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August 27, 2018

ELECTRONIC FILING

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

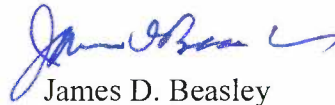
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance
Incentive Factor; FPSC Docket No. 20180001-EI

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 July 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 27th day of August 2018 to the following:

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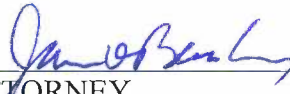
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ATTORNEY

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
	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						60.2
2. PH	744	672	743	720	744	720	744						5087
3. SH	503.5	549.5	743.0	271.0	0.0	224.3	150.6						2442.0
4. RSH	180.2	36.8	0.0	0.0	2.3	442.7	519.7						1181.7
5. UH	60.3	85.7	0.0	449.0	741.7	53.0	73.6						1463.3
6. POH	0.0	0.0	0.0	449.0	741.7	0.0	0.0						1190.7
7. FOH	60.3	85.7	0.0	0.0	0.0	53.0	34.3						233.3
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	39.3						39.3
9. PFOH	327.6	235.1	0.0	0.0	0.0	0.0	0.0						562.6
10. LR PF (MW)	44.1	9.6	0.0	0.0	0.0	0.0	0.0						29.7
11. PMOH	744.0	672.3	743.5	720.0	0.0	1.0	0.0						2880.8
12. LR PM (MW)	91.9	78.1	78.4	15.9	0.0	235.0	0.0						66.3
13. NSC (MW)	395	395	395	385	340	340	340						370
14. OPR BTU(GBTU)	732.3050	1006.8930	1196.0500	500.0300	0.0000	306.2350	224.0410						3965.5540
15. NET GEN (MWH)	62029	94369	105001	48780	0	26562	19643						356384
16. ANOHR (BTU/KWH)	11806	10670	11391	10251	0	11529	11406						11127
17. NOF (%)	31.2	43.5	35.8	46.8	0.0	34.8	38.3						39.4
18. NPC (MW)	395	395	395	385	340	340	340						370
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	82.6						65.9
2. PH	744	672	743	720	744	720	744						5087
3. SH	492.1	390.2	384.5	540.9	679.6	691.9	664.0						3843.2
4. RSH	0.0	23.6	0.0	0.0	0.0	28.1	50.1						101.8
5. UH	251.9	258.2	358.5	179.1	64.4	0.0	29.9						1142.0
6. POH	0.0	0.0	358.5	112.3	0.0	0.0	0.0						470.8
7. FOH	251.9	258.2	0.0	0.0	64.4	0.0	0.8						575.3
8. MOH	0.0	0.0	0.0	66.8	0.0	0.0	29.2						95.9
9. PFOH	787.0	1294.6	1486.0	645.0	1.7	264.4	57.2						4535.9
10. LR PF (MW)	33.4	54.6	42.1	38.8	40.0	46.4	22.0						43.7
11. PMOH	0.0	0.0	0.0	2.0	0.0	2.4	666.4						670.8
12. LR PM (MW)	0.0	0.0	0.0	120.0	0.0	120.0	49.8						50.3
13. NSC (MW)	400	400	400	395	395	395	345						390
14. OPR BTU(GBTU)	1798.7949	987.5843	1084.0753	1965.2639	2635.8096	2359.6073	991.3420						11822.4774
15. NET GEN (MWH)	163854	85845	90768	181082	247448	219091	87639						1075727
16. ANOHR BTU/KWH	10978	11504	11943	10853	10652	10770	11312						10990
17. NOF (%)	83.2	55.0	59.0	84.8	92.2	80.2	38.3						71.8
18. NPC (MW)	400	400	400	395	395	395	345						390
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
	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						57.1
2. PH	744	672	743	720	744	720	744						5087
3. SH	744.0	69.0	59.2	720.0	635.9	523.4	744.0						3495.6
4. RSH	0.0	147.0	0.0	0.0	0.0	0.0	0.0						147.0
5. UH	0.0	456.0	683.8	0.0	108.1	196.6	0.0						1444.4
6. POH	0.0	456.0	683.8	0.0	0.0	0.0	0.0						1139.8
7. FOH	0.0	0.0	0.0	0.0	108.1	196.6	0.0						304.7
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0						0.0
9. PFOH	1611.4	2670.2	2735.1	762.4	2361.8	1557.0	744.0						12441.9
10. LR PF (MW)	43.4	21.2	0.0	49.9	23.3	25.0	81.8						25.7
11. PMOH	0.0	0.0	0.0	6.3	5.9	5.0	16.4						33.8
12. LR PM (MW)	0.0	0.0	0.0	119.5	171.1	113.8	199.1						166.5
13. NSC (MW)	442	442	442	437	437	437	437						439
14. OPR BTU(GBTU)	2713.8402	129.6618	163.7140	2755.0214	2397.7246	1977.6829	2766.8860						12904.5309
15. NET GEN (MWH)	254243	13470	15848	260531	213939	181524	249646						1189201
16. ANOHR BTU/KWH	10674	9626	10330	10575	11208	10895	11083						10851
17. NOF (%)	77.3	44.2	60.5	82.8	77.0	79.4	76.8						77.5
18. NPC (MW)	442	442	442	437	437	437	437						439
19. ANOHR EQUATION	ANOHR = NOF (-12.371) + 11,518												

