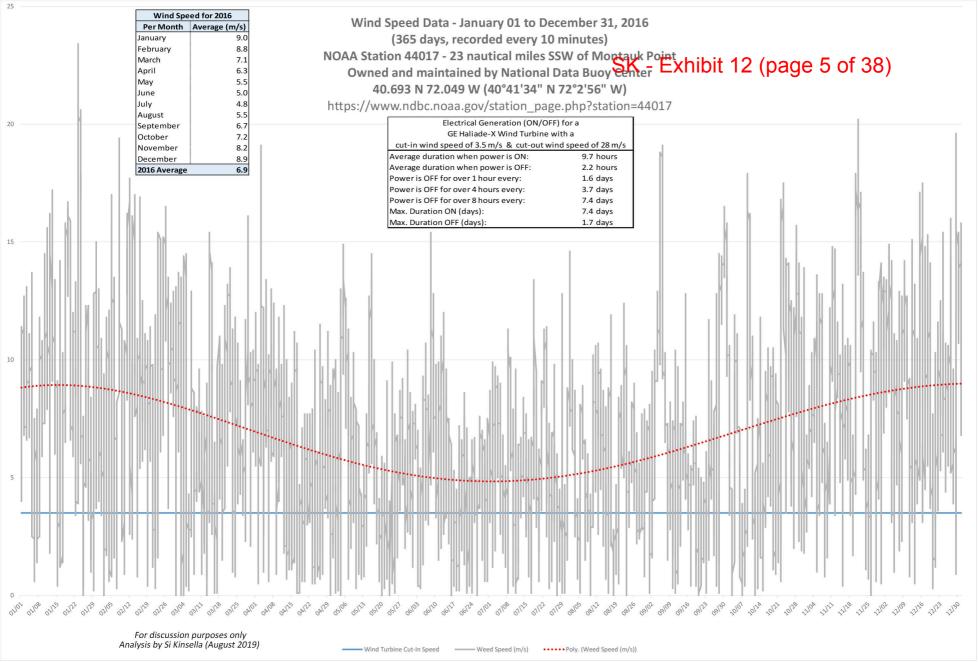
The average low temperature in January: 23°F The average low temperature in February: 24.8°F The average low temperature in March: 30.2°F The average low temperature in April: 39.2°F The average low temperature in May: 46.4°F The average low temperature in June: 57.2°F

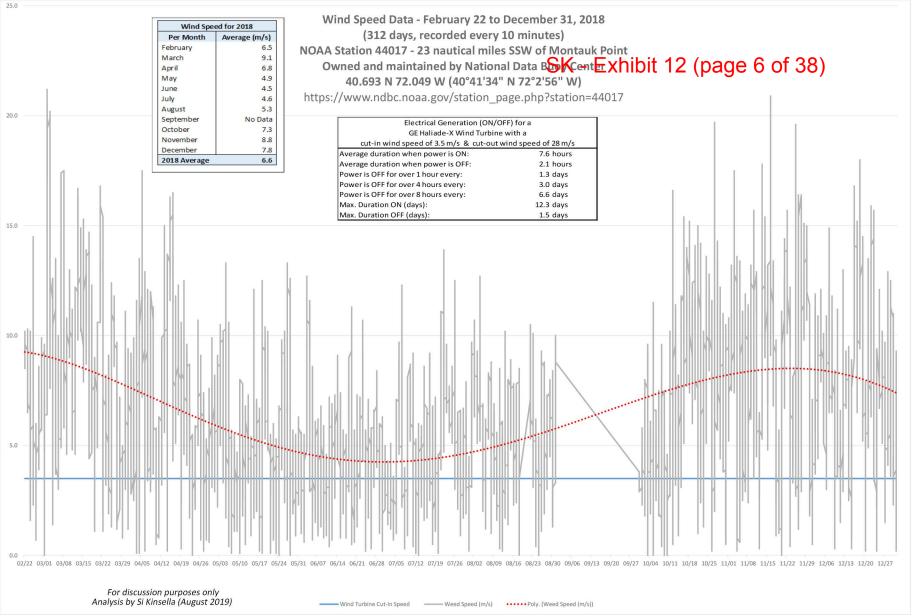
The average low temperature in July: 62.6°F The average low temperature in August: 62.6°F The average low temperature in September: 57.2°F The average low temperature in October: 44.6°F The average low temperature in November: 35.6°F The average low temperature in December: 26.6°F

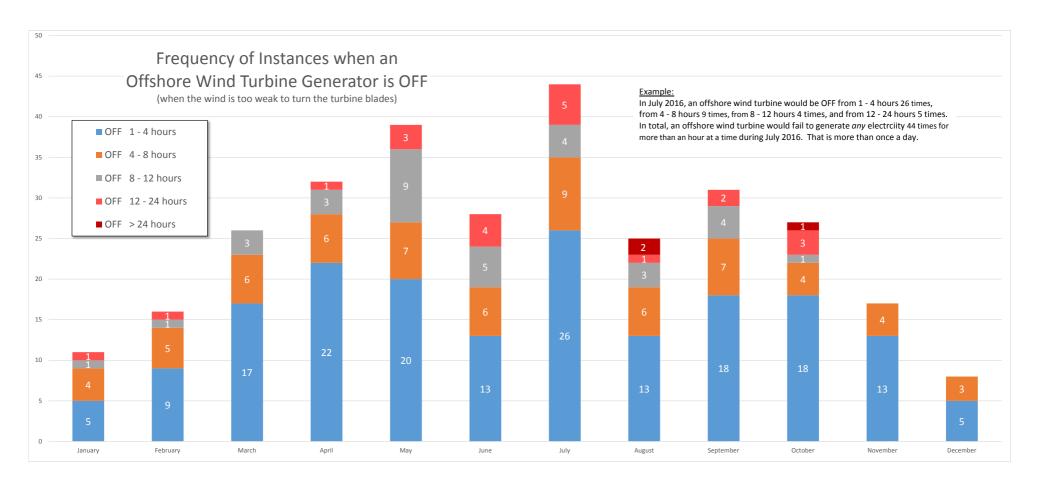
Months with the highest average low temperature are July and August (62.6°F). The coldest month (with the lowest average low temperature) is January (23°F).

[Resources]









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						(1 0	,
	ON	OFF		> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
	(10 mins intervals)	(10 mins intervals)	OFF (mins)	(mins)	(mins)	(mins)	(mins)
Number of instances	541	540	540	192	71	31	12
Averages	50.01	11.39	113.9	277.6	532.7	751.6	973.3
Maximum	1,133	203	2,030	2,030	2,030	2,030	2,030

		Siemei	ns Gamesa 8MW W	/TG (SG 8.0-167 D	D)			
		cut-in wind	d speed of 3.0 m/s cu	it-out wind speed of 25	s m/s			
		ON	OFF					
Maximum	Date	Sep 25, 2017	Aug 04, 2016					
Continuous	Mins	11,330	2,030					
Duration	Hours	189	34	OFF ALL	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
Duration	Days	7.9	1.4	(mins)	(mins)	(mins)	(mins)	(mins)
Average	Number	541	540	540	192	71	31	12
Continuous	Mins	500	114	114	278	533	752	973
Duration	Hours	8.3	1.9	1.9	4.6	8.9	12.5	16.2
Duration	Days	0.3	0.1	0.1	0.2	0.4	0.5	0.7
Data Start Date:			Apr 12, 2017	Dec 31, 2016				
Data End Date:		Nov 30, 2017	Dec 31, 2017					
Number of days:			232 days	365 days				
Total number of p	ossible reading	S:	33,408	52,560				
Total number of a	ctual readings:		33,209	33,209				
Wind data covera	ge (%):		99.4%	63.2%		2017		
Average duration	when power is	ON:	8.3 ho	ours	NOA	A Station 4	100g	
Average duration	when power is	OFF:	1.9 ho	ours		heast of Nant		
Power is OFF for c	over 1 hour eve	ry:	1.2 da	ays	(40°30)'15" N 69°14'.	52" W)	
Power is OFF for over 4 hours every:		ery:	3.3 da	ays	ys <u>Anemometer height</u>		ight_	
Power is OFF for over 8 hours every:		7.5 da	ays	5 m a	above site elev	ation/		
ower is OFF for over 12 hours every:		19.3 da	ays					
					https://www.ndbc.noaa.gov/station_page.			
Max. Du	ıration ON:	189 hours	7.9 days		pl	hp?station=440	08	
Max. Du	ration OFF:	34 hours	1.4 days					

