

Byron Generating Station

Period of Record: January - March, 2019

Stability Class - Extremely Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	2	0	0	0	2
SSE	0	0	1	0	0	0	1
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	1	0	0	1
NW	0	0	1	0	0	0	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	4	1	0	0	5

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019

Stability Class - Moderately Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	1	0	0	0	1
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	9	0	0	9
WNW	0	0	0	1	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	1	10	0	0	11

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019

Stability Class - Slightly Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	1	0	0	0	1
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	1	0	0	0	1
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	1	0	0	1
W	0	0	0	2	3	0	5
WNW	0	0	0	5	0	0	5
NW	0	0	0	4	0	0	4
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	2	12	3	0	17

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019
 Stability Class - Neutral - 250Ft-30Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	11	28	48	28	0	0	115
NNE	6	11	23	17	0	0	57
NE	9	19	25	10	0	0	63
ENE	6	31	46	4	0	0	87
E	7	76	50	2	0	0	135
ESE	4	29	25	12	0	0	70
SE	2	13	20	14	0	0	49
SSE	5	14	21	18	0	0	58
S	0	7	15	11	0	0	33
SSW	0	7	15	2	0	0	24
SW	1	15	41	9	4	0	70
WSW	3	9	29	31	10	1	83
W	2	20	55	75	36	15	203
WNW	1	18	48	79	21	2	169
NW	1	21	51	35	3	1	112
NNW	9	40	47	17	0	0	113
Variable	0	0	0	0	0	0	0
Total	67	358	559	364	74	19	1441

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019
 Stability Class - Slightly Stable - 250Ft-30Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	3	8	4	2	0	0	17
NNE	4	10	3	0	0	0	17
NE	1	3	2	0	0	0	6
ENE	1	9	7	2	0	0	19
E	1	25	13	3	1	0	43
ESE	3	16	17	4	6	1	47
SE	0	15	4	13	2	0	34
SSE	2	17	20	20	1	0	60
S	1	10	23	10	0	0	44
SSW	1	13	11	5	0	0	30
SW	8	19	9	0	0	0	36
WSW	9	8	9	3	0	0	29
W	7	21	24	4	2	4	62
WNW	7	11	9	3	2	0	32
NW	5	15	3	0	0	0	23
NNW	1	11	13	0	0	0	25
Variable	0	0	0	0	0	0	0
Total	54	211	171	69	14	5	524

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019
 Stability Class - Moderately Stable - 250Ft-30Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	4	1	0	0	0	5
NNE	0	0	3	0	0	0	3
NE	0	0	1	0	0	0	1
ENE	2	3	0	0	0	0	5
E	3	2	0	0	0	0	5
ESE	0	2	1	0	0	0	3
SE	0	5	0	0	0	0	5
SSE	1	10	14	1	0	0	26
S	0	6	2	0	0	0	8
SSW	8	6	0	0	0	0	14
SW	10	2	0	0	0	0	12
WSW	6	2	0	0	0	0	8
W	7	8	0	0	0	0	15
WNW	7	2	0	0	0	0	9
NW	2	1	0	0	0	0	3
NNW	2	5	0	0	0	0	7
Variable	0	0	0	0	0	0	0
Total	48	58	22	1	0	0	129

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019

Stability Class - Extremely Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	2	2	1	0	0	0	5
SE	0	2	0	0	0	0	2
SSE	3	1	2	0	0	0	6
S	2	1	0	0	0	0	3
SSW	2	0	0	0	0	0	2
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	2	0	0	0	0	0	2
WNW	3	0	0	0	0	0	3
NW	0	0	0	0	0	0	0
NNW	1	0	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	16	6	3	0	0	0	25

Hours of calm in this stability class: 4

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019

Stability Class - Extremely Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	2	1	0	3
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	1	0	1
NW	0	0	1	0	0	0	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	1	2	2	0	5

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019

Stability Class - Moderately Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	1	0	0	1
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	9	0	9
WNW	0	0	0	0	1	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	1	10	0	11

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019
 Stability Class - Slightly Unstable - 250Ft-30Ft Delta-T (F)
 Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	1	0	0	1
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	1	0	0	1
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	1	0	1
W	0	0	0	2	1	2	5
WNW	0	0	0	2	3	0	5
NW	0	0	0	2	1	0	3
NNW	0	0	0	1	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	0	0	9	6	2	17