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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						79.1
2. PH	744	672	743	720	744	720	744						5087
3. SH	567.8	669.2	384.2	454.4	648.7	603.2	708.1						4035.5
4. RSH	0.0	0.0	12.6	136.7	47.5	108.8	0.0						305.6
5. UH	176.2	2.8	346.2	129.0	47.8	8.0	35.9						746.0
6. POH	0.0	0.0	147.2	0.0	0.0	0.0	0.0						147.2
7. FOH	176.2	2.8	199.0	95.3	3.3	8.0	35.9						520.6
8. MOH	0.0	0.0	0.0	33.6	44.5	0.0	0.0						78.1
9. PFOH	236.6	121.2	171.5	720.0	744.0	577.2	239.6						2810.1
10. LR PF (MW)	8.2	29.8	30.0	20.5	23.4	25.6	46.4						24.5
11. PMOH	0.0	0.0	420.7	0.0	0.0	0.0	0.0						420.7
12. LR PM (MW)	0.0	0.0	4.4	0.0	0.0	0.0	0.0						4.4
13. NSC (MW)	220	220	220	220	220	220	245						224
14. OPR BTU(GBTU)	1332.1999	1559.7320	703.7845	552.8960	629.9650	969.9011	1435.0611						7183.5396
15. NET GEN (MWH)	126117	152887	69570	60461	67992	79644	141705						698376
16. ANOHR BTU/KWH	10563	10202	10116	9145	9265	12178	10127						10286
17. NOF (%)	101.0	103.9	82.3	60.5	47.6	60.0	81.7						77.4
18. NPC (MW)	220	220	220	220	220	220	245						224
19. ANOHR EQUATION	ANOHR = NOF (16.584) + 8,334												

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 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	92.9	97.6	98.9	88.6	99.9	99.8						95.2
2. PH	744	672	743	720	744	720	744						5087
3. SH	743.0	672.0	743.0	720.0	656.7	720.0	744.0						4998.7
4. RSH	44.6	29.5	6.8	35.7	105.1	15.8	13.5						250.9
5. UH	42.5	47.3	10.6	4.4	79.9	0.0	0.0						184.7
6. POH	20.6	47.3	5.6	0.0	0.0	0.0	0.0						73.5
7. FOH	11.8	0.0	5.1	4.4	6.0	0.0	0.0						27.2
8. MOH	10.1	0.0	0.0	0.0	73.9	0.0	0.0						84.0
9. PFOH	656.7	0.9	91.8	30.4	6.2	6.1	6.0						798.1
10. LR PF (MW)	33.9	125.0	95.2	115.0	108.9	42.9	235.0						46.3
11. PMOH	204.7	315.3	37.3	0.0	49.5	5.8	0.0						612.5
12. LR PM (MW)	123.0	0.0	0.0	0.0	95.5	115.0	0.0						49.9
13. NSC (MW)	1200	1200	1200	1061	1061	1061	1061						1121
14. OPR BTU(GBTU)	4009.5850	3482.8960	4694.5570	4117.4190	3268.5620	4321.0599	4692.8080						28586.8869
15. NET GEN (MWH)	586465	538133	728981	634576	473543	648403	674389						4284490
16. ANOHR BTU/KWH	6837	6472	6440	6488	6902	6664	6959						6672
17. NOF (%)	65.8	66.7	81.8	83.1	68.0	84.9	85.4						76.5
18. NPC (MW)	1200	1200	1200	1061	1061	1061	1061						1121
19. ANOHR EQUATION	ANOHR = NOF (-13.653) + 8,424												

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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 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 (%)	94.4	99.0	96.2	56.5	97.6	100.0	100.0						92.0
2. PH	744	672	743	720	744	720	744						5087
3. SH	670.6	672.0	743.0	422.0	744.0	720.0	744.0						4715.6
4. RSH	241.6	66.7	124.7	86.6	151.1	132.9	166.7						970.3
5. UH	33.4	4.6	20.3	302.9	11.7	0.0	0.0						372.8
6. POH	0.0	0.0	0.0	300.6	0.0	0.0	0.0						300.6
7. FOH	9.1	2.3	7.4	2.3	1.7	0.0	0.0						22.8
8. MOH	24.2	2.3	12.9	0.0	10.0	0.0	0.0						49.4
9. PFOH	39.6	10.0	19.4	10.3	9.2	0.0	0.0						88.5
10. LR PF (MW)	82.0	82.0	82.0	79.0	69.3	0.0	0.0						80.3
11. PMOH	39.9	9.9	55.6	48.8	45.0	0.0	0.0						199.3
12. LR PM (MW)	82.0	82.0	82.0	128.2	79.0	0.0	0.0						92.6
13. NSC (MW)	792	792	792	701	701	701	701						740
14. OPR BTU(GBTU)	1633.0960	2454.5140	2329.2960	1223.2730	2130.9140	2323.0760	2270.9850						14365.1540
15. NET GEN (MWH)	217843	332848	308710	162902	285477	306014	307294						1921088
16. ANOHR (BTU/KWH)	7497	7374	7545	7509	7464	7591	7390						7478
17. NOF (%)	41.0	62.5	52.5	55.1	54.7	60.6	58.9						55.1
18. NPC (MW)	792	792	792	701	701	701	701						740
19. ANOHR EQUATION	ANOHR = NOF (-13.560) + 8,341												

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 (%)	87.8	0.0	0.0	56.1	93.1	90.7	86.7						59.9
2. PH	744	672	743	720	744	720	744						5087
3. SH	695.6	0.0	0.0	405.0	708.2	720.0	743.0						3271.8
4. RSH	243.7	0.0	0.0	114.2	168.1	150.5	112.9						789.4
5. UH	72.2	672.0	743.0	310.4	46.7	45.7	80.8						1970.9
6. POH	46.4	672.0	743.0	290.4	0.0	0.0	0.0						1751.8
7. FOH	15.5	0.0	0.0	19.4	9.0	0.0	1.0						44.8
8. MOH	10.3	0.0	0.0	0.6	37.8	45.7	79.9						174.3
9. PFOH	9.4	0.0	0.0	65.5	51.0	0.0	3.8						129.7
10. LR PF (MW)	79.0	0.0	0.0	74.3	77.0	0.0	77.0						75.8
11. PMOH	231.8	0.0	0.0	3.5	8.3	272.0	475.6						991.2
12. LR PM (MW)	79.3	0.0	0.0	77.0	77.0	72.7	34.2						55.8
13. NSC (MW)	1047	1047	1047	929	929	929	929						980
14. OPR BTU(GBTU)	1818.3620	0.0000	0.0000	1418.0970	2605.2610	2515.5910	2584.7760						10942.0870
15. NET GEN (MWH)	232588	-3128	-3411	187162	347726	330641	349617						1441195
16. ANOHR (BTU/KWH)	7818	0	0	7577	7492	7608	7393						7592
17. NOF (%)	31.9	0.0	0.0	49.7	52.9	49.4	50.7						45.0
18. NPC (MW)	1047	1047	1047	929	929	929	929						980
19. ANOHR EQUATION	ANOHR = NOF (-11.437) + 8,274												

