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December 21, 2018  
**ELECTRONIC FILING**

Ms. Carlotta Stauffer, Director  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

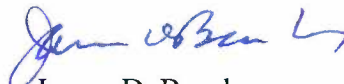
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance  
Incentive Factor; FPSC Docket No. 20180001-EI

Dear Ms. Stauffer:

Attached for filing in the above docket is Tampa Electric Company's GPIF Actual Unit  
Performance Data Schedules for the month of November 2018.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

JDB/ne

Attachment

cc: All parties of record (w/attachment)

## CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Schedules, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 21st day of December 2018 to the following:

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ATTORNEY

ORIGINAL SHEET NO. 8.401.17A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 2	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	63.7	66.6	80.1	33.5	0.3	92.5	90.1	89.1	98.3	99.96	99.9		73.4
2. PH	744	672	743	720	744	720	744	744	720	744	721		8016
3. SH	503.5	549.5	743.0	271.0	0.0	224.3	150.6	356.0	720.0	475.9	211.8		4205.7
4. RSH	180.2	36.8	0.0	0.0	2.3	442.7	519.7	313.0	0.0	268.1	509.2		2272.0
5. UH	60.3	85.7	0.0	449.0	741.7	53.0	73.6	75.0	0.0	0.0	0.0		1538.3
6. POH	0.0	0.0	0.0	449.0	741.7	0.0	0.0	0.0	0.0	0.0	0.0		1190.7
7. FOH	60.3	85.7	0.0	0.0	0.0	53.0	34.3	0.0	0.0	0.0	0.0		233.3
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	39.3	75.0	0.0	0.0	0.0		114.3
9. PFOH	327.6	235.1	0.0	0.0	0.0	0.0	0.0	11.6	39.4	19.4	47.9		680.9
10. LR PF (MW)	44.1	9.6	0.0	0.0	0.0	0.0	0.0	175.0	104.3	5.0	5.0		34.0
11. PMOH	744.0	672.3	743.5	720.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0		2880.8
12. LR PM (MW)	91.9	78.1	78.4	15.9	0.0	235.0	0.0	0.0	0.0	0.0	0.0		66.3
13. NSC (MW)	395	395	395	385	340	340	340	340	340	340	340		359
14. OPR BTU(GBTU)	732.3050	1006.8930	1196.0500	500.0300	0.0000	306.2350	224.0410	587.8920	1240.1611	757.6492	347.5705		6898.8268
15. NET GEN (MWH)	62029	94369	105001	48780	0	26562	19643	47786	102138	61799	30668		598775
16. ANOHR (BTU/KWH)	11806	10670	11391	10251	0	11529	11406	12303	12142	12260	11333		11522
17. NOF (%)	31.2	43.5	35.8	46.8	0.0	34.8	38.3	39.5	41.7	38.2	42.6		39.6
18. NPC (MW)	395	395	395	385	340	340	340	340	340	340	340		359
19. ANOHR EQUATION	ANOHR = NOF ( -17.276 ) + 12,362												

ORIGINAL SHEET NO. 8.401.17A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 3	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	57.3	35.3	30.7	66.2	91.3	95.6	95.7	94.3	68.0	90.4	99.5		74.9
2. PH	744	672	743	720	744	720	744	744	720	744	721		8016
3. SH	492.1	390.2	384.5	540.9	679.6	691.9	664.0	741.1	506.2	546.3	721.0		6357.8
4. RSH	0.0	23.6	0.0	0.0	0.0	28.1	50.1	0.0	0.0	133.7	0.0		235.4
5. UH	251.9	258.2	358.5	179.1	64.4	0.0	29.9	2.9	213.8	64.0	0.0		1422.7
6. POH	0.0	0.0	358.5	112.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0		470.8
7. FOH	251.9	258.2	0.0	0.0	64.4	0.0	0.8	2.9	72.0	0.0	0.0		650.1
8. MOH	0.0	0.0	0.0	66.8	0.0	0.0	29.2	0.0	141.9	64.0	0.0		301.8
9. PFOH	787.0	672.0	743.0	645.0	1.7	264.4	57.2	141.1	55.5	22.1	50.8		3439.8
10. LR PF (MW)	33.4	105.2	84.2	38.8	40.0	46.4	0.0	96.9	101.9	110.9	23.6		63.9
11. PMOH	0.0	0.0	0.0	2.0	0.0	2.4	2.7	0.0	0.7	0.0	0.0		7.7
12. LR PM (MW)	0.0	0.0	0.0	120.0	0.0	120.0	240.0	0.0	165.0	0.0	0.0		165.3
13. NSC (MW)	400	400	400	395	395	395	345	345	345	345	345		374
14. OPR BTU(GBTU)	1798.7949	987.5843	1084.0753	1965.2639	2635.8096	2359.6073	991.3420	1213.2032	903.2102	1186.3123	1708.9480		16834.1510
15. NET GEN (MWH)	163854	85845	90768	181082	247448	219091	87639	100627	77828	106431	149843		1510456
16. ANOHR BTU/KWH	10978	11504	11943	10853	10652	10770	11312	12056	11605	11146	11405		11145
17. NOF (%)	83.2	55.0	59.0	84.8	92.2	80.2	38.3	39.4	44.6	56.5	60.2		63.6
18. NPC (MW)	400	400	400	395	395	395	345	345	345	345	345		374
19. ANOHR EQUATION	ANOHR = NOF ( -17.826 ) + 12,060												