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019
 Stability Class - Neutral - 250Ft-30Ft Delta-T (F)
 Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	5	29	28	52	19	1	134
NNE	5	16	10	12	14	1	58
NE	3	14	13	23	18	0	71
ENE	3	25	21	17	9	0	75
E	1	38	57	52	7	0	155
ESE	1	11	35	12	5	8	72
SE	2	5	18	12	8	6	51
SSE	0	10	12	10	6	9	47
S	0	2	18	10	12	1	43
SSW	0	2	6	3	7	1	19
SW	0	6	22	29	5	9	71
WSW	0	3	25	16	21	11	76
W	1	5	34	62	53	41	196
WNW	0	11	35	57	57	19	179
NW	3	11	23	53	18	3	111
NNW	4	17	35	26	1	0	83
Variable	0	0	0	0	0	0	0
Total	28	205	392	446	260	110	1441

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019

Stability Class - Slightly Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	6	4	10	3	0	24
NNE	0	1	7	9	0	0	17
NE	0	1	4	4	0	0	9
ENE	1	3	5	5	1	0	15
E	1	5	13	14	4	4	41
ESE	0	2	4	14	10	10	40
SE	1	6	6	4	2	10	29
SSE	1	8	7	15	8	15	54
S	0	1	13	10	24	7	55
SSW	0	0	4	17	13	3	37
SW	0	1	6	18	7	0	32
WSW	0	1	9	11	2	0	23
W	1	5	19	25	7	6	63
WNW	0	5	17	14	2	2	40
NW	0	2	12	8	0	0	22
NNW	0	3	11	9	0	0	23
Variable	0	0	0	0	0	0	0
Total	6	50	141	187	83	57	524

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019

Stability Class - Moderately Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	1	0	4	1	0	7
NNE	1	0	1	2	2	0	6
NE	0	0	1	3	0	0	4
ENE	0	0	1	2	0	0	3
E	1	2	0	0	0	0	3
ESE	0	1	1	2	0	0	4
SE	0	2	1	1	0	0	4
SSE	1	0	1	5	0	1	8
S	0	0	3	7	9	6	25
SSW	0	0	1	1	2	0	4
SW	0	0	1	0	0	0	1
WSW	1	1	8	3	0	0	13
W	1	1	12	4	0	0	18
WNW	2	0	9	7	0	0	18
NW	0	0	3	3	0	0	6
NNW	0	1	3	1	0	0	5
Variable	0	0	0	0	0	0	0
Total	8	9	46	45	14	7	129

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: January - March, 2019

Stability Class - Extremely Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	2	2	0	0	4
SE	0	0	0	1	0	0	1
SSE	0	1	2	0	0	1	4
S	1	2	1	1	0	0	5
SSW	0	4	1	0	1	0	6
SW	0	0	0	0	0	0	0
WSW	0	3	1	0	0	0	4
W	1	0	1	0	0	0	2
WNW	0	0	0	0	0	0	0
NW	0	0	2	0	0	0	2
NNW	1	0	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	3	10	10	4	1	1	29

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Extremely Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	2	0	0	0	0	2
NNE	1	4	0	0	0	0	5
NE	0	1	1	0	0	0	2
ENE	0	5	1	0	0	0	6
E	0	4	0	0	0	0	4
ESE	0	0	0	0	0	0	0
SE	0	0	1	0	0	0	1
SSE	0	0	0	2	0	0	2
S	0	1	0	0	0	0	1
SSW	0	1	0	0	0	0	1
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	2	0	0	0	0	2
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	1	20	3	2	0	0	26

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Moderately Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	1	1	0	0	0	0	2
ENE	0	0	0	0	0	0	0
E	0	0	1	0	0	0	1
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	1	0	0	0	1
S	0	0	1	0	0	0	1
SSW	0	0	0	0	0	0	0
SW	0	1	0	0	0	0	1
WSW	0	0	0	0	0	0	0
W	0	1	0	0	0	0	1
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	1	4	3	0	0	0	8

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Slightly Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	2	1	2	1	0	6
NNE	0	1	2	1	1	0	5
NE	0	0	0	1	0	0	1
ENE	0	0	0	2	0	0	2
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	1	0	0	1
SSE	0	0	2	0	0	0	2
S	0	0	1	1	0	0	2
SSW	0	0	3	1	3	0	7
SW	0	0	5	1	0	0	6
WSW	0	0	1	1	0	0	2
W	0	0	1	1	0	0	2
WNW	0	0	0	0	1	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	3	16	12	6	0	37

