

# AUSLEY & McMULLEN

ATTORNEYS AND COUNSELORS AT LAW

123 SOUTH CALHOUN STREET  
P.O. BOX 391 (ZIP 32302)  
TALLAHASSEE, FLORIDA 32301  
(850) 224-9115 FAX (850) 222-7560

November 26, 2018  
**ELECTRONIC FILING**

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

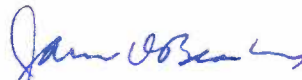
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance  
Incentive Factor; FPSC Docket No. 20180001-EI

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 October 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 26th day of November 2018 to the following:

Ms. Suzanne Brownless  
Office of the General Counsel  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850  
[sbrownle@psc.state.fl.us](mailto:sbrownle@psc.state.fl.us)

Ms. Patricia A. Christensen  
Associate Public Counsel  
Office of Public Counsel  
111 West Madison Street – Room 812  
Tallahassee, FL 32399-1400  
[christensen.patty@leg.state.fl.us](mailto:christensen.patty@leg.state.fl.us)

Ms. Dianne M. Triplett  
Duke Energy Florida, Inc.  
299 First Avenue North  
St. Petersburg, FL 33701  
[Dianne.triplett@duke-energy.com](mailto:Dianne.triplett@duke-energy.com)

Mr. Matthew R. Bernier  
Senior Counsel  
Duke Energy Florida, Inc.  
106 East College Avenue, Suite 800  
Tallahassee, FL 32301-7740  
[Matthew.bernier@duke-energy.com](mailto:Matthew.bernier@duke-energy.com)

Mr. Jon C Moyle, Jr.  
Moyle Law Firm  
118 North Gadsden Street  
Tallahassee, FL 32301  
[jmoyle@moylelaw.com](mailto:jmoyle@moylelaw.com)

C. Shane Boyett  
Regulatory & Cost Recovery Manager  
Gulf Power Company  
One Energy Place  
Pensacola, FL 32520-0780  
[csboyett@southernco.com](mailto:csboyett@southernco.com)

Ms. Beth Keating  
Gunster, Yoakley & Stewart, P.A.  
215 S. Monroe St., Suite 601  
Tallahassee, FL 32301  
[bkeating@gunster.com](mailto:bkeating@gunster.com)

Mr. John T. Butler  
Maria Moncada  
Assistant General Counsel – Regulatory  
Florida Power & Light Company  
700 Universe Boulevard (LAW/JB)  
Juno Beach, FL 33408-0420  
[john.butler@fpl.com](mailto:john.butler@fpl.com)  
[maria.moncada@fpl.com](mailto:maria.moncada@fpl.com)

Mr. Kenneth Hoffman  
Vice President, Regulatory Relations  
Florida Power & Light Company  
215 South Monroe Street, Suite 810  
Tallahassee, FL 32301-1859  
[ken.hoffman@fpl.com](mailto:ken.hoffman@fpl.com)

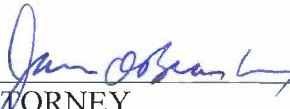
Mr. Mike Cassel  
Regulatory and Governmental Affairs  
Florida Public Utilities Company  
Florida Division of Chesapeake Utilities Corp.  
1750 SW 14th Street, Suite 200  
Fernandina Beach, FL 32034  
[mcassel@fpuc.com](mailto:mcassel@fpuc.com)

Mr. Jeffrey A. Stone  
General Counsel  
Gulf Power Company  
One Energy Place  
Pensacola, FL 32520-0100  
[jastone@southernco.com](mailto:jastone@southernco.com)

Mr. Robert Scheffel Wright  
Mr. John T. LaVia, III  
Gardner, Bist, Wiener, Wadsworth,  
Bowden, Bush, Dee, LaVia & Wright, P.A.  
1300 Thomaswood Drive  
Tallahassee, FL 32308  
[Schef@gbwlegal.com](mailto:Schef@gbwlegal.com)  
[Jlavia@gbwlegal.com](mailto:Jlavia@gbwlegal.com)

Mr. Russell A. Badders  
Mr. Steven R. Griffin  
Beggs & Lane  
Post Office Box 12950  
Pensacola, FL 32591  
[rab@beggslane.com](mailto:rab@beggslane.com)  
[srg@beggslane.com](mailto:srg@beggslane.com)