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							,
	ON	OFF		> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
	(10 mins intervals)	(10 mins intervals)	OFF (mins)	(mins)	(mins)	(mins)	(mins)
Number of instances	624	623	623	216	69	25	15
Averages	52.68	10.23	102.3	249.4	506.2	820.4	969.3
Maximum	1,246	258	2,580	2,580	2,580	2,580	2,580

			ns Gamesa 8MW W	<u>-</u>	-			
		ON Cut-in win	d speed of 3.0 m/s cut-	out wind speed of 25	m/s			
	Date	Mar 01, 2016	Aug 10, 2016					
Maximum	Mins	12,460	2,580			Turbii	ne OFF	
Continuous	Hours	208	43	OFF ALL	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
Duration	Days	8.7	1.8	(mins)	(mins)	(mins)	(mins)	(mins)
	Number	624	623	623	216	69	25	1
Average	Mins	527	102	102	249	506	820	96
Continuous	Hours	8.8	1.7	1.7	4.2	8.4	13.7	16.
Duration	Days	0.4	0.1	0.1	0.2	0.4	0.6	0.
Data Start Date:			Dec 31, 2015	Dec 31, 2015				
Data End Date:			Sep 30, 2016	Dec 31, 2016				
Number of days:			274 days	366 days				
Total number of p	ossible readings	:	39,456	52,704				
Total number of a	ctual readings:		39,241	39,241				
Wind data coverag	ge (%):		99.5%	74.5%		2016		
Average duration v	when power is (ON:	8.8 hou	ırs	NOA			
Average duration v	•		1.7 hou	ırs		A Station 4		
-	·		4.0			heast of Nant		
Power is OFF for o		•	1.3 day		(40°30'15" N 69°14'52" W)			
Power is OFF for over 4 hours every:		4.0 day		·	emometer he			
Power is OFF for over 8 hours every:		11.0 day		5 m a	above site elev	ation		
Power is OFF for o	ower is OFF for over 12 hours every:		18.3 day		https://www.	ndhe noon	letation name	
May Du	Mary Donation ON		9.7 days		https://www.ndbc.noaa.gov/station_page. php?station=44008			
	Max. Duration ON: 208 hours Max. Duration OFF: 43 hours		8.7 days 1.8 days	8.7 days				

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						·. •	
	ON	OFF		> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
	(10 mins intervals)	(10 mins intervals)	OFF (mins)	(mins)	(mins)	(mins)	(mins)
Number of instances	852	852	852	309	93	46	22
Averages	48.27	10.95	109.5	262.2	569.5	818.7	1,075.0
Maximum	1,090	170	1,700	1,700	1,700	1,700	1,700

		Siemer	ns Gamesa 8MW W	TG (SG 8.0-167 D	D)			
		cut-in wind	d speed of 3.0 m/s cut	out wind speed of 25	s m/s			
		ON	OFF					
Maximum	Date	Sep 28, 2015	Jul 29, 2015					
Continuous	Mins	10,900	1,700			e OFF		
Duration	Hours	182	28	OFF ALL	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
Duration	Days	7.6	1.2	(mins)	(mins)	(mins)	(mins)	(mins)
Average	Number	852	852	852	309	93	46	22
Continuous	Mins	483	109	109	262	569	819	1,075
Duration	Hours	8.0	1.8	1.8	4.4	9.5	13.6	17.9
Duration	Days	0.3	0.1	0.1	0.2	0.4	0.6	0.7
Data Start Date:			Jan 14, 2015	Dec 31, 2014				
Data End Date:			Dec 31, 2015	Dec 31, 2015				
Number of days:			351 days	365 days				
Total number of p	ossible reading	S:	50,544	52,560				
Total number of a	•		50,448	50,448				
Wind data covera	ge (%):		99.8%	96.0%		2015		
Average duration	when power is	ON:	8.0 ho	urs				
Average duration	when power is	OFF:	1.8 ho	urs		A Station 4		
						heast of Nantu		
Power is OFF for o	ver 1 hour ever	ry:	1.1 da	ys	•	'15" N 69°14'5	•	
Power is OFF for o	over 4 hours eve	ery:	3.8 da	ys		emometer hei		
Power is OFF for o	Power is OFF for over 8 hours every:			ys	5 m a	bove site elev	ation	
Power is OFF for o	ver 12 hours ev	very:	16.0 da	ys				
·			•	•	ndbc.noaa.gov/			
Max. Du	ration ON:	182 hours	7.6 days		ph	p?station=4400	18	
Max. Du	ration OFF:	28 hours	1.2 days					

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	ON (10 mins intervals)	OFF (10 mins intervals)	OFF (mins)	> 0.5 hrs (mins)	> 1 hrs (mins)	> 4 hrs (mins)	> 8 hrs (mins)	> 12 hrs (mins)
Number of instances	218	217	217	99	72	26	10	2
Averages	73.41	10.06	100.6	201.0	258.2	485.0	709.0	1,365.0
Maximum	997	184	1,840	1,840	1,840	1,840	1,840	1,840

			iemens Gamesa 8M		-					
			-in wind speed of 3.0 m/s	cut-out wind spe	ed of 25 m/s					
		ON	OFF							
Maximum	Date	Jan 16, 2019	Feb 05, 2019							
Continuous	Mins	9,970	1,840		Turbine OFF					
Duration	Hours	166	31	OFF ALL	> 0.5 hrs	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs	
Duration	Days	6.9	1.3	(mins)	(mins)	(mins)	(mins)	(mins)	(mins)	
Numbe	er	218	217	217	99	72	26	10	2	
Average	Mins	734	101	101	201	258	485	709	1,365	
Continuous	Hours	12.2	1.7	1.7	3.4	4.3	8.1	11.8	22.8	
Duration	Days	0.5	0.1	0.1	0.1	0.2	0.3	0.5	0.9	
Data Start Date: Data End Date: Number of days: Total number of po Total number of ac Wind data coverag	ctual readings: se (%):		Dec 31, 2018 May 08, 2019 128 days 18,432 18,187 98.7%	Dec 31, 2018 Dec 31, 2019 365 days 52,560 18,187 34.6%		20	19			
Average duration v	•		12.2 ho							
Average duration v	·		1.7 ho		2		tion 44017 Montauk Poi			
Power is OFF for o		•	1.3 day	•		(40°41'34" N	I 72°2'56" W)			
Power is OFF for o	•		1.8 day	-		Anemome	eter height			
Power is OFF for o		•		4.9 days 4.1 m above site elevation						
Power is OFF for o		•	12.8 day	•						
Power is OFF for o	ver 12 hours eve	ery:	64.0 day	ys	https://www.i		/station_page.p 17	ohp?station=44	4	
Max. Dur	ation ON:	166 hours	6.9 days							
Max. Dur	ation OFF:	31 hours	1.3 days							

SK - Exhibit 12 (page 12 of 38)

	ON (10 mins intervals)	OFF (10 mins intervals)	OFF (mins)	> 0.5 hrs (mins)	> 1 hrs (mins)	> 4 hrs (mins)	> 8 hrs (mins)	> 12 hrs (mins)
Number of instances	659	658	658	325	233	83	30	12
Averages	54.29	10.88	108.8	203.0	264.3	492.9	707.7	947.5
Maximum	2,051	147	1,470	1,470	1,470	1,470	1,470	1,470