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019
 Stability Class - Neutral - 250Ft-30Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	7	19	52	14	0	0	92
NNE	3	15	16	13	2	0	49
NE	2	23	18	11	0	0	54
ENE	6	24	44	26	3	0	103
E	10	32	55	14	0	0	111
ESE	1	0	24	15	0	0	40
SE	3	6	22	16	0	0	47
SSE	5	15	27	16	0	0	63
S	1	19	16	16	1	0	53
SSW	5	18	23	15	6	0	67
SW	5	18	25	13	1	0	62
WSW	2	22	31	21	4	0	80
W	5	18	18	32	5	0	78
WNW	11	21	16	17	1	0	66
NW	10	16	24	27	6	0	83
NNW	5	28	44	23	2	0	102
Variable	0	0	0	0	0	0	0
Total	81	294	455	289	31	0	1150

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Slightly Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	4	13	6	0	0	0	23
NNE	3	14	9	1	0	0	27
NE	8	13	4	0	0	0	25
ENE	10	12	30	3	0	0	55
E	12	67	27	5	0	0	111
ESE	1	20	15	1	2	1	40
SE	2	26	27	2	0	0	57
SSE	4	15	24	4	0	0	47
S	3	18	20	3	0	0	44
SSW	5	12	23	11	0	0	51
SW	7	20	32	4	0	0	63
WSW	6	21	18	3	0	0	48
W	13	12	9	3	0	0	37
WNW	9	13	5	3	0	0	30
NW	6	20	9	3	0	0	38
NNW	5	16	8	4	0	0	33
Variable	0	0	0	0	0	0	0
Total	98	312	266	50	2	1	729

Hours of calm in this stability class: 1

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Moderately Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	2	0	0	0	0	3
NNE	1	1	0	0	0	0	2
NE	0	0	0	0	0	0	0
ENE	0	3	2	0	0	0	5
E	2	8	0	0	0	0	10
ESE	2	13	4	0	0	0	19
SE	6	15	3	1	0	0	25
SSE	2	16	5	0	0	0	23
S	7	20	1	0	0	0	28
SSW	4	5	0	0	0	0	9
SW	5	5	0	0	0	0	10
WSW	9	6	0	0	0	0	15
W	8	4	0	0	0	0	12
WNW	6	1	0	0	0	0	7
NW	3	4	0	0	0	0	7
NNW	3	3	0	0	0	0	6
Variable	0	0	0	0	0	0	0
Total	59	106	15	1	0	0	181

Hours of calm in this stability class: 5

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Extremely Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	0	0	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	2	0	0	0	0	2
SSE	1	4	0	0	0	0	5
S	3	16	0	0	0	0	19
SSW	0	3	0	0	0	0	3
SW	2	0	0	0	0	0	2
WSW	1	0	0	0	0	0	1
W	2	0	0	0	0	0	2
WNW	3	0	0	0	0	0	3
NW	1	0	0	0	0	0	1
NNW	1	2	0	0	0	0	3
Variable	0	0	0	0	0	0	0
Total	15	27	0	0	0	0	42

Hours of calm in this stability class: 2

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Extremely Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	1	0	0	0	0	1
NNE	0	1	2	0	0	0	3
NE	0	1	3	0	0	0	4
ENE	1	3	3	0	0	0	7
E	0	3	1	0	0	0	4
ESE	0	0	0	0	0	0	0
SE	0	0	0	1	0	0	1
SSE	0	0	0	0	2	0	2
S	0	0	0	1	0	0	1
SSW	0	0	0	1	0	0	1
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	1	0	0	0	0	1
NNW	0	0	1	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	1	10	10	3	2	0	26

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Moderately Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	1	1	0	0	0	2
ENE	0	0	0	0	0	0	0
E	0	0	1	0	0	0	1
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	1	0	0	1
S	0	0	0	1	0	0	1
SSW	0	0	0	0	0	0	0
SW	0	0	0	1	0	0	1
WSW	0	0	0	0	0	0	0
W	0	0	1	0	0	0	1
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	1	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	1	4	3	0	0	8