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ORIGINAL SHEET NO. 8.401.17A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BIG BEND 4	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	78.7	13.1	8.0	87.7	68.2	60.1	80.3	78.5	78.7	81.0	18.5		59.7
2. PH	744	672	743	720	744	720	744	744	720	744	721		8016
3. SH	744.0	69.0	59.2	720.0	635.9	523.4	744.0	744.0	720.0	610.5	165.1		5735.2
4. RSH	0.0	147.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133.5	7.0		287.6
5. UH	0.0	456.0	683.8	0.0	108.1	196.6	0.0	0.0	0.0	0.0	548.9		1993.3
6. POH	0.0	456.0	683.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	537.0		1676.7
7. FOH	0.0	0.0	0.0	0.0	108.1	196.6	0.0	0.0	0.0	0.0	11.9		316.6
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		0.0
9. PFOH	1611.4	672.0	743.0	762.4	2361.8	1557.0	744.0	744.0	720.0	744.0	721.0		11380.6
10. LR PF (MW)	43.4	84.2	0.0	49.9	23.3	25.0	81.8	93.9	82.0	83.2	23.6		46.3
11. PMOH	0.0	0.0	0.0	6.3	5.9	5.0	16.4	0.0	34.6	0.0	0.0		68.4
12. LR PM (MW)	0.0	0.0	0.0	119.5	171.1	113.8	199.1	0.0	228.1	0.0	0.0		197.7
13. NSC (MW)	442	442	442	437	437	437	437	437	437	437	437		438
14. OPR BTU(GBTU)	2713.8402	129.6618	163.7140	2755.0214	2397.7246	1977.6829	2766.8860	2680.4266	2547.9461	1854.1556	542.7372		20529.7966
15. NET GEN (MWH)	254243	13470	15848	260531	213939	181524	249646	247319	238823	192564	46324		1914231
16. ANOHR BTU/KWH	10674	9626	10330	10575	11208	10895	11083	10838	10669	9629	11716		10725
17. NOF (%)	77.3	44.2	60.5	82.8	77.0	79.4	76.8	76.1	75.9	72.2	64.2		76.1
18. NPC (MW)	442	442	442	437	437	437	437	437	437	437	437		438
19. ANOHR EQUATION	ANOHR = NOF ( -12.371 ) + 11,518												



ORIGINAL SHEET NO. 8.401.18A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
POLK 1	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	75.1	97.1	49.1	72.8	82.9	89.6	89.1	97.1	46.3	0.0	0.0		63.5
2. PH	744	672	743	720	744	720	744	744	720	744	721		8016
3. SH	567.8	669.2	384.2	454.4	648.7	603.2	708.1	740.3	363.2	0.0	0.0		5138.9
4. RSH	0.0	0.0	12.6	136.7	47.5	108.8	0.0	0.0	0.0	0.0	0.0		305.6
5. UH	176.2	2.8	346.2	129.0	47.8	8.0	35.9	3.8	356.8	744.0	721.0		2571.5
6. POH	0.0	0.0	147.2	0.0	0.0	0.0	0.0	0.0	356.8	744.0	721.0		1969.0
7. FOH	176.2	2.8	199.0	95.3	3.3	8.0	35.9	3.8	0.0	0.0	0.0		524.3
8. MOH	0.0	0.0	0.0	33.6	44.5	0.0	0.0	0.0	0.0	0.0	0.0		78.1
9. PFOH	236.6	121.2	171.5	720.0	744.0	577.2	239.6	100.9	3.3	0.0	0.0		2914.3
10. LR PF (MW)	8.2	29.8	30.0	20.5	23.4	25.6	46.4	44.0	70.0	0.0	0.0		25.2
11. PMOH	0.0	0.0	420.7	0.0	0.0	0.0	0.0	0.0	497.5	744.0	721.0		2383.2
12. LR PM (MW)	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	14.1	0.0	0.0		3.7
13. NSC (MW)	220	220	220	220	220	220	245	245	245	245	245		231
14. OPR BTU(GBTU)	1332.1999	1559.7320	703.7845	552.8960	629.9650	969.9011	1435.0611	1760.5749	652.5832	0.0000	0.0000		9596.6977
15. NET GEN (MWH)	126117	152887	69570	60461	67992	79644	141705	167216	68117	-2588	-2515		928606
16. ANOHR BTU/KWH	10563	10202	10116	9145	9265	12178	10127	10529	9580	0	0		10335
17. NOF (%)	101.0	103.9	82.3	60.5	47.6	60.0	81.7	92.2	76.6	0.0	0.0		78.1
18. NPC (MW)	220	220	220	220	220	220	245	245	245	245	245		231
19. ANOHR EQUATION	ANOHR = NOF ( 16.584 ) + 8,334												