			Siemens Gamesa 8M		-					
		cut	-in wind speed of 3.0 m/s	cut-out wind spe	ed of 25 m/s					
		ON	OFF							
Maximum	Date	Mar 19, 2018	Sep 18, 2018							
Continuous	Mins	20,510	1,470		Turbine OFF					
Duration	Hours	342	25	OFF ALL	> 0.5 hrs	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs	
Duration	Days	14.2	1.0	(mins)	(mins)	(mins)	(mins)	(mins)	(mins)	
Numbe	er	659	658	658	325	233	83	30	12	
Average	Mins	543	109	109	203	264	493	708	948	
Continuous	Hours	9.0	1.8	1.8	3.4	4.4	8.2	11.8	15.8	
Duration	Days	0.4	0.1	0.1	0.1	0.2	0.3	0.5	0.7	
Data Start Date: Data End Date: Number of days: Total number of portion of portion of the data coverage.	ctual readings: ge (%):		Feb 22, 2018 Dec 31, 2018 312 days 44,928 42,936 95.6%	Dec 31, 2017 Dec 31, 2018 365 days 52,560 42,936 81.7%		20	18			
Average duration v	•		9.0 ho							
Average duration v	·		1.8 ho		2		tion 44017 Montauk Poi	-"		
Power is OFF for o		•	1.0 day	•		(40°41'34" N	I 72°2'56" W)			
Power is OFF for o		•	1.3 day	•		Anemome	eter height			
Power is OFF for o		•		3.8 days 4.1 m above site elevation						
Power is OFF for o		•	10.4 day	•						
Power is OFF for o	ver 12 hours ev	very:	26.0 day	ys	https://www.i		/station_page.p 17	ohp?station=44		
Max. Dui	ration ON:	342 hours	14.2 days							
Max. Dur	ation OFF:	25 hours	1 days							

SK - Exhibit 12 (page 13 of 38)

	ON (10 mins intervals)	OFF (10 mins intervals)	OFF (mins)	> 0.5 hrs (mins)	> 1 hrs (mins)	> 4 hrs (mins)	> 8 hrs (mins)	> 12 hrs (mins)
Number of instances	87	86	86	42	28	8	2	0
Averages	88.76	8.45	84.5	156.7	211.1	376.3	545.0	0.0
Maximum	987	56	560	560	560	560	560	0

		S	Siemens Gamesa	8MW WTG (SG 8.0	-167 DD)				
		cut	-in wind speed of 3.0	m/s cut-out wind spe	eed of 25 m/s	i			
		ON	OFF						
Maximum	Date	Jan 29, 2017	Feb 28, 2017						
Continuous	Mins	9,870	560				Turbine OFF	:	
Duration	Hours	165	9	OFF ALL	> 0.5 hrs	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
Duration	Days	6.9	0.4	(mins)	(mins)	(mins)	(mins)	(mins)	(mins)
Numbe	er	87	86	86	42	28	8	2	0
Average	Mins	888	85	85	157	211	376	545	0
Continuous	Hours	14.8	1.4	1.4	2.6	3.5	6.3	9.1	0.0
Duration	Days	0.6	0.1	0.1	0.1	0.1	0.3	0.4	0.0
Data Start Date: Data End Date:			Dec 31, 2016 Feb 28, 2017	· ·					
Number of days:			59 days	· · · · · · · · · · · · · · · · · · ·	=				ļ
Total number of po	ssible reading	zs:	8,496	•					
Total number of ac	-		8,449	•					
Wind data coverag	•		99.4%	·		20	17		
Average duration v	vhen power is	ON:	14.8	hours					
Average duration v	vhen power is	OFF:	1.4	hours		NOAA Sta	tion 44017	,	
					2	23 NM SSW of		•	ļ
Power is OFF for ov	er 0.5 hour e	very:	1.4	days		(40°41'34" N	N 72°2'56" W)		
Power is OFF for ov	er 1 hour eve	ery:	2.1	. days		•	eter height		
Power is OFF for ov	ver 4 hours ev	ery:	7.4	7.4 days 4.1 m above site elevation				1	
Power is OFF for ov	ver 8 hours ev	ery:	29.5	days					
Power is OFF for ov	ver 12 hours e	very:	#DIV/0!	days	https://www.	_	/station_page. 17	php?station=44	
Max. Dur	ation ON:	165 hours	6.9 days	i					
Max. Dur	ation OFF:	9 hours	0.4 days	;					

SK - Exhibit 12 (page 14 of 38)

	ON (10 mins intervals)	OFF (10 mins intervals)	OFF (mins)	> 0.5 hrs (mins)	> 1 hrs (mins)	> 4 hrs (mins)	> 8 hrs (mins)	> 12 hrs (mins)
Number of instances	666	665	665	341	248	89	35	10
Averages	66.92	11.28	112.8	205.0	263.5	490.3	726.3	946.0
Maximum	1,225	160	1,600	1,600	1,600	1,600	1,600	1,600

		!	Siemens Gamesa 8N	иw wtg (sg 8.0-	167 DD)				
		cu	t-in wind speed of 3.0 m/	/s cut-out wind spe	ed of 25 m/s				
		ON	OFF						
Maximum	Date	Jan 25, 2016	Aug 19, 2016						
Continuous	Mins	12,250	1,600				Turbine OFF		
Duration	Hours	204	27	OFF ALL	> 0.5 hrs	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
Duration	Days	8.5	1.1	(mins)	(mins)	(mins)	(mins)	(mins)	(mins)
Numbe	er	666	665	665	341	248	89	35	10
Average	Mins	669	113	113	205	263	490	726	946
Continuous	Hours	11.2	1.9	1.9	3.4	4.4	8.2	12.1	15.8
Duration	Days	0.5	0.1	0.1	0.1	0.2	0.3	0.5	0.7
Data Start Date: Data End Date: Number of days: Total number of ac Total number of ac Wind data coverag	ctual readings: ge (%):		Dec 31, 2015 Dec 31, 2016 366 days 52,704 52,064 98.8%	Dec 31, 2015 Dec 31, 2016 366 days 52,704 52,064 98.8%		20	16		
Average duration v	when power is	ON:	11.2 h	ours					
Average duration v	when power is	OFF:	1.9 h	ours	2		tion 44017 Montauk Poi		
Power is OFF for o	ver 0.5 hour ev	very:	1.1 d	ays		(40°41'34" N	l 72°2'56" W)		
Power is OFF for o	ver 1 hour eve	ry:	1.5 d	ays		•	eter height		
Power is OFF for o	ver 4 hours eve	ery:	4.1 d	ays	4.1 m above site elevation				
Power is OFF for o	ver 8 hours ev	ery:	10.5 d	ays					
Power is OFF for o	ver 12 hours e	very:	36.6 d	ays	https://www.	_	/station_page.¡ 17	ohp?station=44	
Max. Dui	ration ON:	204 hours	8.5 days						
Max. Dui	ration OFF:	27 hours	1.1 days						

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	ON	OFF		> 0.5 hrs	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
	(10 mins intervals)	(10 mins intervals)	OFF (mins)	(mins)	(mins)	(mins)	(mins)	(mins)
Number of instances	537	536	536	265	178	70	25	8
Averages	55.89	10.68	106.8	199.2	273.2	485.0	733.6	1,091.3
Maximum	1,178	195	1,950	1,950	1,950	1,950	1,950	1,950

		cut	Siemens Gamesa 8N -in wind speed of 3.0 m/	MW WTG (SG 8.0-167	•					
		ON	OFF	s cut-out wind spec	eu oi 25 iii/s					
	Date	Oct 21, 2015	Sep 17, 2015							
Maximum	Mins	11,780	1,950				Turbine OFF			
Continuous	Hours	196	33	OFF ALL	> 0.5 hrs	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs	
Duration	Days	8.2	1.4	(mins)	(mins)	(mins)	(mins)	(mins)	(mins)	
Numb	er	537	536	536	265	178	70	25	8	
Average	Mins	559	107	107	199	273	485	734	1,091	
Continuous	Hours	9.3	1.8	1.8	3.3	4.6	8.1	12.2	18.2	
Duration	Days	0.4	0.1	0.1	0.1	0.2	0.3	0.5	0.8	
Data Start Date: Data End Date: Number of days: Total number of a Wind data coverage Average duration	ctual readings: ge (%): when power is	ON:	Apr 26, 2015 Dec 31, 2015 249 days 35,856 35,734 99.7% 9.3 ho 1.8 ho			NOAA Sta	15	•		
Power is OFF for o		•	0.9 da 1.4 da	•	2	•	I 72°2'56" W)			
Power is OFF for o		•	3.6 da	•	Anemometer height 4.1 m above site elevation					
Power is OFF for o		•	10.0 da			4.1 III above	site elevation			
Power is OFF for o		•	31.1 da	•	https://www.i	ndbc.noaa.gov, 0	/station_page.p 17	ohp?station=44	1	
Max. Du	ration ON:	196 hours	8.2 days							
Max. Du	ration OFF:	33 hours	1.4 days							