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Slightly Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	6	0	3	2	11
NE	0	0	0	0	0	0	0
ENE	0	0	0	1	1	1	3
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	2	0	0	2
S	0	0	0	3	0	0	3
SSW	0	0	3	1	1	3	8
SW	0	0	1	3	1	0	5
WSW	0	0	0	1	0	0	1
W	0	0	1	0	2	0	3
WNW	0	0	0	0	0	1	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	11	11	8	7	37

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019
 Stability Class - Neutral - 250Ft-30Ft Delta-T (F)
 Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	5	9	32	39	12	1	98
NNE	3	16	12	4	8	2	45
NE	0	11	13	13	5	2	44
ENE	1	11	17	31	9	9	78
E	6	13	43	43	30	9	144
ESE	2	2	4	24	7	3	42
SE	2	2	5	20	11	3	43
SSE	2	10	17	20	7	1	57
S	5	8	11	14	7	1	46
SSW	1	9	22	13	12	8	65
SW	3	17	18	17	3	5	63
WSW	1	14	12	31	12	11	81
W	5	20	7	22	26	5	85
WNW	3	22	10	18	7	1	61
NW	7	14	12	31	17	2	83
NNW	4	16	23	32	14	1	90
Variable	0	0	0	0	0	0	0
Total	50	194	258	372	187	64	1125

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 25
 Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Slightly Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	4	6	9	0	0	20
NNE	0	3	10	7	5	1	26
NE	3	9	13	10	0	0	35
ENE	2	6	10	16	3	2	39
E	1	10	50	41	7	3	112
ESE	1	2	9	14	8	4	38
SE	1	4	8	15	10	0	38
SSE	1	3	7	23	13	0	47
S	0	1	6	12	10	1	30
SSW	1	4	9	28	23	1	66
SW	2	6	11	20	9	2	50
WSW	1	4	10	33	13	0	61
W	1	6	10	16	6	0	39
WNW	2	2	10	8	0	0	22
NW	1	9	19	12	4	0	45
NNW	0	1	11	17	4	0	33
Variable	0	0	0	0	0	0	0
Total	18	74	199	281	115	14	701

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 29

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Moderately Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	2	2	2	0	0	7
NNE	1	1	2	2	0	0	6
NE	1	0	0	0	0	0	1
ENE	0	1	1	0	0	0	2
E	0	1	4	3	0	0	8
ESE	0	2	4	3	3	0	12
SE	0	1	2	8	4	0	15
SSE	0	0	5	9	2	1	17
S	0	3	7	9	1	0	20
SSW	0	5	7	10	3	0	25
SW	0	3	8	5	0	0	16
WSW	1	2	2	5	0	0	10
W	3	3	4	2	0	0	12
WNW	0	3	6	2	0	0	11
NW	1	5	6	1	0	0	13
NNW	1	0	4	0	0	0	5
Variable	0	0	0	0	0	0	0
Total	9	32	64	61	13	1	180

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 6

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: April - June, 2019

Stability Class - Extremely Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	1	1	0	0	0	2
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	2	0	0	2
SSE	0	0	0	0	0	0	0
S	0	1	1	1	0	0	3
SSW	1	0	1	9	2	0	13
SW	0	0	3	5	1	0	9
WSW	0	3	0	1	0	0	4
W	0	1	2	0	0	0	3
WNW	0	1	0	0	0	0	1
NW	2	1	2	0	0	0	5
NNW	1	0	0	1	0	0	2
Variable	0	0	0	0	0	0	0
Total	4	8	10	19	3	0	44

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 3

Byron Generating Station

Period of Record: July - September, 2019

Stability Class - Extremely Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	1	0	0	0	0	1
NNE	0	1	0	0	0	0	1
NE	0	2	0	0	0	0	2
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	3	0	0	0	0	3
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	2	0	0	0	0	2
NW	1	1	0	0	0	0	2
NNW	1	0	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	2	10	0	0	0	0	12

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019

Stability Class - Moderately Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	1	0	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	1	0	0	0	0	1
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	3	0	0	0	0	3
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	1	0	0	0	0	1
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	1	0	0	0	0	0	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	1	6	0	0	0	0	7