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
POLK 2 CC	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	89.0	88.1	97.1	98.9	88.6	99.9	99.8	99.7	98.4	94.9	88.9		94.8
2. PH	744	672	743	720	744	720	744	744	720	744	721		8016
3. SH	743.0	672.0	743.0	720.0	656.7	720.0	744.0	741.0	712.0	702.0	712.0		7865.7
4. RSH	44.6	29.5	6.8	35.7	105.1	15.8	13.5	30.9	22.5	19.1	36.7		360.1
5. UH	42.5	47.3	10.6	4.4	79.9	0.0	0.0	1.7	7.0	22.3	72.0		287.7
6. POH	20.6	47.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0		145.5
7. FOH	11.8	0.0	5.1	4.4	6.0	0.0	0.0	0.5	6.4	0.5	0.0		34.6
8. MOH	10.1	0.0	0.0	0.0	73.9	0.0	0.0	1.2	0.7	21.8	0.0		107.6
9. PFOH	656.7	0.9	91.8	30.4	6.2	6.1	6.0	4.9	44.5	5.1	0.0		852.6
10. LR PF (MW)	33.9	125.0	95.2	115.0	108.9	42.9	235.0	106.0	115.0	106.0	0.0		50.6
11. PMOH	204.7	315.3	37.3	0.0	49.5	5.8	0.0	0.0	0.0	154.1	244.4		1011.0
12. LR PM (MW)	123.0	125.0	125.0	0.0	95.5	115.0	0.0	0.0	0.0	106.0	33.9		98.2
13. NSC (MW)	1200	1200	1200	1061	1061	1061	1061	1061	1061	1061	1061		1099
14. OPR BTU(GBTU)	4009.5850	3482.8960	4694.5570	4117.4190	3268.5620	4321.0599	4692.8080	4404.2980	4397.2170	4430.9404	3924.7980		45744.1404
15. NET GEN (MWH)	586465	538133	728981	634576	473543	648403	674389	634827	624890	638721	571331		6754259
16. ANOHR BTU/KWH	6837	6472	6440	6488	6902	6664	6959	6938	7037	6937	6870		6773
17. NOF (%)	65.8	66.7	81.8	83.1	68.0	84.9	85.4	80.7	82.7	85.8	75.6		78.1
18. NPC (MW)	1200	1200	1200	1061	1061	1061	1061	1061	1061	1061	1061		1099
19. ANOHR EQUATION	ANOHR = NOF (-13.653) + 8,424												



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TAMPA ELECTRIC COMPANY

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JANUARY 2018 - DECEMBER 2018

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BAYSIDE UNIT 1	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	96.9	99.7	97.8	57.2	99.2	100.0	100.0	97.5	99.9	77.9	90.3		92.4
2. PH	744	672	743	720	744	720	744	744	720	744	721		8016
3. SH	670.6	672.0	743.0	422.0	744.0	720.0	744.0	734.0	720.0	582.0	711.2		7462.8
4. RSH	58.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		58.5
5. UH	15.0	0.0	8.3	298.4	0.0	0.0	0.0	10.2	0.0	161.6	9.8		503.3
6. POH	0.0	0.0	0.0	298.4	0.0	0.0	0.0	0.0	0.0	160.1	9.8		468.3
7. FOH	0.0	0.0	8.3	0.0	0.0	0.0	0.0	1.6	0.0	1.5	0.0		11.4
8. MOH	15.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	0.0	0.0	0.0		23.5
9. PFOH	39.6	10.0	19.4	10.3	9.2	0.0	0.0	0.0	0.0	0.0	0.0		88.5
10. LR PF (MW)	82.0	82.0	82.0	79.0	69.3	0.0	0.0	0.0	0.0	0.0	0.0		80.3
11. PMOH	39.9	9.9	55.6	48.8	45.0	0.0	0.0	75.6	7.7	23.3	444.4		750.3
12. LR PM (MW)	82.0	82.0	82.0	128.2	79.0	0.0	0.0	79.0	79.0	79.0	94.8		92.0
13. NSC (MW)	792	792	792	701	701	701	701	701	701	701	701		726
14. OPR BTU(GBTU)	1633.0960	2454.5140	2329.2960	1223.2730	2130.9140	2323.0760	2270.9850	2084.9620	2209.4130	1653.3620	1888.3810		22201.2720
15. NET GEN (MWH)	217843	332848	308710	162902	285477	306014	307294	281179	295733	217768	255869		2971638
16. ANOHR (BTU/KWH)	7497	7374	7545	7509	7464	7591	7390	7415	7471	7592	7380		7471
17. NOF (%)	41.0	62.5	52.5	55.1	54.7	60.6	58.9	54.6	58.6	53.4	51.3		54.9
18. NPC (MW)	792	792	792	701	701	701	701	701	701	701	701		726
19. ANOHR EQUATION	ANOHR = NOF (-1.982) + 7,468												

ORIGINAL SHEET NO. 8.401.18A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BAYSIDE UNIT 2	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	89.7	0.0	0.0	55.2	93.9	97.0	97.5	97.1	97.6	98.2	92.1		75.0
2. PH	744	672	743	720	744	720	744	744	720	744	721		8016
3. SH	695.6	0.0	0.0	405.0	708.2	720.0	743.0	736.0	720.0	744.0	721.0		6192.8
4. RSH	0.0	0.0	0.0	12.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0		12.8
5. UH	58.1	672.0	743.0	317.4	40.8	0.0	1.0	7.5	0.0	0.0	1.2		1841.0
6. POH	12.6	672.0	743.0	290.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0		1718.0
7. FOH	45.5	0.0	0.0	27.0	0.0	0.0	1.0	7.5	0.0	0.0	1.2		82.3
8. MOH	0.0	0.0	0.0	0.0	40.8	0.0	0.0	0.0	0.0	0.0	0.0		40.8
9. PFOH	9.4	0.0	0.0	65.5	51.0	0.0	3.8	0.9	0.0	0.0	0.0		130.5
10. LR PF (MW)	79.0	0.0	0.0	74.3	77.0	0.0	77.0	77.0	0.0	0.0	0.0		75.8
11. PMOH	231.8	0.0	0.0	3.5	8.3	272.0	475.6	176.2	210.8	171.3	355.7		1905.1
12. LR PM (MW)	79.3	0.0	0.0	77.0	77.0	72.7	34.2	75.5	77.0	73.0	145.3		78.2
13. NSC (MW)	1047	1047	1047	929	929	929	929	929	929	929	929		961
14. OPR BTU(GBTU)	1818.3620	0.0000	0.0000	1418.0970	2605.2610	2515.5910	2584.7760	2907.1750	2938.8620	3123.0520	2635.4040		22546.5800
15. NET GEN (MWH)	232588	-3128	-3411	187162	347726	330641	349617	392400	394088	412229	348754		2988666
16. ANOHR (BTU/KWH)	7818	0	0	7577	7492	7608	7393	7409	7457	7576	7557		7544
17. NOF (%)	31.9	0.0	0.0	49.7	52.9	49.4	50.7	57.4	58.9	59.6	52.1		50.2
18. NPC (MW)	1047	1047	1047	929	929	929	929	929	929	929	929		961
19. ANOHR EQUATION	ANOHR = NOF (-4.675) + 7,715												