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**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BIG BEND 2 MDC: 410 Run Date: 8/8/2018

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
28	Full Forced Delayed	07/07/2018	06:39:00	07/08/2018	17:00:00	34.35	0	4609	GEN	Exciter cooling water flex hose leak (inside doghouse)
29	Reserve Shutdown	07/08/2018	17:00:00	07/09/2018	17:09:00	24.15	0	0000	UNKN	RESERVE SHUTDOWN
30	Maintenance Outage	07/12/2018	10:30:00	07/13/2018	03:56:00	17.43	0	0359	BLR	Gas skid PRV's repair (leaking thru)
31	Reserve Shutdown	07/13/2018	03:56:00	08/06/2018	04:00:00	452.07	0	0000	UNKN	RESERVE SHUTDOWN
32	Maintenance Outage	07/09/2018	17:09:00	07/10/2018	15:01:00	21.87	0	4299	TURB	Turbine autostop oil leak repair
33	Reserve Shutdown	07/10/2018	15:01:00	07/12/2018	10:30:00	43.48	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BIG BEND 3 MDC: 420 Run Date: 8/8/2018

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
35	Partial Forced Postponed	06/23/2018	15:00:00	07/03/2018	09:10:00	28	365	0891	BLR	A tank full and B doghouse drain leak. Natural gas only
35	Partial Forced Postponed	06/23/2018	15:00:00	07/03/2018	09:10:00	29.17	365	0891	BLR	A tank full and B doghouse drain leak. Natural gas only
36	Reserve Shutdown	06/29/2018	19:55:00	07/02/2018	04:00:00	28	0	0000	UNKN	RESERVE SHUTDOWN
37	Maintenance Outage	07/02/2018	04:00:00	07/03/2018	09:10:00	29.17	0	0891	BLR	B Slag tank doghouse drain repair.
38	Reserve Shutdown	07/03/2018	09:10:00	07/04/2018	07:16:00	22.1	0	0000	UNKN	RESERVE SHUTDOWN
39	Full Forced Immed	07/04/2018	07:28:00	07/04/2018	08:15:00	0.78	0	0359	BLR	4N Gas igniter trifecta valve stuck. MFT trip.
40	Planned Derating	07/04/2018	08:15:00	08/03/2018	15:00:00	232.25	360	1510	BLR	Duct leaks.Natural gas only.
40	Planned Derating	07/04/2018	08:15:00	08/03/2018	15:00:00	1.83	360	1510	BLR	Duct leaks.Natural gas only.
40	Planned Derating	07/04/2018	08:15:00	08/03/2018	15:00:00	166.25	360	1510	BLR	Duct leaks.Natural gas only.
40	Planned Derating	07/04/2018	08:15:00	08/03/2018	15:00:00	0.83	360	1510	BLR	Duct leaks.Natural gas only.
40	Planned Derating	07/04/2018	08:15:00	08/03/2018	15:00:00	262.58	360	1510	BLR	Duct leaks.Natural gas only.
41	Partial Maintenance	07/14/2018	00:30:00	07/14/2018	02:20:00	1.83	120	4268	TURB	Main turbine valve testing
42	Partial Maintenance	07/21/2018	00:35:00	07/21/2018	01:25:00	0.83	120	4268	TURB	Main turbine valve testing

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BIG BEND 4 MDC: 470 Run Date: 8/8/2018

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	3.33	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	1.2	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	39.97	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	4.92	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	72.5	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	13	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	42.17	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	0.7	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	8.17	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	7.57	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	15.68	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	8.08	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	95.83	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	0.33	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	19.73	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	0.92	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	46.58	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	9.17	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	4.3	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	221.78	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	1.63	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	3.5	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	49.92	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	3.25	400	8299	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	69.77	400	8299	POLL C Booster fan amp limits	
49	Partial Maintenance	07/01/2018	03:20:00	07/01/2018	04:32:00	1.2	220	4268	TURB Main turbine valve testing	
50	Partial Forced Immed	07/02/2018	20:30:00	07/03/2018	01:25:00	4.92	390	9620	RS&E Particulate matter limit	
51	Partial Forced Immed	07/06/2018	01:55:00	07/06/2018	14:55:00	13	250	1411	BLR A FD fan tripped. Channel 1 ground.	
52	Planned Derating	07/15/2018	20:42:00	07/15/2018	22:20:00	1.63	150	1411	BLR A FD fan Channel 1 troubleshooting	

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BIG BEND 4 MDC: 470 Run Date: 8/8/2018

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
53	Partial Maintenance	07/15/2018	22:20:00	07/16/2018	01:50:00	3.5	260	4268	TURB	Main turbine valve testing
54	Partial Forced Postponed	07/18/2018	03:45:00	07/18/2018	07:00:00	3.25	180	3122	COND	D Condenser waterbox gasket leak repair
55	Partial Forced Immed	07/21/2018	04:46:00	07/21/2018	05:06:00	0.33	260	1471	BLR	ID Fans runback. Hi amp limits exceeded.
56	Partial Maintenance	07/22/2018	00:50:00	07/22/2018	01:45:00	0.92	250	4268	TURB	Main turbine valve testing
57	Partial Maintenance	07/24/2018	00:20:00	07/24/2018	09:30:00	9.17	180	3113	COND	B & D Condenser waterbox cleaning
58	Partial Forced Immed	07/24/2018	13:48:00	07/24/2018	14:30:00	0.7	270	1471	BLR	ID Fans runback. Hi amp limits exceeded.
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	8.17	390	1455	BLR	ID Fans high amp limits
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	7.57	390	1455	BLR	ID Fans high amp limits
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	15.68	390	1455	BLR	ID Fans high amp limits
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	8.08	390	1455	BLR	ID Fans high amp limits
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	95.83	390	1455	BLR	ID Fans high amp limits
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	42.17	390	1455	BLR	ID Fans high amp limits
60	Partial Forced Postponed	07/24/2018	22:40:00	07/25/2018	06:14:00	7.57	180	3113	COND	B Condenser cleaning
61	Partial Forced Postponed	07/25/2018	21:55:00	07/26/2018	06:00:00	8.08	180	3113	COND	D Condenser cleaning
62	Partial Forced Immed	07/30/2018	05:50:00	08/06/2018	07:00:00	42.17	370	8845	CO	High CO limit