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019

Stability Class - Slightly Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	1	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	1	0	0	0	1
ENE	0	1	0	0	0	0	1
E	0	0	0	0	0	0	0
ESE	0	1	0	0	0	0	1
SE	0	2	0	0	0	0	2
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	1	2	0	0	0	3
SW	0	1	3	0	0	0	4
WSW	0	0	0	0	0	0	0
W	0	1	2	0	0	0	3
WNW	0	1	0	0	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	9	9	0	0	0	18

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019
 Stability Class - Neutral - 250Ft-30Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	8	26	26	5	0	0	65
NNE	4	34	23	3	0	0	64
NE	5	28	8	0	0	0	41
ENE	4	18	12	1	0	0	35
E	6	52	14	0	0	0	72
ESE	11	26	18	0	0	0	55
SE	5	17	14	2	0	0	38
SSE	4	19	20	1	0	0	44
S	1	33	38	6	0	0	78
SSW	2	28	38	17	0	0	85
SW	1	32	51	6	0	0	90
WSW	1	30	47	13	0	0	91
W	3	21	50	19	0	0	93
WNW	8	13	21	4	0	0	46
NW	1	19	21	4	0	0	45
NNW	7	23	23	3	0	0	56
Variable	0	0	0	0	0	0	0
Total	71	419	424	84	0	0	998

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019
 Stability Class - Slightly Stable - 250Ft-30Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	9	29	5	0	0	0	43
NNE	7	19	7	0	0	0	33
NE	10	15	1	0	0	0	26
ENE	8	28	3	2	0	0	41
E	8	46	3	2	0	0	59
ESE	6	11	8	0	0	0	25
SE	3	21	10	0	0	0	34
SSE	7	29	19	1	0	0	56
S	8	43	41	5	0	0	97
SSW	6	26	43	2	0	0	77
SW	8	26	10	0	0	0	44
WSW	10	25	8	1	0	0	44
W	7	14	9	1	0	0	31
WNW	9	22	13	0	0	0	44
NW	7	20	6	0	0	0	33
NNW	9	24	2	0	0	0	35
Variable	0	0	0	0	0	0	0
Total	122	398	188	14	0	0	722

Hours of calm in this stability class: 1
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019

Stability Class - Moderately Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	5	4	0	0	0	0	9
NNE	2	2	0	0	0	0	4
NE	8	1	0	0	0	0	9
ENE	7	5	1	0	0	0	13
E	4	32	1	0	0	0	37
ESE	3	28	3	0	0	0	34
SE	5	17	6	0	0	0	28
SSE	6	26	6	0	0	0	38
S	9	17	1	0	0	0	27
SSW	9	8	1	0	0	0	18
SW	18	7	0	0	0	0	25
WSW	13	3	0	0	0	0	16
W	6	0	0	0	0	0	6
WNW	17	3	0	0	0	0	20
NW	20	6	0	0	0	0	26
NNW	14	9	0	0	0	0	23
Variable	0	0	0	0	0	0	0
Total	146	168	19	0	0	0	333

Hours of calm in this stability class: 4

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019

Stability Class - Extremely Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	3	0	0	0	0	0	3
NNE	3	0	0	0	0	0	3
NE	0	0	0	0	0	0	0
ENE	1	1	0	0	0	0	2
E	7	2	0	0	0	0	9
ESE	0	6	0	0	0	0	6
SE	3	5	1	0	0	0	9
SSE	2	2	3	0	0	0	7
S	2	3	0	0	0	0	5
SSW	6	4	0	0	0	0	10
SW	2	0	0	0	0	0	2
WSW	11	0	0	0	0	0	11
W	9	0	0	0	0	0	9
WNW	10	0	0	0	0	0	10
NW	16	0	0	0	0	0	16
NNW	4	0	0	0	0	0	4
Variable	0	0	0	0	0	0	0
Total	79	23	4	0	0	0	106

Hours of calm in this stability class: 3

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019

Stability Class - Extremely Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	1	0	0	0	0	1
NNE	0	2	0	0	0	0	2
NE	0	1	1	0	0	0	2
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	3	0	0	0	3
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	1	3	0	0	0	4
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	5	7	0	0	0	12

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019

Stability Class - Moderately Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	1	0	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	1	0	0	0	1
ESE	0	0	0	0	0	0	0
SE	0	0	3	0	0	0	3
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	1	0	0	0	1
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	1	0	0	0	0	1
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	2	5	0	0	0	7