SK - Exhibit 12 (page 16 of 38)

	ON (10 mins intervals)	OFF (10 mins intervals)	OFF (mins)	> 0.5 hrs (mins)	> 1 hrs (mins)	> 4 hrs (mins)	> 8 hrs (mins)	> 12 hrs (mins)
Number of instances	484	483	483	241	164	42	8	1
Averages	100.25	8.32	83.2	150.8	198.5	397.6	607.5	870.0
Maximum	1,129	87	870	870	870	870	870	870

				BMW WTG (SG 8.0-167	•				
	1		-in wind speed of 3.0 m	/s cut-out wind spe	ed of 25 m/s				
		ON	OFF						
Maximum	Date	Oct 06, 2015	Sep 12, 2015						
Continuous	Mins	11,290	870				Turbine OFF		
Duration	Hours	188	15	OFF ALL	> 0.5 hrs	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
	Days	7.8	0.6	(mins)	(mins)	(mins)	(mins)	(mins)	(mins)
Numbe	er	484	483	483	241	164	42	8	1
Average	Mins	1,003	83	83	151	198	398	608	870
Continuous	Hours	16.7	1.4	1.4	2.5	3.3	6.6	10.1	14.5
Duration	Days	0.7	0.1	0.1	0.1	0.1	0.3	0.4	0.6
Data Start Date:			Dec 31, 2014	Dec 31, 2014					
Data End Date:			<u>Dec 31, 2015</u>	<u>Dec 31, 2015</u>					
Number of days:			365 days	365 days					
Total number of po	_	5:	52,560	52,560					
Total number of ac	•		52,539	52,539					
Wind data coverag	ge (%):		100.0%	100.0%		20	15		
Average duration v	when power is (ON:	16.7 h	nours					
Average duration v	when power is (OFF:	1.4 h	ours		NOAA Stat	ion BUZM3		
						Buzzards	Bay, MA		
Power is OFF for ov	ver 0.5 hour eve	ery:	1.5 d	lays		(41°23'48" I	N 71°2'0" W)		
Power is OFF for o	ver 1 hour ever	y:	2.2 d	lays		<u>Anemo</u> me	eter height		
Power is OFF for ov	ver 4 hours eve	ry:	8.7 d	lays		24.8 m above	site elevation	า	
Power is OFF for ov	ver 8 hours eve	ry:	45.6 d	lays					
Power is OFF for o	ver 12 hours ev	rery:	365.0 d	lays	https://www.r	_	/station_page.p m3	ohp?station=bu	ł
Max. Dur	ration ON:	188 hours	7.8 days						
Max. Dur	ation OFF:	15 hours	0.6 days						

SK - Exhibit 12 (page 17 of 38)

	ON (10 mins intervals)	OFF (10 mins intervals)	OFF (mins)	> 0.5 hrs (mins)	> 1 hrs (mins)	> 4 hrs (mins)	> 8 hrs (mins)	> 12 hrs (mins)
Number of instances	587	586	586	293	197	56	10	1
Averages	81.00	8.60	86.0	155.1	207.7	395.2	602.0	780.0
Maximum	1,148	78	780	780	780	780	780	780

		cut	Siemens Gamesa 8N -in wind speed of 3.0 m/	MW WTG (SG 8.0-167 s cut-out wind spe	•				
		ON	OFF		, ,				
N.4 i	Date	Mar 1, 2016	Aug 4, 2016						
Maximum	Mins	11,480	780				Turbine OFF		
Continuous	Hours	191	13	OFF ALL	> 0.5 hrs	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
Duration	Days	8.0	0.5	(mins)	(mins)	(mins)	(mins)	(mins)	(mins)
Numbe	er	587	586	586	293	197	56	10	1
Average	Mins	810	86	86	155	208	395	602	780
Continuous	Hours	13.5	1.4	1.4	2.6	3.5	6.6	10.0	13.0
Duration	Days	0.6	0.1	0.1	0.1	0.1	0.3	0.4	0.5
Data Start Date: Data End Date: Number of days: Total number of portion of the data coverage Average duration v	ctual readings: ge (%): when power is 0	ON:	Dec 31, 2015 Dec 31, 2016 366 days 52,704 52,582 99.8%			20	16		
Average duration vector of the contraction of the c	·		1.4 hc			Buzzards	ion BUZM3 Bay, MA N 71°2'0" W)		
Power is OFF for o		•	1.9 da	•		•	eter height		
Power is OFF for o		•	6.5 da	•		24.8 m above		า	
Power is OFF for o			36.6 da	•				•	
Power is OFF for o	ver 12 hours ev	very:	366.0 da	ays	https://www.i	_	/station_page.p n3	ohp?station=bu	I
Max. Dur	ration ON:	191 hours	8 days						
Max. Dur	ration OFF:	13 hours	0.5 days						

SK - Exhibit 12 (page 18 of 38)

	ON (10 mins intervals)	OFF (10 mins intervals)	OFF (mins)	> 0.5 hrs (mins)	> 1 hrs (mins)	> 4 hrs (mins)	> 8 hrs (mins)	> 12 hrs (mins)
Number of instances	593	592	592	285	193	39	4	2
Averages	80.92	7.34	73.4	135.0	177.1	384.6	872.5	1,240.0
Maximum	1,415	127	1,270	1,270	1,270	1,270	1,270	1,270

				3MW WTG (SG 8.0-167	•				
		ī	t-in wind speed of 3.0 m	/s cut-out wind spe	ed of 25 m/s				
		ON	OFF						
Maximum	Date	Feb 21, 2017	Aug 11, 2017						
Continuous	Mins	14,150	1,270				Turbine OFF		
Duration	Hours	236	21	OFF ALL	> 0.5 hrs	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
Daration	Days	9.8	0.9	(mins)	(mins)	(mins)	(mins)	(mins)	(mins)
Numbe	er	593	592	592	285	193	39	4	2
Average	Mins	809	73	73	135	177	385	873	1,240
Continuous	Hours	13.5	1.2	1.2	2.3	3.0	6.4	14.5	20.7
Duration	Days	0.6	0.1	0.1	0.1	0.1	0.3	0.6	0.9
Data Start Date:			Dec 31, 2016	Dec 31, 2016					
Data End Date:			Dec 31, 2017	Dec 31, 2017					
Number of days:			365 days	365 days					
Total number of po	_	s:	52,560	52,560					
Total number of ac	tual readings:		52,329	52,329					
Wind data coverag	e (%):		99.6%	99.6%		20	17		
						20	' ' '		
Average duration v	-		13.5 h						
Average duration v	when power is (OFF:	1.2 h	nours			ion BUZM3		
							Bay, MA		
Power is OFF for o		•	1.3 c	•		(41°23'48" i	N 71°2'0" W)		
Power is OFF for o		•	1.9 c	•		Anemome	eter height		
Power is OFF for over 4 hours every: 9.4 days 24.8 m above site e					site elevation	1			
Power is OFF for o		•	91.3 c	•					
Power is OFF for o	ver 12 hours ev	very:	182.5 c	days	https://www.r	_	/station_page.p m3	hp?station=bu	ı
Max. Dur	ration ON:	236 hours	9.8 days						
Max. Dur	ation OFF:	21 hours	0.9 days						

SK - Exhibit 12 (page 19 of 38)