Mr. James W. Brew  
Ms. Laura A. Wynn  
Stone Mattheis Xenopoulos & Brew, PC  
1025 Thomas Jefferson Street, NW  
Eighth Floor, West Tower  
Washington, D.C. 20007-5201  
[jbrew@smxblaw.com](mailto:jbrew@smxblaw.com)  
[laura.wynn@smxblaw.com](mailto:laura.wynn@smxblaw.com)

  
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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			70.8
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	503.5	549.5	743.0	271.0	0.0	224.3	150.6	356.0	720.0	475.9			3993.9
4. RSH	180.2	36.8	0.0	0.0	2.3	442.7	519.7	313.0	0.0	268.1			1762.8
5. UH	60.3	85.7	0.0	449.0	741.7	53.0	73.6	75.0	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			1190.7
7. FOH	60.3	85.7	0.0	0.0	0.0	53.0	34.3	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			114.3
9. PFOH	327.6	235.1	0.0	0.0	0.0	0.0	0.0	11.6	39.4	19.4			633.0
10. LR PF (MW)	44.1	9.6	0.0	0.0	0.0	0.0	0.0	175.0	104.3	5.0			36.2
11. PMOH	744.0	672.3	743.5	720.0	0.0	1.0	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			66.3
13. NSC (MW)	395	395	395	385	340	340	340	340	340	340			361
14. OPR BTU(GBTU)	732.3050	1006.8930	1196.0500	500.0300	0.0000	306.2350	224.0410	587.8920	1240.1611	757.6492			6551.2563
15. NET GEN (MWH)	62029	94369	105001	48780	0	26562	19643	47786	102138	61799			568107
16. ANOHR (BTU/KWH)	11806	10670	11391	10251	0	11529	11406	12303	12142	12260			11532
17. NOF (%)	31.2	43.5	35.8	46.8	0.0	34.8	38.3	39.5	41.7	38.2			39.4
18. NPC (MW)	395	395	395	385	340	340	340	340	340	340			361
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			72.5
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	492.1	390.2	384.5	540.9	679.6	691.9	664.0	741.1	506.2	546.3			5636.8
4. RSH	0.0	23.6	0.0	0.0	0.0	28.1	50.1	0.0	0.0	133.7			235.4
5. UH	251.9	258.2	358.5	179.1	64.4	0.0	29.9	2.9	213.8	64.0			1422.7
6. POH	0.0	0.0	358.5	112.3	0.0	0.0	0.0	0.0	0.0	0.0			470.8
7. FOH	251.9	258.2	0.0	0.0	64.4	0.0	0.8	2.9	72.0	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			301.8
9. PFOH	787.0	672.0	743.0	645.0	1.7	264.4	57.2	141.1	55.5	22.1			3388.9
10. LR PF (MW)	33.4	105.2	84.2	38.8	40.0	46.4	0.0	96.9	101.9	110.9			64.5
11. PMOH	0.0	0.0	0.0	2.0	0.0	2.4	2.7	0.0	0.7	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			165.3
13. NSC (MW)	400	400	400	395	395	395	345	345	345	345			377
14. OPR BTU(GBTU)	1798.7949	987.5843	1084.0753	1965.2639	2635.8096	2359.6073	991.3420	1213.2032	903.2102	1186.3123			15125.2030
15. NET GEN (MWH)	163854	85845	90768	181082	247448	219091	87639	100627	77828	106431			1360613
16. ANOHR BTU/KWH	10978	11504	11943	10853	10652	10770	11312	12056	11605	11146			11116
17. NOF (%)	83.2	55.0	59.0	84.8	92.2	80.2	38.3	39.4	44.6	56.5			64.1
18. NPC (MW)	400	400	400	395	395	395	345	345	345	345			377
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			63.8
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	744.0	69.0	59.2	720.0	635.9	523.4	744.0	744.0	720.0	610.5			5570.0
4. RSH	0.0	147.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	133.5			280.6
5. UH	0.0	456.0	683.8	0.0	108.1	196.6	0.0	0.0	0.0	0.0			1444.4
6. POH	0.0	456.0	683.8	0.0	0.0	0.0	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	0.0	0.0	0.0			304.7
8. MOH	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			10659.6
10. LR PF (MW)	43.4	84.2	0.0	49.9	23.3	25.0	81.8	93.9	82.0	83.2			47.9