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**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: POLK 1 MDC: 290 Run Date: 8/8/2018

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
37	Noncurtailing	07/01/2018	00:00:00	07/06/2018	11:00:00	131	290	6399	GASF	Saturator leak prevented co-fire.
38	Partial Forced Immed	06/26/2018	19:51:00	07/04/2018	13:59:00	85.98	200	6399	GASF	Saturator leak repair, SAP Compressor vibration repair
39	Full Forced Immed	07/09/2018	05:08:00	07/09/2018	10:39:00	5.52	0	5250	GAST	Gasifier tripped, GTG failed to transfer, tripped on high
40	Full Forced Immed	07/14/2018	11:45:00	07/15/2018	11:41:00	23.93	0	5250	GAST	Gasifier tripped, GTG failed to transfer, tripped on high
41	Full Forced Immed	07/20/2018	20:40:00	07/21/2018	03:06:00	6.43	0	5250	GAST	Gasifier tripped, GTG failed to transfer, tripped on high
42	Partial Forced Immed	07/09/2018	05:08:00	07/11/2018	14:09:00	5.52	200	6399	GASF	Slurry Feed Pump Check valve failure
42	Partial Forced Immed	07/09/2018	05:08:00	07/11/2018	14:09:00	51.5	200	6399	GASF	Slurry Feed Pump Check valve failure
43	Partial Forced Immed	07/14/2018	23:44:00	07/16/2018	15:49:00	11.95	200	6399	GASF	RSC HP Circulation Pump tripped, Gasifier tripped
43	Partial Forced Immed	07/14/2018	23:44:00	07/16/2018	15:49:00	28.13	200	6399	GASF	RSC HP Circulation Pump tripped, Gasifier tripped
44	Partial Forced Immed	07/29/2018	15:29:00	08/01/2018	17:21:00	56.52	200	6399	GASF	Scrubber Circulation Pump Seal failed, transferred GTC

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**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: POLK 2ST MDC: 479 Run Date: 8/8/2018

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
47	Partial Forced Postponed	07/10/2018	06:00:00	07/10/2018	12:00:00	6	239	3999	BLPT	Natural Gas Regulator at Ft Greene Road Maintenance

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: POLK 2 MDC: 151 Run Date: 8/8/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
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EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: POLK 3 MDC: 151 Run Date: 8/8/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
43	Reserve Shutdown	07/04/2018	01:56:00	07/04/2018	08:37:00	6.68	0	0000	UNKN	RESERVE SHUTDOWN
44	Reserve Shutdown	07/05/2018	00:26:00	07/05/2018	07:33:00	7.12	0	0000	UNKN	RESERVE SHUTDOWN
45	Reserve Shutdown	07/09/2018	20:21:00	07/10/2018	13:23:00	17.03	0	0000	UNKN	RESERVE SHUTDOWN
46	Reserve Shutdown	07/11/2018	23:59:00	07/12/2018	09:20:00	9.35	0	0000	UNKN	RESERVE SHUTDOWN
47	Reserve Shutdown	07/28/2018	02:03:00	07/28/2018	08:50:00	6.78	0	0000	UNKN	RESERVE SHUTDOWN
48	Reserve Shutdown	07/30/2018	00:09:00	07/30/2018	09:46:00	9.62	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: POLK 4 MDC: 151 Run Date: 8/8/2018

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
43	Reserve Shutdown	07/10/2018	02:03:00	07/10/2018	12:00:00	9.95	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: POLK 5 MDC: 151 Run Date: 8/8/2018

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	Reserve Shutdown	07/06/2018	01:50:00	07/06/2018	08:17:00	6.45	0	0000	UNKN	RESERVE SHUTDOWN
47	Reserve Shutdown	07/07/2018	01:43:00	07/07/2018	08:22:00	6.65	0	0000	UNKN	RESERVE SHUTDOWN
48	Reserve Shutdown	07/19/2018	21:21:00	07/20/2018	05:25:00	8.07	0	0000	UNKN	RESERVE SHUTDOWN
49	Reserve Shutdown	07/29/2018	01:09:00	07/29/2018	08:52:00	7.72	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BAYSIDE ST1 MDC: 236 Run Date: 8/8/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
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EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BAYSIDE CT1A MDC: 158 Run Date: 8/8/2018