	ON (10 mins intervals)	OFF (10 mins intervals)	OFF (mins)	> 0.5 hrs (mins)	> 1 hrs (mins)	> 4 hrs (mins)	> 8 hrs (mins)	> 12 hrs (mins)
Number of instances	554	553	553	262	180	50	12	2
Averages	85.78	8.37	83.7	157.1	206.7	389.6	602.5	805.0
Maximum	1,282	83	830	830	830	830	830	830

		cut	Siemens Gamesa 8N in wind speed of 3.0 m/s-	AW WTG (SG 8.0-167 cut-out wind spe	•				
		ON	OFF	·	<u> </u>				
N.4i	Date	Mar 20, 2018	May 30, 2018						
Maximum	Mins	12,820	830				Turbine OFF		
Continuous	Hours	214	14	OFF ALL	> 0.5 hrs	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
Duration	Days	8.9	0.6	(mins)	(mins)	(mins)	(mins)	(mins)	(mins)
Numbe	er	554	553	553	262	180	50	12	2
Average	Mins	858	84	84	157	207	390	603	805
Continuous	Hours	14.3	1.4	1.4	2.6	3.4	6.5	10.0	13.4
Duration	Days	0.6	0.1	0.1	0.1	0.1	0.3	0.4	0.6
Data Start Date: Data End Date: Number of days: Total number of po Total number of ac	_	s:	Dec 31, 2017 <u>Dec 31, 2018</u> 365 days 52,560 52,152	Dec 31, 2017 <u>Dec 31, 2018</u> 365 days 52,560 52,152					
Wind data coverag	e (%):		99.2%	99.2%		20	18		
Average duration v	when power is (ON:	14.3 ho	urs					
Average duration v	when power is (OFF:	1.4 ho	urs			ion BUZM3 Bay, MA		
Power is OFF for o	ver 0.5 hour ev	ery:	1.4 da	ys		(41°23'48" l	N 71°2'0" W)		
Power is OFF for o	ver 1 hour ever	ry:	2.0 da	ys		Anemome	eter height		
Power is OFF for o	ver 4 hours eve	ery:	7.3 da	ys		24.8 m above	site elevation	n	
Power is OFF for over 8 hours every: 30.4 days									
Power is OFF for o	ver 12 hours ev	very:	182.5 da	ys	https://www.i	ndbc.noaa.gov, zr	/station_page.p m3	ohp?station=bu	
Max. Dur	ation ON:	214 hours	8.9 days						
Max. Dur	ation OFF:	14 hours	0.6 days						

SK - Exhibit 12 (page 20 of 38)

	ON (10 mins intervals)	OFF (10 mins intervals)	OFF (mins)	> 0.5 hrs (mins)	> 1 hrs (mins)	> 4 hrs (mins)	> 8 hrs (mins)	> 12 hrs (mins)
Number of instances	262	261	261	133	91	24	2	0
Averages	117.41	8.32	83.2	147.6	193.8	347.1	555.0	0.0
Maximum	1,043	58	580	580	580	580	580	0

		cut	ااہ Siemens Gamesa -in wind speed of 3.0 m	MW WTG (SG 8.0-167 s cut-out wind spe					
		ON	OFF		, ,				
N.4 i	Date	Oct 13, 2019	Mar 1, 2019						
Maximum	Mins	10,430	580				Turbine OFF		
Continuous	Hours	174	10	OFF ALL	> 0.5 hrs	> 1 hrs	> 4 hrs	> 8 hrs	> 12 hrs
Duration	Days	7.2	0.4	(mins)	(mins)	(mins)	(mins)	(mins)	(mins)
Numbe	er	262	261	261	133	91	24	2	0
Average	Mins	1,174	83	83	148	194	347	555	0
Continuous	Hours	19.6	1.4	1.4	2.5	3.2	5.8	9.3	0.0
Duration	Days	0.8	0.1	0.1	0.1	0.1	0.2	0.4	0.0
Data Start Date: Data End Date: Number of days: Total number of po Total number of ac	_	s:	Dec 31, 2018 <u>Dec 31, 2019</u> 365 days 52,560 32,934	Dec 31, 2018 Dec 31, 2019 365 days 52,560 32,934					
Wind data coverag	_		62.7%	62.7%		20	19		
Average duration v	when power is (ON:	19.6 hc	ours					
Average duration v	when power is (OFF:	1.4 ho	ours			ion BUZM3 Bay, MA		
Power is OFF for o	ver 0.5 hour ev	ery:	2.7 da	ays		(41°23'48" ľ	N 71°2'0" W)		
Power is OFF for o	ver 1 hour ever	ry:	4.0 da	ays		Anemome	eter height		
Power is OFF for o	ver 4 hours eve	ery:	15.2 da	ays		24.8 m above	site elevation	า	
Power is OFF for o	ver 8 hours eve	ery:	182.5 da	ays					
Power is OFF for o	ver 12 hours ev	very:	0.0 da	ays	https://www.i	_	/station_page.p n3	hp?station=bu	I
Max. Dur	ration ON:	174 hours	7.2 days						
Max. Dur	ation OFF:	10 hours	0.4 days						

SK - Exhibit 12 (page 21 of 38) Block Island Wind Farm

EIA.gov - Net Generation/Capacity Factor (monthly)

	Net		Net	Nameplate			
2017	Generation	Hours per	Generation	Capacity	Capacity		MMBtu/M
Months	(MWh)	Month	(MW)	(MW)	Factor	MMBtu	Wh
Jan-17	8,898	744	11.9597	30	39.9%	81,977	9.2130
Feb-17	7,801	672	11.6086	30	38.7%	71,871	9.2130
Mar-17	10,514	744	14.1317	30	47.1%	96,865	9.2130
Apr-17	6,904	720	9.5889	30	32.0%	63,607	9.2131
May-17	9,162	744	12.3145	30	41.0%	84,410	9.2131
Jun-17	9,932	720	13.7944	30	46.0%	91,504	9.2130
Jul-17	6,724	744	9.0376	30	30.1%	61,948	9.2130
Aug-17	5,712	744	7.6774	30	25.6%	52,625	9.2131
Sep-17	5,698	720	7.9139	30	26.4%	52,496	9.2131
Oct-17	10,195	744	13.7030	30	45.7%	93,927	9.2130
Nov-17	10,985	720	15.2569	30	50.9%	101,205	9.2130
Dec-17	11,826	744	15.8952	30	53.0%	108,953	9.2130
	104,351	8,760	11.9122	30	39.7%	961,388	9.2130

	Net		Net	Nameplate			
2018	Generation	Hours per	Generation	Capacity	Capacity		MMBtu/M
Months	(MWh)	Month	(MW)	(MW)	Factor	MMBtu	Wh
Jan-18	12,595	744	16.9288	30	56.4%	114,665	9.1040
Feb-18	11,358	672	16.9018	30	56.3%	103,403	9.1040
Mar-18	12,184	744	16.3763	30	54.6%	110,923	9.1040
Apr-18	10,763	720	14.9486	30	49.8%	97,986	9.1040
May-18	7,931	744	10.6599	30	35.5%	72,204	9.1040
Jun-18	7,329	720	10.1792	30	33.9%	66,723	9.1040
Jul-18	7,295	744	9.8051	30	32.7%	66,414	9.1040
Aug-18	6,547	744	8.7997	30	29.3%	59,604	9.1040
Sep-18	7,509	720	10.4292	30	34.8%	68,362	9.1040
Oct-18	11,341	744	15.2433	30	50.8%	103,248	9.1040
Nov-18	10,999	720	15.2764	30	50.9%	100,135	9.1040
Dec-18	11,511	744	15.4718	30	51.6%	104,796	9.1040
	117,362	8,760	13.3975	30	44.7%	1,068,463	9.1040

	Net		Net	Nameplate			
2019	Generation	Hours per	Generation	Capacity	Capacity		MMBtu/M
Months	(MWh)	Month	(MW)	(MW)	Factor	MMBtu	Wh
Jan-19	12,919	744	17.3642	30	57.9%	117,795	9.1180
Feb-19	9,955	672	14.8140	30	49.4%	90,770	9.1180
Mar-19	11,834	744	15.9059	30	53.0%	107,902	9.1180
Apr-19	11,102	720	15.4194	30	51.4%	101,228	9.1180
May-19	10,594	744	14.2392	30	47.5%	96,596	9.1180
Jun-19	7,974	720	11.0750	30	36.9%	72,707	9.1180
Jul-19	5,623	744	7.5578	30	25.2%	51,271	9.1181
Aug-19	6,171	744	8.2944	30	27.6%	56,267	9.1180
Sep-19	7,633	720	10.6014	30	35.3%	69,598	9.1180
Oct-19	11,026	744	14.8199	30	49.4%	100,535	9.1180
Nov-19	11,773	720	16.3514	30	54.5%	107,346	9.1180
Dec-19	11,188	744	15.0376	30	50.1%	102,012	9.1180
	117,792	8,760	13.4466	30	44.8%	1,074,027	9.1180