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019

Stability Class - Slightly Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	1	0	0	0	1
NNE	0	0	0	0	0	0	0
NE	0	0	1	0	0	0	1
ENE	0	1	0	0	0	0	1
E	0	0	0	0	0	0	0
ESE	0	0	1	0	0	0	1
SE	0	0	1	0	0	0	1
SSE	0	0	1	0	0	0	1
S	0	0	0	0	0	0	0
SSW	0	1	1	1	0	0	3
SW	0	0	1	3	0	0	4
WSW	0	0	0	0	0	0	0
W	0	1	1	1	0	0	3
WNW	0	0	1	0	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	4	9	5	0	0	18

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019
 Stability Class - Neutral - 250Ft-30Ft Delta-T (F)
 Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	3	7	32	13	1	0	56
NNE	4	15	20	13	2	0	54
NE	4	14	14	14	0	0	46
ENE	4	19	14	5	1	0	43
E	2	16	47	11	0	0	76
ESE	7	17	17	21	0	0	62
SE	4	12	12	5	2	0	35
SSE	1	13	13	15	1	1	44
S	0	18	19	28	8	1	74
SSW	3	11	14	39	15	0	82
SW	0	13	35	48	11	0	107
WSW	1	8	36	27	8	1	81
W	2	15	25	38	14	3	97
WNW	1	8	15	14	1	0	39
NW	1	16	20	10	1	0	48
NNW	6	14	20	13	1	0	54
Variable	0	0	0	0	0	0	0
Total	43	216	353	314	66	6	998

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019
 Stability Class - Slightly Stable - 250Ft-30Ft Delta-T (F)
 Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	2	2	20	6	0	0	30
NNE	0	5	19	16	0	0	40
NE	0	8	13	3	0	0	24
ENE	1	19	12	11	2	1	46
E	3	11	30	16	1	1	62
ESE	0	1	7	15	2	0	25
SE	2	2	5	9	1	0	19
SSE	2	5	8	11	15	1	42
S	1	4	19	33	26	1	84
SSW	1	7	16	57	24	0	105
SW	0	4	11	32	5	0	52
WSW	1	7	14	16	2	0	40
W	1	6	21	18	2	0	48
WNW	2	1	12	19	0	0	34
NW	3	6	12	12	0	0	33
NNW	0	5	24	8	0	0	37
Variable	0	0	0	0	0	0	0
Total	19	93	243	282	80	4	721

Hours of calm in this stability class: 1
 Hours of missing wind measurements in this stability class: 1
 Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019

Stability Class - Moderately Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	2	5	7	4	0	0	18
NNE	0	3	8	1	0	0	12
NE	2	6	3	1	0	0	12
ENE	1	13	6	3	0	0	23
E	3	9	12	16	1	0	41
ESE	1	2	5	12	6	0	26
SE	0	1	5	14	5	0	25
SSE	0	0	4	6	15	0	25
S	1	1	7	13	2	0	24
SSW	1	3	6	14	0	0	24
SW	3	1	7	12	0	0	23
WSW	0	2	7	10	0	0	19
W	0	2	6	6	0	0	14
WNW	1	4	9	0	0	0	14
NW	1	1	7	9	0	0	18
NNW	1	2	14	2	0	0	19
Variable	0	0	0	0	0	0	0
Total	17	55	113	123	29	0	337

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: July - September, 2019

Stability Class - Extremely Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	1	0	1	0	0	2
NNE	1	1	4	0	0	0	6
NE	2	2	0	0	0	0	4
ENE	4	2	0	0	0	0	6
E	2	3	1	4	1	0	11
ESE	1	3	1	3	1	0	9
SE	2	2	3	0	0	0	7
SSE	0	4	1	1	2	0	8
S	0	0	3	3	2	0	8
SSW	0	4	1	1	0	0	6
SW	1	1	2	4	0	0	8
WSW	0	1	3	1	0	0	5
W	0	0	0	1	0	0	1
WNW	0	2	3	0	0	0	5
NW	0	4	9	3	0	0	16
NNW	0	0	4	3	0	0	7
Variable	0	0	0	0	0	0	0
Total	13	30	35	25	6	0	109

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 4

Byron Generating Station

Period of Record: October - December, 2019

Stability Class - Extremely Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019