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
86	Reserve Shutdown	07/02/2018	22:56:00	07/03/2018	08:55:00	9.98	0	0000	UNKN	RESERVE SHUTDOWN
87	Reserve Shutdown	07/03/2018	19:49:00	07/04/2018	09:21:00	13.53	0	0000	UNKN	RESERVE SHUTDOWN
88	Reserve Shutdown	07/04/2018	17:17:00	07/05/2018	10:10:00	16.88	0	0000	UNKN	RESERVE SHUTDOWN
89	Reserve Shutdown	07/05/2018	18:17:00	07/06/2018	02:30:00	8.22	0	0000	UNKN	RESERVE SHUTDOWN
90	Reserve Shutdown	07/06/2018	18:27:00	07/07/2018	09:40:00	15.22	0	0000	UNKN	RESERVE SHUTDOWN
91	Reserve Shutdown	07/07/2018	23:21:00	07/08/2018	09:59:00	10.63	0	0000	UNKN	RESERVE SHUTDOWN
92	Reserve Shutdown	07/08/2018	18:55:00	07/09/2018	05:38:00	10.72	0	0000	UNKN	RESERVE SHUTDOWN
93	Reserve Shutdown	07/09/2018	23:30:00	07/10/2018	08:59:00	9.48	0	0000	UNKN	RESERVE SHUTDOWN
94	Reserve Shutdown	07/10/2018	23:34:00	07/11/2018	09:37:00	10.05	0	0000	UNKN	RESERVE SHUTDOWN
95	Reserve Shutdown	07/11/2018	22:41:00	07/12/2018	12:18:00	13.62	0	0000	UNKN	RESERVE SHUTDOWN
96	Reserve Shutdown	07/12/2018	23:00:00	07/13/2018	09:26:00	10.43	0	0000	UNKN	RESERVE SHUTDOWN
97	Reserve Shutdown	07/13/2018	22:25:00	07/14/2018	10:28:00	12.05	0	0000	UNKN	RESERVE SHUTDOWN
98	Reserve Shutdown	07/16/2018	23:34:00	07/17/2018	07:52:00	8.3	0	0000	UNKN	RESERVE SHUTDOWN
99	Reserve Shutdown	07/17/2018	23:30:00	07/18/2018	09:39:00	10.15	0	0000	UNKN	RESERVE SHUTDOWN
100	Reserve Shutdown	07/18/2018	23:39:00	07/19/2018	10:06:00	10.45	0	0000	UNKN	RESERVE SHUTDOWN
101	Reserve Shutdown	07/20/2018	19:57:00	07/21/2018	09:38:00	13.68	0	0000	UNKN	RESERVE SHUTDOWN
102	Reserve Shutdown	07/22/2018	02:27:00	07/24/2018	10:24:00	55.95	0	0000	UNKN	RESERVE SHUTDOWN
103	Reserve Shutdown	07/24/2018	23:52:00	07/25/2018	06:50:00	6.97	0	0000	UNKN	RESERVE SHUTDOWN
104	Reserve Shutdown	07/25/2018	20:06:00	07/26/2018	11:34:00	15.47	0	0000	UNKN	RESERVE SHUTDOWN
105	Reserve Shutdown	07/27/2018	20:45:00	07/28/2018	09:24:00	12.65	0	0000	UNKN	RESERVE SHUTDOWN
106	Reserve Shutdown	07/28/2018	23:41:00	07/29/2018	10:14:00	10.55	0	0000	UNKN	RESERVE SHUTDOWN
107	Reserve Shutdown	07/30/2018	18:12:00	07/31/2018	09:51:00	15.65	0	0000	UNKN	RESERVE SHUTDOWN
108	Reserve Shutdown	07/31/2018	19:36:00	07/31/2018	23:59:00	4.38	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BAYSIDE CT1B MDC: 158 Run Date: 8/8/2018

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
85	Reserve Shutdown	07/01/2018	00:28:00	07/01/2018	10:13:00	9.75	0	0000	UNKN	RESERVE SHUTDOWN
86	Reserve Shutdown	07/02/2018	00:44:00	07/02/2018	09:04:00	8.33	0	0000	UNKN	RESERVE SHUTDOWN
87	Reserve Shutdown	07/04/2018	19:18:00	07/05/2018	11:58:00	16.67	0	0000	UNKN	RESERVE SHUTDOWN
88	Reserve Shutdown	07/08/2018	01:43:00	07/09/2018	12:02:00	34.32	0	0000	UNKN	RESERVE SHUTDOWN
89	Reserve Shutdown	07/11/2018	00:30:00	07/11/2018	10:30:00	10	0	0000	UNKN	RESERVE SHUTDOWN
90	Reserve Shutdown	07/11/2018	22:07:00	07/12/2018	10:19:00	12.2	0	0000	UNKN	RESERVE SHUTDOWN
91	Reserve Shutdown	07/13/2018	00:36:00	07/13/2018	10:18:00	9.7	0	0000	UNKN	RESERVE SHUTDOWN
92	Reserve Shutdown	07/13/2018	19:28:00	07/14/2018	09:46:00	14.3	0	0000	UNKN	RESERVE SHUTDOWN
94	Reserve Shutdown	07/15/2018	01:08:00	07/15/2018	10:54:00	9.77	0	0000	UNKN	RESERVE SHUTDOWN
95	Reserve Shutdown	07/18/2018	21:11:00	07/19/2018	08:49:00	11.63	0	0000	UNKN	RESERVE SHUTDOWN
96	Reserve Shutdown	07/22/2018	21:38:00	07/23/2018	07:29:00	9.85	0	0000	UNKN	RESERVE SHUTDOWN
97	Reserve Shutdown	07/24/2018	00:08:00	07/24/2018	13:04:00	12.93	0	0000	UNKN	RESERVE SHUTDOWN
98	Reserve Shutdown	07/27/2018	21:43:00	07/28/2018	10:36:00	12.88	0	0000	UNKN	RESERVE SHUTDOWN
99	Reserve Shutdown	07/29/2018	19:04:00	07/30/2018	06:03:00	10.98	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BAYSIDE CT1C MDC: 158 Run Date: 8/8/2018