	Net		Net	Nameplate	Turk the tri	10 (. 00 -4
2020	Generation	Hours per	Generation	Capacity	Exhibit	12 (pag	€MMMu/QiT
Months	(MWh)	Month	(MW)	(MW)	Factor	MMBtu	Wh
Jan-20	11,762	744	15.8091	30	52.7%	107,081	9.1040
Feb-20	10,109	696	14.5244	30	48.4%	92,032	9.1040
Mar-20	13,219	744	17.7675	30	59.2%	120,346	9.1040
Apr-20	12,882	720	17.8917	30	59.6%	117,278	9.1040
May-20	11,712	744	15.7419	30	52.5%	106,626	9.1040
Jun-20	6,527	720	9.0653	30	30.2%	59,422	9.1040
Jul-20	7,166	744	9.6317	30	32.1%	65,239	9.1040
Aug-20							
Sep-20							
Oct-20							
Nov-20							
Dec-20							
Jan-21	73,377	5,112	14.3539	30	47.8%	668,024	9.1040

Block Island \	Nind Farm Tota	als (2017 to 202	0 May)				
	Net		Net	Nameplate			
2017-19	Generation		Generation	Capacity	Capacity		MMBtu/M
Years	(MWh)	Total Hours	(MW)	(MW)	Factor	MMBtu	Wh
2017	104,351	8,760	11.9122	30	39.7%	961,388	9.2130
2018	117,362	8,760	13.3975	30	44.7%	1,068,463	9.1040
2019	117,792	8,760	13.4466	30	44.8%	1,074,027	9.1180
2020	73,377	5,112	14.3539	30	47.8%	668,024	9.1040
Total:	412,882	31,392	13.1525			3,771,902	9.1355
Average:	113,168	8,760	12.9188	30	43.1%	1,034,626	9.1424
MAX:	13,219	744	17.8917	30	59.6%	120,346	9.1040
MIN:	5,623	672	7.5578	30	25.2%	51,271	9.1181
VAR (abs):	7,596	72	10.3339	30	34.4%	69,075	-0.0141
VAR (%):	135%	11%	137%	30		1.3473	-0.15%
	412.882	31.392	•	•		3.771.902	9.1355

Quartile with	Lowest Averag	ge Generation (July, August &	September)			
2017.10	Net		Net	Nameplate	C		N 4 N 4 D to . / N 4
2017-19 Years	Generation (MWh)	Hours per Month	Generation (MW)	Capacity (MW)	Capacity Factor	MMBtu	MMBtu/M Wh
July	6,547	744	8.8002	30	29.3%	59,878	9.1453518
August	6,143	744	8.2572	30	27.5%	56,165	9.1424851
September	6,947	720	9.6481	30	32.2%	63,485	9.1389635
Averages:	6,546	736	8.9018	30	29.7%	59,843	9.1421951

Quartile with	Highest Avera	ge Generation (November, De	ecember & Jan	uary)		
	Net		Net	Nameplate			
2017-19	Generation	Hours per	Generation	Capacity	Capacity		MMBtu/M
Years	(MWh)	Month	(MW)	(MW)	Factor	MMBtu	Wh
November	11,252	720	15.6282	30	52.1%	102,895	9.1443552
December	11,508	744	15.4682	30	51.6%	105,254	9.1458653
January	12,425	744	12.5255	30	41.8%	113,180	9.1088368
Averages:	11,729	736	15.5351	30	51.8%	104,597	8.9180214

Compiled by Si Kinsella (September 26, 2020)

Last accessed: Sat Sep 26 2020 18:55:01 GMT-0400 (Eastern Daylight Time)

 $\frac{\text{https://www.eia.gov/electricity/data/browser/\#/plant/58035?freq=M\&start=201501\&end=201908\&ctype=linechart<ype=pin&pin=\&maptype=0\&linechart=ELEC.PLANT.GEN.58035-ALL-ALL.M\&columnchart=ELEC.PLANT.GEN.58035-ALL-ALL.M$

SK - Exhibit 12 (page 23 of 38)

NOAA Station 44017 - 23 Nautical Miles SSW off Montauk Point, NY Offshore Wind Data for 2003 to 2007, 2016 and 2016

(years for which complete data had been recorded)

	Total number of records where wind speed <= 3.5 m/s or >= 28 m/s												
Jan Feb Mar Apr May <mark>Jun Jul Aug</mark> Sep Oct Nov Dec Ann										Annual			
Total Records	4,479	4,211	5,188	5,010	5,180	5,007	5,103	4,584	4,682	5,186	5,015	4,647	58,292
Matching Records	328	404	736	991	1,505	1,343	1,488	1,270	1,037	863	563	306	10,834
Percentage	7%	10%	14%	20%	29%	27%	29%	28%	22%	17%	11%	7%	19%

	Average number of records per year where wind speed <= 3.5 m/s or >= 28 m/s												
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Average Records	640	602	741	716	740	715	729	655	669	741	716	664	8,327
Matching Records	47	58	105	142	215	192	213	181	148	123	80	44	1,548
Percentage	7%	10%	14%	20%	29%	27%	29%	28%	22%	17%	11%	7%	19%

	Total N	umber of Re	ecords	Average Number of Records			
Seasonal Summary	Total	Matching		Average	Matching		
	Records	Records	Percent	Records	Records	Percent	
Coldest Months (Dec-Feb)	13,337	1,038	7.8%	1,905	148	7.8%	
Hottest Months (Jun-Aug)	14,694	4,101	27.9%	2,099	586	27.9%	

2016	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	742	696	744	719	736	702	727	734	706	731	706	742	8,685
Matching Records	73	85	114	151	231	192	240	195	170	172	62	35	1,720
Percentage	10%	12%	15%	21%	31%	27%	33%	27%	24%	24%	9%	5%	20%
Check sum:	OK												

2013	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	523	668	735	713	736	713	736	738	715	742	716	741	8,476
Matching Records	59	64	79	163	158	181	163	225	97	108	79	67	1,443
Percentage	11%	10%	11%	23%	21%	25%	22%	30%	14%	15%	11%	9%	17%
Check sum:	OK												

2007	Jan	Feb	Mar	Apr	Mav	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	743	668	739	714	741	717	743	737	719	744	719	735	8,719
Matching Records	54	47	87	123	222	135	261	226	194	89	60	60	1,558
Percentage	7%	7%	12%	17%	30%	19%	35%	31%	27%	12%	8%	8%	18%
Check sum:	OK												

2006	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	257	150	742	718	744	719	736	717	386	741	720	743	7,373
Matching Records	15	18	93	139	207	149	202	195	87	89	109	34	1,337
Percentage	6%	12%	13%	19%	28%	21%	27%	27%	23%	12%	15%	5%	18%
Check sum:	OK												

2005	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	732	671	740	718	742	720	744	739	718	743	719	214	8,200
Matching Records	68	77	137	135	238	165	255	243	178	132	45	22	1,695
Percentage	9%	11%	19%	19%	32%	23%	34%	33%	25%	18%	6%	10%	21%
Check sum:	OK												

2004	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	738	686	744	708	737	716	673	175	718	742	715	728	8,080
Matching Records	17	72	86	161	209	218	146	51	185	180	103	49	1,477
Percentage	2%	10%	12%	23%	28%	30%	22%	29%	26%	24%	14%	7%	18%
Check sum:	OK												

2003	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	744	672	744	720	744	720	744	744	720	743	720	744	8,759
Matching Records	42	41	140	119	240	303	221	135	126	93	105	39	1,604
Percentage	6%	6%	19%	17%	32%	42%	30%	18%	18%	13%	15%	5%	18%
Check sum:	OK												