Stability Class - Moderately Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019
 Stability Class - Slightly Unstable - 250Ft-30Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	2	0	0	0	0	2
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	1	0	0	1
WSW	0	0	0	1	0	0	1
W	0	2	0	0	0	0	2
WNW	0	0	7	3	0	0	10
NW	0	0	3	0	0	0	3
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	5	10	5	0	0	20

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019
 Stability Class - Neutral - 250Ft-30Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	10	21	44	29	0	0	104
NNE	3	7	11	0	0	0	21
NE	2	8	2	2	0	0	14
ENE	3	9	8	1	0	0	21
E	3	33	14	1	0	0	51
ESE	2	4	12	6	0	0	24
SE	0	7	12	5	0	0	24
SSE	3	3	36	9	0	0	51
S	2	6	38	10	0	0	56
SSW	3	24	44	17	1	0	89
SW	3	27	36	12	2	0	80
WSW	3	21	52	18	12	0	106
W	6	24	58	38	10	2	138
WNW	6	36	50	39	8	2	141
NW	11	51	36	34	0	0	132
NNW	2	25	52	22	0	0	101
Variable	0	0	0	0	0	0	0
Total	62	306	505	243	33	4	1153

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019
 Stability Class - Slightly Stable - 250Ft-30Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	3	5	2	1	0	0	11
NNE	2	2	1	0	0	0	5
NE	2	4	0	1	0	0	7
ENE	1	3	2	1	0	0	7
E	7	20	4	0	0	0	31
ESE	4	10	11	11	7	0	43
SE	2	17	39	7	0	0	65
SSE	6	20	43	12	0	0	81
S	11	27	35	9	0	0	82
SSW	11	20	47	3	0	0	81
SW	6	41	10	3	0	0	60
WSW	11	33	15	6	2	2	69
W	14	38	26	0	0	0	78
WNW	13	29	16	4	0	0	62
NW	9	30	16	0	0	0	55
NNW	6	21	8	0	0	0	35
Variable	0	0	0	0	0	0	0
Total	108	320	275	58	9	2	772

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019
 Stability Class - Moderately Stable - 250Ft-30Ft Delta-T (F)
 Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	2	1	0	0	0	0	3
NNE	1	1	0	0	0	0	2
NE	0	0	0	0	0	0	0
ENE	2	0	1	0	0	0	3
E	1	9	0	0	0	0	10
ESE	0	13	3	0	0	0	16
SE	2	13	5	0	0	0	20
SSE	1	13	9	0	0	0	23
S	6	27	7	0	0	0	40
SSW	4	11	2	0	0	0	17
SW	11	3	0	0	0	0	14
WSW	2	2	0	0	0	0	4
W	2	2	0	0	0	0	4
WNW	7	3	0	0	0	0	10
NW	9	5	0	0	0	0	14
NNW	2	1	0	0	0	0	3
Variable	0	0	0	0	0	0	0
Total	52	104	27	0	0	0	183

Hours of calm in this stability class: 1
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019

Stability Class - Extremely Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 30 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	4	4	0	0	0	0	8
ESE	0	19	4	0	0	0	23
SE	0	12	5	0	0	0	17
SSE	10	2	0	0	0	0	12
S	4	6	0	0	0	0	10
SSW	1	1	0	0	0	0	2
SW	1	0	0	0	0	0	1
WSW	0	0	0	0	0	0	0
W	2	0	0	0	0	0	2
WNW	0	0	0	0	0	0	0
NW	4	0	0	0	0	0	4
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	26	44	9	0	0	0	79

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019

Stability Class - Extremely Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019

Stability Class - Moderately Unstable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	0	0	0	0	0	0
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	0	0	0
WSW	0	0	0	0	0	0	0
W	0	0	0	0	0	0	0
WNW	0	0	0	0	0	0	0
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019
 Stability Class - Slightly Unstable - 250Ft-30Ft Delta-T (F)
 Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	0	0	0	0	0	0
NNE	0	0	0	0	0	0	0
NE	0	0	0	0	0	0	0
ENE	0	0	1	0	0	0	1
E	0	0	1	0	0	0	1
ESE	0	0	0	0	0	0	0
SE	0	0	0	0	0	0	0
SSE	0	0	0	0	0	0	0
S	0	0	0	0	0	0	0
SSW	0	0	0	0	0	0	0
SW	0	0	0	0	1	0	1
WSW	0	0	0	1	0	0	1
W	0	0	2	0	0	0	2
WNW	0	0	1	9	0	0	10
NW	0	0	2	1	0	0	3
NNW	0	1	0	0	0	0	1
Variable	0	0	0	0	0	0	0
Total	0	1	7	11	1	0	20