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
96	Reserve Shutdown	07/01/2018	00:00:00	07/01/2018	08:21:00	8.35	0	0000	UNKN	RESERVE SHUTDOWN
97	Reserve Shutdown	07/01/2018	23:42:00	07/02/2018	08:09:00	8.45	0	0000	UNKN	RESERVE SHUTDOWN
98	Reserve Shutdown	07/03/2018	00:37:00	07/03/2018	10:22:00	9.75	0	0000	UNKN	RESERVE SHUTDOWN
99	Reserve Shutdown	07/04/2018	00:03:00	07/04/2018	11:40:00	11.62	0	0000	UNKN	RESERVE SHUTDOWN
100	Reserve Shutdown	07/05/2018	20:42:00	07/06/2018	12:13:00	15.52	0	0000	UNKN	RESERVE SHUTDOWN
101	Reserve Shutdown	07/06/2018	19:49:00	07/07/2018	10:52:00	15.05	0	0000	UNKN	RESERVE SHUTDOWN
102	Reserve Shutdown	07/08/2018	21:14:00	07/09/2018	09:35:00	12.35	0	0000	UNKN	RESERVE SHUTDOWN
103	Reserve Shutdown	07/10/2018	00:35:00	07/10/2018	10:02:00	9.45	0	0000	UNKN	RESERVE SHUTDOWN
104	Reserve Shutdown	07/15/2018	01:18:00	07/16/2018	09:52:00	32.57	0	0000	UNKN	RESERVE SHUTDOWN
105	Reserve Shutdown	07/17/2018	01:05:00	07/17/2018	09:45:00	8.67	0	0000	UNKN	RESERVE SHUTDOWN
106	Reserve Shutdown	07/19/2018	22:50:00	07/20/2018	11:40:00	12.83	0	0000	UNKN	RESERVE SHUTDOWN
107	Reserve Shutdown	07/21/2018	01:14:00	07/21/2018	10:40:00	9.43	0	0000	UNKN	RESERVE SHUTDOWN
108	Reserve Shutdown	07/22/2018	01:29:00	07/22/2018	09:10:00	7.68	0	0000	UNKN	RESERVE SHUTDOWN
109	Reserve Shutdown	07/22/2018	23:38:00	07/23/2018	09:51:00	10.22	0	0000	UNKN	RESERVE SHUTDOWN
110	Reserve Shutdown	07/23/2018	21:59:00	07/24/2018	06:22:00	8.38	0	0000	UNKN	RESERVE SHUTDOWN
111	Reserve Shutdown	07/25/2018	00:44:00	07/25/2018	13:00:00	12.27	0	0000	UNKN	RESERVE SHUTDOWN
112	Reserve Shutdown	07/25/2018	22:46:00	07/26/2018	12:08:00	13.37	0	0000	UNKN	RESERVE SHUTDOWN
113	Reserve Shutdown	07/26/2018	22:09:00	07/27/2018	11:05:00	12.93	0	0000	UNKN	RESERVE SHUTDOWN
114	Reserve Shutdown	07/28/2018	20:26:00	07/29/2018	11:28:00	15.03	0	0000	UNKN	RESERVE SHUTDOWN
115	Reserve Shutdown	07/29/2018	23:40:00	07/30/2018	11:00:00	11.33	0	0000	UNKN	RESERVE SHUTDOWN
116	Reserve Shutdown	07/30/2018	21:26:00	07/31/2018	12:45:00	15.32	0	0000	UNKN	RESERVE SHUTDOWN

Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)

Unit: BAYSIDE ST2 MDC: 308 Run Date: 8/8/2018

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
35	Full Forced Immed	07/23/2018	09:21:00	07/23/2018	10:21:00	1	0	3149	COND	ST-2 LOSS OF VACUUM TRIP DURING AIR REMOV/
36	Partial Maintenance	07/03/2018	06:36:00	07/05/2018	14:35:00	55.98	231	3899	BLPT	ST2 Derating - 2B Boiler Feed Pump Replacement
37	Partial Maintenance	07/07/2018	06:42:00	07/07/2018	13:03:00	6.35	231	3899	BLPT	ST2 Derating - 2B CT Performed coupling balance sho
38	Partial Forced Immed	07/07/2018	13:05:00	07/07/2018	13:17:00	0.2	231	3899	BLPT	ST2 Derating - 2B CT Tripped on triple high drum level
39	Partial Maintenance	07/14/2018	10:18:00	07/20/2018	16:30:00	1.03	231	3899	BLPT	ST2 Derating - 2C CT Tube leak repairs
39	Partial Maintenance	07/14/2018	10:18:00	07/20/2018	16:30:00	115.17	231	3899	BLPT	ST2 Derating - 2C CT Tube leak repairs
39	Partial Maintenance	07/14/2018	10:18:00	07/20/2018	16:30:00	34	231	3899	BLPT	ST2 Derating - 2C CT Tube leak repairs
40	Partial Maintenance	07/24/2018	22:36:00	07/25/2018	10:35:00	11.98	231	3620	BLPT	ST2 Derating - 2C CT Out of service during relocation c
41	Partial Forced Immed	07/01/2018	10:48:00	07/01/2018	12:22:00	1.57	231	8780	CEM	ST2 Derating - 2D CT CEMS card failure and replacem
42	Partial Maintenance	07/11/2018	12:10:00	07/14/2018	07:30:00	67.33	231	3899	BLPT	ST2 Derating - 2D HRSG tube leak repairs
43	Partial Forced Immed	07/14/2018	09:18:00	07/14/2018	11:20:00	1	231	3899	BLPT	ST2 Derating - 2D HRSG tripped on triple low IP drum l
43	Partial Forced Immed	07/14/2018	09:18:00	07/14/2018	11:20:00	1.03	231	3899	BLPT	ST2 Derating - 2D HRSG tripped on triple low IP drum l
44	Partial Maintenance	07/19/2018	06:30:00	07/26/2018	22:16:00	34	231	3899	BLPT	ST2 Derating - 2D HRSG Tube leak repairs
44	Partial Maintenance	07/19/2018	06:30:00	07/26/2018	22:16:00	64.85	231	3899	BLPT	ST2 Derating - 2D HRSG Tube leak repairs
44	Partial Maintenance	07/19/2018	06:30:00	07/26/2018	22:16:00	1	231	3899	BLPT	ST2 Derating - 2D HRSG Tube leak repairs
44	Partial Maintenance	07/19/2018	06:30:00	07/26/2018	22:16:00	36.25	231	3899	BLPT	ST2 Derating - 2D HRSG Tube leak repairs
44	Partial Maintenance	07/19/2018	06:30:00	07/26/2018	22:16:00	11.98	231	3899	BLPT	ST2 Derating - 2D HRSG Tube leak repairs
44	Partial Maintenance	07/19/2018	06:30:00	07/26/2018	22:16:00	35.68	231	3899	BLPT	ST2 Derating - 2D HRSG Tube leak repairs