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**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

**Unit:** BIG BEND 2      **MDC:** 410      **Run Date:** 12/6/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
48	Reserve Shutdown	10/20/2018	19:52:00	11/10/2018	07:25:00	224.42	0	0000	UNKN	RESERVE SHUTDOWN
49	Partial Forced Immed	11/12/2018	15:00:00	11/14/2018	14:55:00	47.92	350	0480	BLR	Low natural gas supply pressure
50	Reserve Shutdown	11/16/2018	01:25:00	11/27/2018	22:09:00	284.73	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

Unit:		BIG BEND 3		MDC:		420		Run Date:		12/6/2018	
Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description	
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC	
63	Partial Forced Immed	11/12/2018	15:00:00	11/14/2018	14:55:00	47.92	345	0480	BLR	Low natural gas supply pressure	
64	Partial Forced Delayed	11/28/2018	22:25:00	11/29/2018	01:20:00	2.92	195	1400	BLR	B FD fan bearing cooling water supply leak repair	

**Tampa Electric Company  
Outage Listing  
(11/01/2018 - 11/30/2018)**

Unit:		BIG BEND 4		MDC:		470		Run Date:		12/6/2018	
Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description	
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	7	400	8262	POLL	C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	536.95	400	8262	POLL	C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	14.38	400	8262	POLL	C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	11.9	400	8262	POLL	C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	19.6	400	8262	POLL	C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	83.17	400	8262	POLL	C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	48	400	8262	POLL	C Booster fan amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	7	390	1455	BLR	ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	536.95	390	1455	BLR	ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	14.38	390	1455	BLR	ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	11.9	390	1455	BLR	ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	19.6	390	1455	BLR	ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	83.17	390	1455	BLR	ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	48	390	1455	BLR	ID Fans high amp limits	
76	Partial Forced Immed	09/30/2018	14:43:00	01/01/2019	00:00:00	7	385	8551	POLL	High PM indications.T/R sets grounded	
76	Partial Forced Immed	09/30/2018	14:43:00	01/01/2019	00:00:00	536.95	385	8551	POLL	High PM indications.T/R sets grounded	
76	Partial Forced Immed	09/30/2018	14:43:00	01/01/2019	00:00:00	14.38	385	8551	POLL	High PM indications.T/R sets grounded	
76	Partial Forced Immed	09/30/2018	14:43:00	01/01/2019	00:00:00	11.9	385	8551	POLL	High PM indications.T/R sets grounded	
76	Partial Forced Immed	09/30/2018	14:43:00	01/01/2019	00:00:00	19.6	385	8551	POLL	High PM indications.T/R sets grounded	
76	Partial Forced Immed	09/30/2018	14:43:00	01/01/2019	00:00:00	83.17	385	8551	POLL	High PM indications.T/R sets grounded	
76	Partial Forced Immed	09/30/2018	14:43:00	01/01/2019	00:00:00	48	385	8551	POLL	High PM indications.T/R sets grounded	
85	Reserve Shutdown	10/26/2018	10:28:00	11/01/2018	07:00:00	7	0	0000	UNKN	RESERVE SHUTDOWN	
86	Planned Outage	11/01/2018	07:00:00	11/23/2018	14:57:00	536.95	0	8812	NOx	SCR catalyst replacement	
87	Full Forced Delayed	11/24/2018	05:20:00	11/24/2018	17:14:00	11.9	0	3441	BLPT	3rd point heater safety valve leak	
88	Partial Forced Delayed	11/25/2018	12:50:00	11/29/2018	00:00:00	83.17	335	3110	COND	B & D Condensers out of service due to suspected salt	
89	Partial Forced Immed	11/29/2018	00:00:00	01/01/2019	00:00:00	48	335	4260	TURB	Main steam stop valve strainer indicates high differenti	

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**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

Unit:		POLK 1		MDC:		290		Run Date:		12/6/2018	
Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description	
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC	
59	Planned Derating	09/10/2018	06:29:00	11/21/2018	18:00:00	499	200	6399	GASF	Gasification planned outage	
61	Planned Outage	09/17/2018	12:36:00	11/21/2018	18:00:00	499	0	5260	GAST	GTG Rotor replacement/HARP replacement, restart fol	
62	Full Forced Immed	11/21/2018	18:00:00	01/01/2019	00:00:00	222	0	5260	GAST	Alignmet issues with rotor required teardown to pedest	
63	Planned Derating	11/21/2018	18:00:00	01/01/2019	00:00:00	222	200	6399	GASF	Gasification planned outage extension due to economic	