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019
 Stability Class - Neutral - 250Ft-30Ft Delta-T (F)
 Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	3	13	18	40	20	1	95
NNE	1	7	8	8	4	0	28
NE	4	3	6	5	2	0	20
ENE	0	7	5	3	0	0	15
E	1	14	23	11	7	2	58
ESE	1	5	3	9	6	2	26
SE	0	2	3	12	4	4	25
SSE	1	1	12	25	4	1	44
S	1	7	17	25	6	4	60
SSW	3	6	33	32	12	6	92
SW	0	8	28	31	2	13	82
WSW	0	6	33	34	11	19	103
W	4	17	25	64	26	15	151
WNW	4	23	17	45	19	14	122
NW	5	30	36	35	24	0	130
NNW	0	18	34	33	17	0	102
Variable	0	0	0	0	0	0	0
Total	28	167	301	412	164	81	1153

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019
 Stability Class - Slightly Stable - 250Ft-30Ft Delta-T (F)
 Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	2	9	8	1	0	20
NNE	2	2	3	0	0	0	7
NE	0	0	4	2	1	0	7
ENE	1	2	1	2	1	0	7
E	0	4	13	6	2	0	25
ESE	1	1	1	11	10	13	37
SE	0	1	3	23	18	6	51
SSE	1	5	5	24	31	5	71
S	0	4	12	28	19	5	68
SSW	0	5	16	43	29	1	94
SW	0	7	12	28	13	4	64
WSW	0	3	25	34	12	4	78
W	1	10	28	43	1	0	83
WNW	5	4	21	23	6	0	59
NW	1	4	30	23	1	0	59
NNW	0	13	16	13	0	0	42
Variable	0	0	0	0	0	0	0
Total	12	67	199	311	145	38	772

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019
 Stability Class - Moderately Stable - 250Ft-30Ft Delta-T (F)
 Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	0	4	4	1	0	0	9
NNE	2	0	2	1	0	0	5
NE	0	0	0	0	0	0	0
ENE	0	0	0	0	0	0	0
E	0	4	5	1	1	0	11
ESE	0	1	2	3	4	0	10
SE	0	0	1	7	6	1	15
SSE	0	0	4	2	3	0	9
S	1	1	3	5	8	0	18
SSW	0	3	8	19	10	0	40
SW	0	2	8	11	0	0	21
WSW	0	2	5	2	0	0	9
W	0	3	1	4	0	0	8
WNW	0	3	4	5	0	0	12
NW	1	3	2	2	0	0	8
NNW	0	2	4	3	0	0	9
Variable	0	0	0	0	0	0	0
Total	4	28	53	66	32	1	184

Hours of calm in this stability class: 0
 Hours of missing wind measurements in this stability class: 0
 Hours of missing stability measurements in all stability classes: 0

Byron Generating Station

Period of Record: October - December, 2019

Stability Class - Extremely Stable - 250Ft-30Ft Delta-T (F)

Winds Measured at 250 Feet

Wind Direction	Wind Speed (in mph)						Total
	1-3	4-7	8-12	13-18	19-24	> 24	
N	1	2	0	0	0	0	3
NNE	0	0	0	0	0	0	0
NE	1	0	0	0	0	0	1
ENE	0	1	0	0	0	0	1
E	0	1	0	3	0	0	4
ESE	0	1	1	4	5	0	11
SE	1	2	0	2	3	0	8
SSE	0	0	6	9	9	0	24
S	0	1	4	8	1	0	14
SSW	0	1	2	2	1	0	6
SW	1	0	2	1	0	0	4
WSW	0	1	1	0	0	0	2
W	0	0	0	0	0	0	0
WNW	0	0	1	0	0	0	1
NW	0	0	0	0	0	0	0
NNW	0	0	0	0	0	0	0
Variable	0	0	0	0	0	0	0
Total	4	10	17	29	19	0	79

Hours of calm in this stability class: 0

Hours of missing wind measurements in this stability class: 0

Hours of missing stability measurements in all stability classes: 0

APPENDIX G

ERRATA DATA

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