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**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BAYSIDE CT2A MDC: 158 Run Date: 8/8/2018

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	Reserve Shutdown	07/02/2018	00:07:00	07/02/2018	09:44:00	9.62	0	0000	UNKN	RESERVE SHUTDOWN
64	Reserve Shutdown	07/03/2018	00:09:00	07/03/2018	09:56:00	9.78	0	0000	UNKN	RESERVE SHUTDOWN
65	Reserve Shutdown	07/03/2018	18:18:00	07/04/2018	07:28:00	13.17	0	0000	UNKN	RESERVE SHUTDOWN
66	Reserve Shutdown	07/04/2018	16:10:00	07/05/2018	09:38:00	17.47	0	0000	UNKN	RESERVE SHUTDOWN
67	Reserve Shutdown	07/05/2018	19:15:00	07/06/2018	10:27:00	15.2	0	0000	UNKN	RESERVE SHUTDOWN
68	Reserve Shutdown	07/06/2018	23:35:00	07/07/2018	11:28:00	11.88	0	0000	UNKN	RESERVE SHUTDOWN
69	Reserve Shutdown	07/08/2018	22:34:00	07/09/2018	10:42:00	12.13	0	0000	UNKN	RESERVE SHUTDOWN
70	Reserve Shutdown	07/10/2018	23:17:00	07/11/2018	06:27:00	7.17	0	0000	UNKN	RESERVE SHUTDOWN
71	Reserve Shutdown	07/12/2018	20:10:00	07/13/2018	08:08:00	11.97	0	0000	UNKN	RESERVE SHUTDOWN
72	Reserve Shutdown	07/14/2018	02:09:00	07/14/2018	12:39:00	10.5	0	0000	UNKN	RESERVE SHUTDOWN
73	Reserve Shutdown	07/15/2018	11:03:00	07/16/2018	09:09:00	22.1	0	0000	UNKN	RESERVE SHUTDOWN
74	Reserve Shutdown	07/17/2018	21:57:00	07/18/2018	10:43:00	12.77	0	0000	UNKN	RESERVE SHUTDOWN
75	Reserve Shutdown	07/18/2018	17:21:00	07/19/2018	08:02:00	14.68	0	0000	UNKN	RESERVE SHUTDOWN
76	Reserve Shutdown	07/20/2018	00:31:00	07/20/2018	09:23:00	8.87	0	0000	UNKN	RESERVE SHUTDOWN
77	Reserve Shutdown	07/21/2018	21:03:00	07/22/2018	08:12:00	11.15	0	0000	UNKN	RESERVE SHUTDOWN
78	Reserve Shutdown	07/22/2018	22:56:00	07/23/2018	11:31:00	12.58	0	0000	UNKN	RESERVE SHUTDOWN
79	Reserve Shutdown	07/24/2018	00:42:00	07/24/2018	13:33:00	12.85	0	0000	UNKN	RESERVE SHUTDOWN
80	Reserve Shutdown	07/26/2018	18:40:00	07/27/2018	11:48:00	17.13	0	0000	UNKN	RESERVE SHUTDOWN
81	Reserve Shutdown	07/27/2018	23:52:00	07/28/2018	11:22:00	11.5	0	0000	UNKN	RESERVE SHUTDOWN
82	Reserve Shutdown	07/28/2018	21:42:00	07/29/2018	10:24:00	12.7	0	0000	UNKN	RESERVE SHUTDOWN
83	Reserve Shutdown	07/29/2018	19:38:00	07/30/2018	11:29:00	15.85	0	0000	UNKN	RESERVE SHUTDOWN
84	Reserve Shutdown	07/30/2018	19:13:00	07/31/2018	10:35:00	15.37	0	0000	UNKN	RESERVE SHUTDOWN
85	Reserve Shutdown	07/31/2018	22:32:00	07/31/2018	23:59:00	1.45	0	0000	UNKN	RESERVE SHUTDOWN

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**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BAYSIDE CT2B MDC: 158 Run Date: 8/8/2018

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
66	Reserve Shutdown	07/01/2018	00:00:00	07/01/2018	11:05:00	11.08	0	0000	UNKN	RESERVE SHUTDOWN
67	Reserve Shutdown	07/01/2018	21:15:00	07/02/2018	10:39:00	13.4	0	0000	UNKN	RESERVE SHUTDOWN
68	Reserve Shutdown	07/02/2018	20:53:00	07/03/2018	06:35:00	9.7	0	0000	UNKN	RESERVE SHUTDOWN
69	Maintenance Outage	07/03/2018	06:36:00	07/05/2018	14:35:00	55.98	0	3899	BLPT	REPLACEMENT OF 2B BOILER FEED PUMP
70	Reserve Shutdown	07/05/2018	14:36:00	07/05/2018	15:07:00	0.52	0	0000	UNKN	RESERVE SHUTDOWN
71	Reserve Shutdown	07/05/2018	23:25:00	07/06/2018	06:41:00	7.27	0	0000	UNKN	RESERVE SHUTDOWN
72	Maintenance Outage	07/07/2018	06:42:00	07/07/2018	13:03:00	6.35	0	3899	BLPT	COUPLING BALANCE SHOT OF 2B BOILER FEED P
73	Full Forced Immed	07/07/2018	13:05:00	07/07/2018	13:17:00	0.2	0	3899	BLPT	TRIPPED ON TRIPPLE HIGH DRUM LEVEL IN THE F
74	Reserve Shutdown	07/07/2018	18:50:00	07/08/2018	12:31:00	17.68	0	0000	UNKN	RESERVE SHUTDOWN
75	Reserve Shutdown	07/12/2018	23:34:00	07/13/2018	11:07:00	11.55	0	0000	UNKN	RESERVE SHUTDOWN
76	Reserve Shutdown	07/21/2018	23:28:00	07/22/2018	09:45:00	10.28	0	0000	UNKN	RESERVE SHUTDOWN
77	Reserve Shutdown	07/23/2018	00:37:00	07/23/2018	12:03:00	11.43	0	0000	UNKN	RESERVE SHUTDOWN
78	Reserve Shutdown	07/27/2018	23:20:00	07/28/2018	10:03:00	10.72	0	0000	UNKN	RESERVE SHUTDOWN
79	Reserve Shutdown	07/28/2018	19:22:00	07/29/2018	09:42:00	14.33	0	0000	UNKN	RESERVE SHUTDOWN
80	Reserve Shutdown	07/29/2018	18:05:00	07/30/2018	10:17:00	16.2	0	0000	UNKN	RESERVE SHUTDOWN
81	Reserve Shutdown	07/30/2018	23:42:00	07/31/2018	23:59:00	24.28	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BAYSIDE CT2C MDC: 158 Run Date: 8/8/2018