**Tampa Electric Company  
Outage Listing  
(11/01/2018 - 11/30/2018)**

**Unit: POLK 2ST      MDC: 479      Run Date: 12/6/2018**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
61	Planned Outage	11/25/2018	23:50:00	11/29/2018	13:58:00	86.13	0	4499	TURB	Condenser Inspecton, STG controls and valve work
62	Planned Derating	11/25/2018	21:02:00	01/01/2019	00:00:00	1.57	359	5272	GAST	GTG4 EBI, HRSG Gas Path Inspections, Blowdown Ta
62	Planned Derating	11/25/2018	21:02:00	01/01/2019	00:00:00	1.23	359	5272	GAST	GTG4 EBI, HRSG Gas Path Inspections, Blowdown Ta
62	Planned Derating	11/25/2018	21:02:00	01/01/2019	00:00:00	86.13	359	5272	GAST	GTG4 EBI, HRSG Gas Path Inspections, Blowdown Ta
62	Planned Derating	11/25/2018	21:02:00	01/01/2019	00:00:00	34.03	359	5272	GAST	GTG4 EBI, HRSG Gas Path Inspections, Blowdown Ta
63	Planned Derating	11/25/2018	22:36:00	01/01/2019	00:00:00	1.23	239	5272	GAST	GTG3 EBI, HRSG Drum Internal Inspections, Gas Path
63	Planned Derating	11/25/2018	22:36:00	01/01/2019	00:00:00	86.13	239	5272	GAST	GTG3 EBI, HRSG Drum Internal Inspections, Gas Path
63	Planned Derating	11/25/2018	22:36:00	01/01/2019	00:00:00	34.03	239	5272	GAST	GTG3 EBI, HRSG Drum Internal Inspections, Gas Path

**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

**Unit:** POLK 2      **MDC:** 151      **Run Date:** 12/6/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
61	Reserve Shutdown	11/02/2018	17:07:00	11/04/2018	07:46:00	39.65	0	0000	UNKN	RESERVE SHUTDOWN
62	Reserve Shutdown	11/19/2018	22:46:00	11/20/2018	07:37:00	8.85	0	0000	UNKN	RESERVE SHUTDOWN
63	Reserve Shutdown	11/26/2018	00:07:00	11/26/2018	11:44:00	11.62	0	0000	UNKN	RESERVE SHUTDOWN
64	Reserve Shutdown	11/26/2018	20:09:00	11/29/2018	11:35:00	63.43	0	0000	UNKN	RESERVE SHUTDOWN



**Tampa Electric Company  
Outage Listing  
(11/01/2018 - 11/30/2018)**

Unit:		POLK 3		MDC:		151		Run Date:		12/6/2018	
Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description	
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC	
68	Reserve Shutdown	11/05/2018	01:03:00	11/05/2018	08:44:00	7.68	0	0000	UNKN	RESERVE SHUTDOWN	
69	Reserve Shutdown	11/11/2018	23:46:00	11/12/2018	07:52:00	8.1	0	0000	UNKN	RESERVE SHUTDOWN	
70	Reserve Shutdown	11/18/2018	06:54:00	11/18/2018	13:04:00	6.17	0	0000	UNKN	RESERVE SHUTDOWN	
71	Reserve Shutdown	11/24/2018	00:03:00	11/24/2018	07:07:00	7.07	0	0000	UNKN	RESERVE SHUTDOWN	
72	Planned Outage	11/25/2018	22:36:00	01/01/2019	00:00:00	121.4	0	5272	GAST	EBI, Drum Internal Inspections, HRSG Inspections	

**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

**Unit:** POLK 4      **MDC:** 151      **Run Date:** 12/6/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
60	Planned Outage	11/25/2018	21:02:00	01/01/2019	00:00:00	122.97	0	5274	GAST	EBI,HRSG Inspections

**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

Unit:		POLK 5		MDC:		151		Run Date:		12/6/2018	
Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description	
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC	
69	Reserve Shutdown	11/20/2018	22:33:00	11/21/2018	08:54:00	10.35	0	0000	UNKN	Reserve shutdown, Boiler Feed Pump gasket repair	
70	Reserve Shutdown	11/23/2018	20:51:00	11/24/2018	03:54:00	7.05	0	0000	UNKN	RESERVE SHUTDOWN	
71	Reserve Shutdown	11/25/2018	01:24:00	11/25/2018	08:53:00	7.48	0	0000	UNKN	RESERVE SHUTDOWN	
72	Reserve Shutdown	11/25/2018	22:54:00	11/29/2018	06:07:00	79.22	0	0000	UNKN	RESERVE SHUTDOWN	
73	Reserve Shutdown	11/29/2018	08:05:00	11/29/2018	10:45:00	2.67	0	0000	UNKN	RESERVE SHUTDOWN	

**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

**Unit:** BAYSIDE ST1      **MDC:** 236      **Run Date:** 12/6/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
34	Partial Maintenance	11/02/2018	11:55:00	11/08/2018	21:45:00	154.83	157	0540	BLR	ST1 Derated - 1A HRH piping leak
35	Planned Outage	11/08/2018	21:46:00	11/09/2018	07:35:00	9.82	0	3619	BLPT	ST1 Outage to replace disconnect in the switchyard
36	Partial Maintenance	11/09/2018	07:36:00	11/10/2018	03:24:00	19.8	157	0540	BLR	ST1 Derated - 1A Reheat Line Leak
37	Partial Maintenance	11/10/2018	03:25:00	11/13/2018	21:24:00	89.98	79	0540	BLR	ST1 Derated - 1A&B Reheat Lines Cracked
38	Partial Maintenance	11/13/2018	21:25:00	11/20/2018	00:49:00	147.4	157	0540	BLR	ST1 Derated - 1B Reheat Line Cracked
39	Partial Maintenance	11/20/2018	06:02:00	11/21/2018	14:24:00	32.37	157	3834	BLPT	ST1 Derated - 1B Tube leak