SK - Exhibit 12 (page 24 of 38)



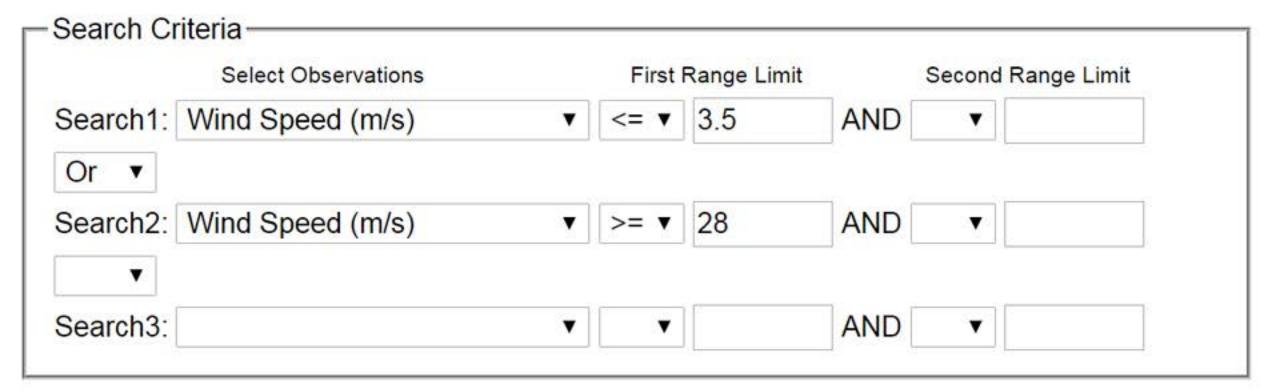
National Data Buoy Center

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Station 44017 Change Station ID MONTAUK POINT - 23 NM SSW of Montauk Point, NY

Select Year: 2016 ▼ View all meteorological observations for station 44017 in 2016



Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017 Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 140 Summary

Duration (hrs) Min: 4 Max: 45 Avg: 9

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	742	696	744	719	736	702	727	734	706	731	706	742	8685
Records Matching Search Criteria	73	85	114	151	231	192	240	195	170	172	62	35	1720
Percent of Records Matching Search Criteria	10%	12%	15%	21%	31%	27%	33%	27%	24%	24%	9%	5%	20%

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Station 44017 Change Station ID
MONTAUK POINT - 23 NM SSW of Montauk Point, NY

Select Year: 2013 ▼ <u>View all meteorological observations for station 44017 in 2013</u>

	Select Observations		First	Range Limit	5	Second Range Limi
	Wind Speed (m/s)	**	<= ▼	3.5	AND	T
Or ▼ Search2:	Wind Speed (m/s)	V	>= ▼	28	AND	V
Search3:		•			AND	T

Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017
Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 123 Summary

Duration (hrs) Min: 4 Max: 36 Avg: 9

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	523	668	735	713	736	713	736	738	715	742	716	741	8476
Records Matching Search Criteria	59	64	79	163	158	181	163	225	97	108	79	67	1443
Percent of Records Matching Search Criteria	11%	10%	11%	23%	21%	25%	22%	30%	14%	15%	11%	9%	17%



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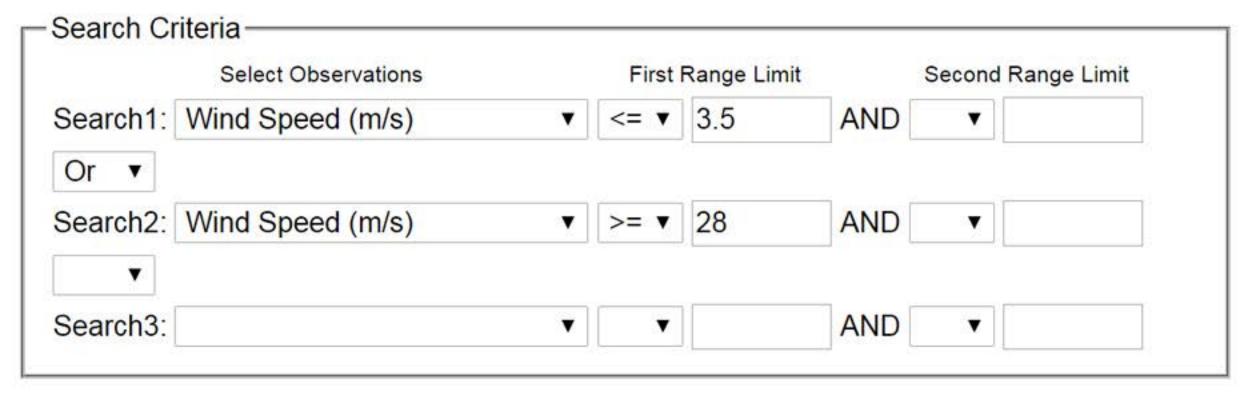
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Select Year: 2007 ▼ View all meteorological observations for station 44017 in 2007



Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017

Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 130 Summary

Duration (hrs) Min: 4 Max: 41 Avg: 9

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	743	668	739	714	741	717	743	737	719	744	719	735	8719
Records Matching Search Criteria	54	47	87	123	222	135	261	226	194	89	60	60	1558
Percent of Records Matching Search Criteria	7%	7%	12%	17%	30%	19%	35%	31%	27%	12%	8%	8%	18%



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MONTAUK POINT - 23 NM SSW of Montauk Point, NY

Select Year: 2006 ▼ View all meteorological observations for station 44017 in 2006

	Select Observations		First	Range Lim	it	Second Rang	e Limit
Search1: V	Vind Speed (m/s)	•	<= ▼	3.5	AND	•	
Or ▼				-			
Search2: V	Vind Speed (m/s)	¥	>= ▼	28	AND	T	
Search3:		•	_		AND	▼	

Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017
Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 115 Summary

Duration (hrs) Min: 4 Max: 49 Avg: 9

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	257	150	742	718	744	719	736	717	386	741	720	743	7373
Records Matching Search Criteria	15	18	93	139	207	149	202	195	87	89	109	34	1337
Percent of Records Matching Search Criteria	6%	12%	13%	19%	28%	21%	27%	27%	23%	12%	15%	5%	18%

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MONTAUK POINT - 23 NM SSW of Montauk Point, NY

Select Year: 2005 ▼ <u>View all meteorological observations for station 44017 in 2005</u>

	Select Observations		First	Range Lim	it	Second Range	e Limi
Search1: Or ▼	Wind Speed (m/s)	▼	<= ▼	3.5	AND	*▼	
	Wind Speed (m/s)	•	>= ▼	28	AND	▼]	
Search3:		•	•		AND	▼	

Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017 Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 141 Summary

Duration (hrs) Min: 4 Max: 67 Avg: 9

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	732	671	740	718	742	720	744	739	718	743	719	214	8200
Rec <mark>ords Matchi</mark> ng Search Criteria	68	77	137	135	238	165	255	243	178	132	45	22	1695
Percent of Records Matching Search Criteria	9%	11%	19%	19%	32%	23%	34%	33%	25%	18%	6%	10%	21%

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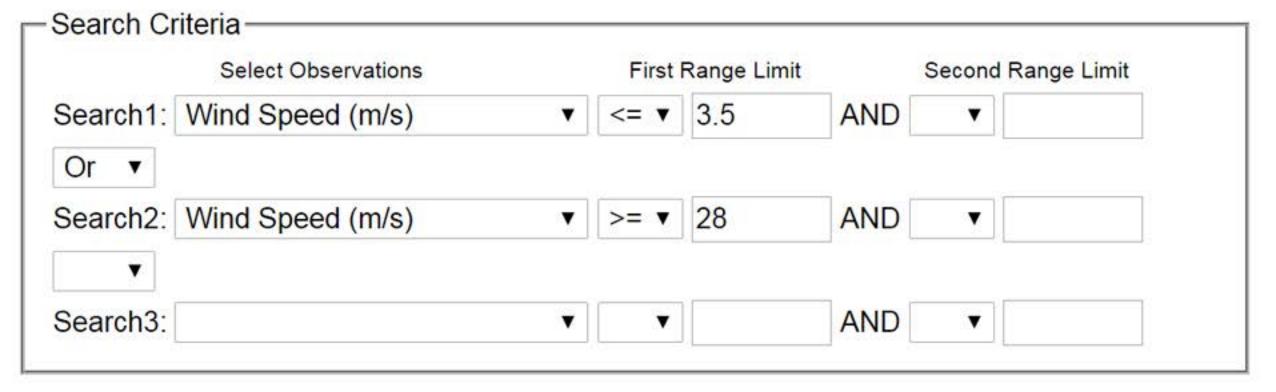
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Select Year: 2004 ▼ <u>View all meteorological observations for station 44017 in 2004</u>