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
66	Reserve Shutdown	06/30/2018	01:10:00	07/01/2018	09:18:00	9.3	0	0000	UNKN	RESERVE SHUTDOWN
67	Reserve Shutdown	07/03/2018	21:46:00	07/04/2018	10:57:00	13.18	0	0000	UNKN	RESERVE SHUTDOWN
68	Reserve Shutdown	07/04/2018	18:11:00	07/05/2018	11:15:00	17.07	0	0000	UNKN	RESERVE SHUTDOWN
69	Reserve Shutdown	07/06/2018	00:05:00	07/06/2018	13:47:00	13.7	0	0000	UNKN	RESERVE SHUTDOWN
70	Reserve Shutdown	07/06/2018	21:27:00	07/07/2018	10:23:00	12.93	0	0000	UNKN	RESERVE SHUTDOWN
71	Reserve Shutdown	07/08/2018	00:20:00	07/08/2018	10:16:00	9.93	0	0000	UNKN	RESERVE SHUTDOWN
72	Reserve Shutdown	07/08/2018	19:58:00	07/09/2018	08:36:00	12.63	0	0000	UNKN	RESERVE SHUTDOWN
73	Reserve Shutdown	07/09/2018	22:22:00	07/10/2018	05:44:00	7.37	0	0000	UNKN	RESERVE SHUTDOWN
74	Reserve Shutdown	07/13/2018	23:52:00	07/14/2018	10:17:00	10.42	0	0000	UNKN	RESERVE SHUTDOWN
75	Maintenance Outage	07/14/2018	10:18:00	07/20/2018	16:30:00	150.2	0	3899	BLPT	2C HRSG TUBE LEAK REPAIRS
76	Reserve Shutdown	07/20/2018	16:31:00	07/21/2018	11:48:00	19.28	0	0000	UNKN	RESERVE SHUTDOWN
77	Maintenance Outage	07/24/2018	22:36:00	07/25/2018	10:35:00	11.98	0	3620	BLPT	2C out of service during relocation of reserve transferr
78	Reserve Shutdown	07/25/2018	10:36:00	07/25/2018	11:24:00	0.8	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(07/01/2018 - 07/31/2018)**

Unit: BAYSIDE CT2D MDC: 158 Run Date: 8/8/2018

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
67	Reserve Shutdown	07/01/2018	00:00:00	07/01/2018	10:47:00	10.78	0	0000	UNKN	RESERVE SHUTDOWN
68	Full Forced Immed	07/01/2018	10:48:00	07/01/2018	12:22:00	1.57	0	8780	CEM	CARD FAILED
69	Reserve Shutdown	07/01/2018	12:23:00	07/01/2018	15:05:00	2.7	0	0000	UNKN	RESERVE SHUTDOWN
70	Reserve Shutdown	07/07/2018	19:46:00	07/08/2018	08:46:00	13	0	0000	UNKN	RESERVE SHUTDOWN
71	Reserve Shutdown	07/08/2018	23:58:00	07/09/2018	11:40:00	11.7	0	0000	UNKN	RESERVE SHUTDOWN
72	Reserve Shutdown	07/11/2018	01:51:00	07/11/2018	12:09:00	10.3	0	0000	UNKN	RESERVE SHUTDOWN
73	Maintenance Outage	07/11/2018	12:10:00	07/14/2018	07:30:00	67.33	0	3899	BLPT	2D HRSG TUBE LEAK REPAIRS
74	Reserve Shutdown	07/14/2018	07:31:00	07/14/2018	09:16:00	1.75	0	0000	UNKN	RESERVE SHUTDOWN
75	Full Forced Immed	07/14/2018	09:18:00	07/14/2018	11:20:00	2.03	0	3899	BLPT	2D HRSG TRIPPED ON TRIPLE LOW IP DRUM LEVEL
76	Reserve Shutdown	07/14/2018	20:14:00	07/15/2018	09:43:00	13.48	0	0000	UNKN	RESERVE SHUTDOWN
77	Reserve Shutdown	07/15/2018	22:19:00	07/16/2018	06:36:00	8.28	0	0000	UNKN	RESERVE SHUTDOWN
78	Reserve Shutdown	07/16/2018	22:50:00	07/17/2018	09:34:00	10.73	0	0000	UNKN	RESERVE SHUTDOWN
79	Reserve Shutdown	07/19/2018	01:03:00	07/19/2018	06:29:00	5.43	0	0000	UNKN	RESERVE SHUTDOWN
80	Maintenance Outage	07/19/2018	06:30:00	07/26/2018	22:16:00	183.77	0	3899	BLPT	2D HRSG TUBE LEAK REPAIRS
81	Reserve Shutdown	07/26/2018	22:17:00	07/27/2018	09:32:00	11.25	0	0000	UNKN	RESERVE SHUTDOWN

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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 ₂	Carbon Dioxide	LVDT	Linear Variable Differential Transducer
COS	Carbonyl Sulfide	MAC	Main Air Compressor
CRH	Cold Reheat	MkVle	Mark 6e GE Logic Controller
CSC	Convective Syngas Coolers	MOC	Motor Operated Control
CT	Combustion Turbine	MOV	Motor Operated Valve
DA	Deaerator	N ₂	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
HRSR	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		