**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

**Unit:** BAYSIDE CT1A      **MDC:** 158      **Run Date:** 12/6/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
162	Reserve Shutdown	11/01/2018	00:01:00	11/01/2018	13:03:00	13.03	0	0000	UNKN	RESERVE SHUTDOWN
163	Reserve Shutdown	11/01/2018	23:59:00	11/02/2018	11:54:00	11.92	0	0000	UNKN	RESERVE SHUTDOWN
164	Maintenance Outage	11/02/2018	11:55:00	11/13/2018	21:24:00	274.48	0	3831	BLPT	REHEAT PIPING WELD LEAK REPAIR
165	Reserve Shutdown	11/13/2018	21:25:00	11/13/2018	22:24:00	0.98	0	0000	UNKN	RESERVE SHUTDOWN
166	Reserve Shutdown	11/20/2018	23:33:00	11/21/2018	06:29:00	6.93	0	0000	UNKN	RESERVE SHUTDOWN
167	Reserve Shutdown	11/21/2018	23:33:00	11/24/2018	10:10:00	58.62	0	0000	UNKN	RESERVE SHUTDOWN
168	Reserve Shutdown	11/25/2018	00:09:00	11/25/2018	07:29:00	7.33	0	0000	UNKN	RESERVE SHUTDOWN
169	Reserve Shutdown	11/29/2018	14:27:00	11/30/2018	05:47:00	15.33	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(11/01/2018 - 11/30/2018)**

**Unit: BAYSIDE CT1B      MDC: 158      Run Date: 12/6/2018**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
164	Reserve Shutdown	11/01/2018	00:01:00	11/01/2018	09:10:00	9.15	0	0000	UNKN	RESERVE SHUTDOWN
165	Reserve Shutdown	11/01/2018	22:56:00	11/02/2018	06:54:00	7.97	0	0000	UNKN	RESERVE SHUTDOWN
166	Reserve Shutdown	11/04/2018	01:21:00	11/04/2018	08:44:00	8.38	0	0000	UNKN	RESERVE SHUTDOWN
167	Reserve Shutdown	11/05/2018	22:20:00	11/06/2018	06:08:00	7.8	0	0000	UNKN	RESERVE SHUTDOWN
168	Reserve Shutdown	11/08/2018	21:56:00	11/09/2018	08:57:00	11.02	0	0000	UNKN	RESERVE SHUTDOWN
169	Reserve Shutdown	11/10/2018	00:18:00	11/10/2018	03:23:00	3.08	0	0000	UNKN	RESERVE SHUTDOWN
170	Maintenance Outage	11/10/2018	03:24:00	11/19/2018	22:35:00	235.18	0	3831	BLPT	REHEAT PIPING WELD LEAK REPAIR
171	Reserve Shutdown	11/19/2018	22:36:00	11/20/2018	05:37:00	7.02	0	0000	UNKN	RESERVE SHUTDOWN
172	Maintenance Outage	11/20/2018	06:02:00	11/21/2018	14:24:00	32.37	0	3834	BLPT	1B Suspected HRSG Tube Leak, only IP drum door lea
173	Reserve Shutdown	11/21/2018	14:25:00	11/21/2018	16:05:00	1.67	0	0000	UNKN	RESERVE SHUTDOWN
174	Reserve Shutdown	11/24/2018	20:04:00	11/26/2018	05:26:00	33.37	0	0000	UNKN	RESERVE SHUTDOWN
175	Reserve Shutdown	11/26/2018	22:01:00	11/27/2018	05:45:00	7.73	0	0000	UNKN	RESERVE SHUTDOWN
176	Reserve Shutdown	11/30/2018	09:50:00	11/30/2018	23:59:00	14.15	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

**Unit:** BAYSIDE CT1C      **MDC:** 158      **Run Date:** 12/6/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
175	Reserve Shutdown	11/02/2018	22:10:00	11/03/2018	11:14:00	13.07	0	0000	UNKN	RESERVE SHUTDOWN
176	Reserve Shutdown	11/04/2018	23:22:00	11/05/2018	06:36:00	7.23	0	0000	UNKN	RESERVE SHUTDOWN
177	Reserve Shutdown	11/06/2018	22:18:00	11/07/2018	07:57:00	9.65	0	0000	UNKN	RESERVE SHUTDOWN
178	Reserve Shutdown	11/07/2018	22:21:00	11/08/2018	05:36:00	7.25	0	0000	UNKN	RESERVE SHUTDOWN
179	Reserve Shutdown	11/08/2018	19:24:00	11/09/2018	06:32:00	11.13	0	0000	UNKN	RESERVE SHUTDOWN
180	Reserve Shutdown	11/17/2018	22:21:00	11/18/2018	05:21:00	7	0	0000	UNKN	RESERVE SHUTDOWN
181	Reserve Shutdown	11/18/2018	23:07:00	11/19/2018	05:51:00	6.73	0	0000	UNKN	RESERVE SHUTDOWN
182	Reserve Shutdown	11/21/2018	21:21:00	11/22/2018	09:28:00	12.12	0	0000	UNKN	RESERVE SHUTDOWN
183	Reserve Shutdown	11/22/2018	21:14:00	11/23/2018	12:19:00	15.08	0	0000	UNKN	RESERVE SHUTDOWN
184	Reserve Shutdown	11/23/2018	19:26:00	11/24/2018	05:00:00	9.57	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