Submit

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An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 131 Summary

Duration (hrs) Min: 4 Max: 46 Avg: 8

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	738	686	744	708	737	716	673	175	718	742	715	728	8080
Records Matching Search Criteria	17	72	86	161	209	218	146	51	185	180	103	49	1477
Percent of Records Matching Search Criteria	2%	10%	12%	23%	28%	30%	22%	29%	26%	24%	14%	7%	18%



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Select Year: 2003 ▼ View all meteorological observations for station 44017 in 2003

	Select Observations		First	Range Limit	t	Second Range Limi
	Wind Speed (m/s)	▼.	<= ▼	3.5	AND	•
Or ▼ Search2:	Wind Speed (m/s)	▼	>= ▼	28	AND	V
Search3:		•	•	1	AND	•

Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017 Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 139 Summary

Duration (hrs) Min: 4 Max: 40 Avg: 9

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	744	672	744	720	744	720	744	744	720	743	720	744	8759
Records Matching Search Criteria	42	41	140	119	240	303	221	135	126	93	105	39	1604
Percent of Records Matching Search Criteria	6%	6%	19%	17%	32%	42%	30%	18%	18%	13%	15%	5%	18%

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Select Year: 2018 ▼ View all meteorological observations for station 44017 in 2018

	Select Observations		First	Range Limit		Second Range Limi
	Wind Speed (m/s)	*	<= ▼	3.5	AND	T
Or ▼ Search2:	Wind Speed (m/s)	▼.	>= ▼	28	AND	▼]
Search3:		•	T		AND	▼

Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017 Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 142 Summary

Duration (hrs) Min: 4 Max: 42 Avg: 10

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	0	144	741	719	739	720	743	742	715	741	717	724	7445
Records Matching Search Criteria	0	16	58	156	267	291	303	153	148	124	73	82	1671
Percent of Records Matching Search Criteria		11%	8%	22%	36%	40%	41%	21%	21%	17%	10%	11%	22%

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Select Year: 2017 ▼ View all meteorological observations for station 44017 in 2017

	Select Observations		First	Range Limit		Second Range Lim
	Wind Speed (m/s)	•	<= ▼	3.5	AND	▼
Or ▼ Search2:	Wind Speed (m/s)	▼	>= ▼	28	AND	▼]
Search3:		▼	•		AND	▼

Submit

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An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 16 Summary

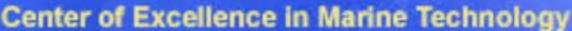
Duration (hrs) Min: 4 Max: 20 Avg: 7

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	740	669	730	669	707	709	736	743	696	26	0	1	6426
Records Matching Search Criteria	76	92	2	0	0	0	0	0	0	0	0	0	170
Percent of Records Matching Search Criteria	10%	14%	0%	0%	0%	0%	0%	0%	0%	0%		0%	3%

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Select Year: 2011 ▼ View all meteorological observations for station 44017 in 2011

	Select Observations		First	Range Limit		Second Range Limit
Search1:	Wind Speed (m/s)	•	<= ▼	3.5	AND	Y
Or ▼				o 17.		50
Search2:	Wind Speed (m/s)	•	>= ▼	28	AND	V
▼						
Search3:		•	_		AND	▼

Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017 Data download August 15, 2019

No records matched your search criteria.

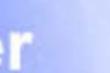
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Page last modified: June 26, 2018

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Select Year: 2010 ▼ View all meteorological observations for station 44017 in 2010

S	elect Observations		First	Range Limit		Second Range L
	d Speed (m/s)	•	<= ▼	3.5	AND	T
Or ▼ Search2: Win	d Speed (m/s)	•	>= ▼	28	AND	V
▼ Search3:		•	*		AND	▼

Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017 Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 112 Summary

Duration (hrs) Min: 4 Max: 48 Avg: 9

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	0	671	743	718	742	719	744	744	720	742	719	740	8002
Records Matching Search Criteria	0	48	143	213	193	197	240	159	98	27	0	0	1318
Percent of Records Matching Search Criteria		7%	19%	30%	26%	27%	32%	21%	14%	4%	0%	0%	16%



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Select Year: 2009 ▼ View all meteorological observations for station 44017 in 2009

Sel	ect Observations		First	Range Limit		Second Range Li
Search1: Wind	Speed (m/s)	•	<= ▼	3.5	AND	V
Or ▼				ore-		972.1
Search2: Wind	Speed (m/s)	▼	>= ▼	28	AND	
Search3:		•	•		AND	▼

Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017
Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 141 Summary

Duration (hrs) Min: 4 Max: 38 Avg: 9

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	744	671	744	720	744	720	744	744	720	744	448	1	7744
Records Matching Search Criteria	74	68	135	96	223	239	189	236	209	95	78	0	1642
Percent of Records Matching Search Criteria	10%	10%	18%	13%	30%	33%	25%	32%	29%	13%	17%	0%	21%







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Select Year: 2008 ▼ View all meteorological observations for station 44017 in 2008

	Select Observations		First	Range Limit		Second Range Lim
1925	Wind Speed (m/s)	\	<= ▼	3.5	AND	• 🔻
Or ▼ Search2:	Wind Speed (m/s)	•	>= ▼	28	AND	T
Search3:		•	•		AND	•

Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017
Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 133 Summary

Duration (hrs) Min: 4 Max: 53 Avg: 9

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	745	696	744	715	743	720	744	744	720	744	720	743	8778
Records Matching Search Criteria	65	57	0	1	176	230	297	270	175	110	95	42	1518
Percent of Records Matching Search Criteria	9%	8%	0%	0%	24%	32%	40%	36%	24%	15%	13%	6%	17%

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MONTAUK POINT - 23 NM SSW of Montauk Point, NY

Select Year: 2002 ▼ <u>View all meteorological observations for station 44017 in 2002</u>

	Select Observations		First	Range Limit		Second Range Limit
	Wind Speed (m/s)	■ ▼	<= ▼	3.5	AND	▼
Or ▼ Search2:	Wind Speed (m/s)	¥	>= ▼	28	AND	Y]
▼ Search3:		•	*		AND	▼

Submit

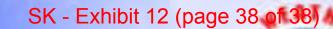
https://www.ndbc.noaa.gov/histsearch.php?station=44017
Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 37 <u>Summary</u>

Duration (hrs) Min: 4 Max: 50 Avg: 11

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	0	0	0	0	0	0	0	0	720	744	720	744	2928
Records Matching Search Criteria		0	0	0	0	0	0	0	260	66	91	46	463
Percent of Records Matching Search Criteria									36%	9%	13%	6%	16%





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Select Year: 2002 ▼ View all meteorological observations for station 44017 in 2002

	Select Observations		First	Range Limit		Second Range Lin
	Wind Speed (m/s)	•	<= ▼	3.5	AND	V
Or ▼ Search2:	Wind Speed (m/s)	▼	>= ▼	28	AND	Y
Search3:		▼	•		AND	▼

Submit

https://www.ndbc.noaa.gov/histsearch.php?station=44017 Data download August 15, 2019

An event is defined as more than three hours of consecutive data records that match the criteria.

Total Events: 37 <u>Summary</u>

Duration (hrs) Min: 4 Max: 50 Avg: 11

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
Total Records	0	0	0	0	0	0	0	0	720	744	720	744	2928
Records Matching Search Criteria	0	0	0	0	0	0	0	0	260	66	91	46	463
Percent of Records Matching Search Criteria									36%	9%	13%	6%	16%