Unit:		BAYSIDE ST2		MDC:		308		Run Date:		12/6/2018	
Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description	
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC	
56	Planned Derating	11/09/2018	23:00:00	11/13/2018	23:07:00	96.12	231	5272	GAST	ST2 Derated - 2B Fall Outage	
57	Planned Derating	11/13/2018	23:08:00	11/14/2018	21:35:00	22.45	154	5272	GAST	ST2 Derated - 2B and 2C Fall Outage	
58	Planned Derating	11/14/2018	21:36:00	11/15/2018	15:27:00	17.85	77	5272	GAST	ST2 Derated - 2B,2C and 2D Fall Outage	
59	Planned Derating	11/15/2018	15:28:00	11/15/2018	21:30:00	6.03	154	5272	GAST	ST2 Derated - 2C and 2D Fall Outage	
60	Planned Derating	11/15/2018	21:31:00	11/20/2018	12:04:00	110.55	77	5272	GAST	ST2 Derated - 2A, 2C and 2D Fall Outage	
61	Planned Derating	11/20/2018	12:05:00	11/21/2018	05:00:00	16.92	154	5272	GAST	ST2 Derated - 2C and 2D Fall Outage	
62	Planned Derating	11/21/2018	05:01:00	11/21/2018	08:50:00	3.82	231	5272	GAST	ST2 Derated - 2D Fall Outage	
63	Planned Derating	11/21/2018	08:51:00	11/21/2018	22:36:00	13.75	157	5272	GAST	ST2 Derated - 2D Fall Outage; 2C HRSG Tube Leak	
64	Planned Derating	11/21/2018	22:37:00	11/24/2018	11:30:00	60.88	231	5272	GAST	ST2 Derated - 2C HRSG Tube Leak	
65	Planned Derating	11/25/2018	15:05:00	11/25/2018	22:22:00	7.28	231	4720	GEN	ST2 Derated - 2C did not sync - GSU coil replaced	



**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

**Unit:** BAYSIDE CT2A      **MDC:** 158      **Run Date:** 12/6/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
179	Reserve Shutdown	11/01/2018	00:01:00	11/01/2018	06:37:00	6.6	0	0000	UNKN	RESERVE SHUTDOWN
180	Reserve Shutdown	11/01/2018	21:39:00	11/02/2018	10:33:00	12.9	0	0000	UNKN	RESERVE SHUTDOWN
181	Reserve Shutdown	11/03/2018	22:13:00	11/04/2018	12:53:00	15.67	0	0000	UNKN	RESERVE SHUTDOWN
182	Reserve Shutdown	11/04/2018	22:39:00	11/05/2018	10:07:00	11.47	0	0000	UNKN	RESERVE SHUTDOWN
183	Reserve Shutdown	11/05/2018	21:21:00	11/06/2018	10:20:00	12.98	0	0000	UNKN	RESERVE SHUTDOWN
184	Reserve Shutdown	11/06/2018	21:26:00	11/07/2018	09:38:00	12.2	0	0000	UNKN	RESERVE SHUTDOWN
185	Reserve Shutdown	11/08/2018	00:16:00	11/08/2018	09:33:00	9.28	0	0000	UNKN	RESERVE SHUTDOWN
186	Reserve Shutdown	11/09/2018	20:56:00	11/10/2018	07:35:00	10.65	0	0000	UNKN	RESERVE SHUTDOWN
187	Reserve Shutdown	11/10/2018	22:54:00	11/11/2018	10:15:00	11.35	0	0000	UNKN	RESERVE SHUTDOWN
188	Reserve Shutdown	11/11/2018	22:34:00	11/12/2018	05:33:00	6.98	0	0000	UNKN	RESERVE SHUTDOWN
189	Reserve Shutdown	11/12/2018	22:24:00	11/13/2018	07:10:00	8.77	0	0000	UNKN	RESERVE SHUTDOWN
190	Reserve Shutdown	11/13/2018	21:48:00	11/14/2018	06:25:00	8.62	0	0000	UNKN	RESERVE SHUTDOWN
191	Planned Outage	11/15/2018	21:38:00	11/20/2018	12:04:00	110.43	0	5272	GAST	2A Fall Outage - EBI
193	Reserve Shutdown	11/20/2018	12:05:00	11/20/2018	12:31:00	0.43	0	0000	UNKN	RESERVE SHUTDOWN
194	Reserve Shutdown	11/21/2018	19:33:00	11/24/2018	12:02:00	64.48	0	0000	UNKN	RESERVE SHUTDOWN
195	Reserve Shutdown	11/24/2018	22:51:00	11/26/2018	06:57:00	32.1	0	0000	UNKN	RESERVE SHUTDOWN
196	Reserve Shutdown	11/26/2018	23:40:00	11/27/2018	08:31:00	8.85	0	0000	UNKN	RESERVE SHUTDOWN

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**Tampa Electric Company  
Outage Listing  
(11/01/2018 - 11/30/2018)**

**Unit: BAYSIDE CT2B      MDC: 158      Run Date: 12/6/2018**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
159	Reserve Shutdown	11/01/2018	00:01:00	11/01/2018	11:32:00	11.52	0	0000	UNKN	RESERVE SHUTDOWN
160	Reserve Shutdown	11/02/2018	23:34:00	11/04/2018	09:13:00	34.65	0	0000	UNKN	RESERVE SHUTDOWN
161	Reserve Shutdown	11/04/2018	21:08:00	11/05/2018	05:41:00	8.55	0	0000	UNKN	RESERVE SHUTDOWN
162	Reserve Shutdown	11/05/2018	23:48:00	11/06/2018	09:03:00	9.25	0	0000	UNKN	RESERVE SHUTDOWN
163	Reserve Shutdown	11/06/2018	23:28:00	11/07/2018	10:47:00	11.32	0	0000	UNKN	RESERVE SHUTDOWN
164	Reserve Shutdown	11/07/2018	20:23:00	11/08/2018	07:40:00	11.28	0	0000	UNKN	RESERVE SHUTDOWN
165	Reserve Shutdown	11/09/2018	00:02:00	11/09/2018	06:41:00	6.65	0	0000	UNKN	RESERVE SHUTDOWN
166	Reserve Shutdown	11/09/2018	22:53:00	11/09/2018	22:59:00	0.1	0	0000	UNKN	RESERVE SHUTDOWN
167	Planned Outage	11/09/2018	23:00:00	11/15/2018	01:31:00	122.52	0	5272	GAST	2B Planned Fall Outage - EBI
168	Reserve Shutdown	11/15/2018	01:32:00	11/15/2018	05:45:00	4.22	0	0000	UNKN	RESERVE SHUTDOWN
169	Full Forced Immed	11/15/2018	07:07:00	11/15/2018	15:27:00	8.33	0	5042	GAST	Gas leak in turbine compartment
170	Reserve Shutdown	11/22/2018	17:41:00	11/23/2018	09:32:00	15.85	0	0000	UNKN	RESERVE SHUTDOWN
171	Reserve Shutdown	11/23/2018	22:30:00	11/24/2018	09:00:00	10.5	0	0000	UNKN	RESERVE SHUTDOWN
172	Reserve Shutdown	11/24/2018	19:14:00	11/25/2018	10:34:00	15.33	0	0000	UNKN	RESERVE SHUTDOWN
173	Reserve Shutdown	11/29/2018	22:20:00	11/30/2018	23:59:00	25.65	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(11/01/2018 - 11/30/2018)**

**Unit: BAYSIDE CT2C      MDC: 158      Run Date: 12/6/2018**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
88	Planned Outage	11/13/2018	23:12:00	11/21/2018	05:00:00	173.8	0	5272	GAST	2C Planned Fall Outage - EBI
89	Reserve Shutdown	11/21/2018	05:01:00	11/21/2018	08:49:00	3.8	0	0000	UNKN	RESERVE SHUTDOWN
90	Maintenance Outage	11/21/2018	08:50:00	11/24/2018	11:30:00	74.67	0	3831	BLPT	tube leaks in the hp section
91	Reserve Shutdown	11/24/2018	11:31:00	11/25/2018	15:04:00	27.55	0	0000	UNKN	RESERVE SHUTDOWN
92	Startup Failure	11/25/2018	15:04:00	11/25/2018	22:22:00	7.3	0	4720	GEN	2C did not sync - replaced bad coil in the GSU

**Tampa Electric Company**  
**Outage Listing**  
(11/01/2018 - 11/30/2018)

**Unit:** BAYSIDE CT2D      **MDC:** 158      **Run Date:** 12/6/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
91	Planned Outage	11/14/2018	21:40:00	11/21/2018	22:36:00	168.93	0	5272	GAST	2D Planned Fall Outage - EBI
92	Reserve Shutdown	11/21/2018	22:37:00	11/22/2018	08:19:00	9.7	0	0000	UNKN	RESERVE SHUTDOWN

Tampa Electric Company  
Actual Unit Performance  
Outage Listing Abbreviations and Descriptions

AGA	Acid Gas Absorber	IP	Intermediate Pressure
APH	Air Preheater	KO	Knock Out
ASU	Air Separation Unit	LCI	Load Commutated Inverter
BFP	Boiler Feed Pump	LOTO	Lock Out Tag Out
BFPT	Boiler Feed Pump Turbine	LOX	Low Oxygen
CO	Carbon Monoxide	LP	Low Pressure
CO <sub>2</sub>	Carbon Dioxide	LVDT	Linear Variable Differential Transducer
COS	Carbonyl Sulfide	MAC	Main Air Compressor
CRH	Cold Reheat	MkVIe	Mark 6e GE Logic Controller
CSC	Convective Syngas Coolers	MOC	Motor Operated Control
CT	Combustion Turbine	MOV	Motor Operated Valve
DA	Deaerator	N <sub>2</sub>	Nitrogen
DCS	Digital Control System	PLC	Programmable Logic Controller
EGT	Exit Gas Temperature	Pp	Pump
EH	Electro Hydraulic	R/R	Remove and replace
FAT	Final Absorber Tower	RATA	Relative Accuracy Test Audit
FD	Forced Draft	RSV	Reheat Stop Valve
Fdwtr	Feed water	RTD	Resistance Temperature Device
FGD	Flue Gas Desulfurization	SAP	Sulfuric Acid Plant
GEHO	Manufacturer of Slurry Pump	ST	Steam Turbine
GTG	Gas Turbine Generator	STARSS	Strategic Anti-Rotating Stall Schedule
HP	High Pressure	T/R	Transformer Rectifier
HRSG	Heat Recovery Steam Generator	TC	Thermocouple
HX	Heat Exchanger	WWTL	Water wall tube leak
IAS	Instrument Air Supply	ZBL	Zero Ball Loss condenser cleaning system
ID	Induced Draft		