11. PMOH	0.0	0.0	0.0	6.3	5.9	5.0	16.4	0.0	34.6	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			197.7
13. NSC (MW)	442	442	442	437	437	437	437	437	437	437			439
14. OPR BTU(GBTU)	2713.8402	129.6618	163.7140	2755.0214	2397.7246	1977.6829	2766.8860	2680.4266	2547.9461	1854.1556			19987.0593
15. NET GEN (MWH)	254243	13470	15848	260531	213939	181524	249646	247319	238823	192564			1867907
16. ANOHR BTU/KWH	10674	9626	10330	10575	11208	10895	11083	10838	10669	9629			10700
17. NOF (%)	77.3	44.2	60.5	82.8	77.0	79.4	76.8	76.1	75.9	72.2			76.5
18. NPC (MW)	442	442	442	437	437	437	437	437	437	437			439
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			69.7
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	567.8	669.2	384.2	454.4	648.7	603.2	708.1	740.3	363.2	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			305.6
5. UH	176.2	2.8	346.2	129.0	47.8	8.0	35.9	3.8	356.8	744.0			1850.5
6. POH	0.0	0.0	147.2	0.0	0.0	0.0	0.0	0.0	356.8	744.0			1248.0
7. FOH	176.2	2.8	199.0	95.3	3.3	8.0	35.9	3.8	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			78.1
9. PFOH	236.6	121.2	171.5	720.0	744.0	577.2	239.6	100.9	3.3	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			25.2
11. PMOH	0.0	0.0	420.7	0.0	0.0	0.0	0.0	0.0	497.5	744.0			1662.2
12. LR PM (MW)	0.0	0.0	4.4	0.0	0.0	0.0	0.0	0.0	14.1	0.0			5.4
13. NSC (MW)	220	220	220	220	220	220	245	245	245	245			230
14. OPR BTU(GBTU)	1332.1999	1559.7320	703.7845	552.8960	629.9650	969.9011	1435.0611	1760.5749	652.5832	0.0000			9596.6977
15. NET GEN (MWH)	126117	152887	69570	60461	67992	79644	141705	167216	68117	-2588			931121
16. ANOHR BTU/KWH	10563	10202	10116	9145	9265	12178	10127	10529	9580	0			10307
17. NOF (%)	101.0	103.9	82.3	60.5	47.6	60.0	81.7	92.2	76.6	0.0			78.8
18. NPC (MW)	220	220	220	220	220	220	245	245	245	245			230
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	88.1	97.1	98.9	88.6	99.9	99.8	99.7	98.4	94.9			95.4
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	743.0	672.0	743.0	720.0	656.7	720.0	744.0	741.0	712.0	702.0			7153.7
4. RSH	44.6	29.5	6.8	35.7	105.1	15.8	13.5	30.9	22.5	19.1			323.4
5. UH	42.5	47.3	10.6	4.4	79.9	0.0	0.0	1.7	7.0	22.3			215.8
6. POH	20.6	47.3	5.6	0.0	0.0	0.0	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	0.5	6.4	0.5			34.6
8. MOH	10.1	0.0	0.0	0.0	73.9	0.0	0.0	1.2	0.7	21.8			107.6
9. PFOH	656.7	0.9	91.8	30.4	6.2	6.1	6.0	4.9	44.5	5.1			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			50.6
11. PMOH	204.7	315.3	37.3	0.0	49.5	5.8	0.0	0.0	0.0	154.1			766.6
12. LR PM (MW)	123.0	125.0	125.0	0.0	95.5	115.0	0.0	0.0	0.0	106.0			118.7
13. NSC (MW)	1200	1200	1200	1061	1061	1061	1061	1061	1061	1061			1103
14. OPR BTU(GBTU)	4009.5850	3482.8960	4694.5570	4117.4190	3268.5620	4321.0599	4692.8080	4404.2980	4397.2170	4356.1722			41744.5742
15. NET GEN (MWH)	586465	538133	728981	634576	473543	648403	674389	634827	624890	638721			6182928
16. ANOHR BTU/KWH	6837	6472	6440	6488	6902	6664	6959	6938	7037	6820			6752
17. NOF (%)	65.8	66.7	81.8	83.1	68.0	84.9	85.4	80.7	82.7	85.8			78.4
18. NPC (MW)	1200	1200	1200	1061	1061	1061	1061	1061	1061	1061			1103
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 (%)	96.9	99.7	97.8	57.2	99.2	100.0	100.0	97.5	99.9	77.9			92.6
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	670.6	672.0	743.0	422.0	744.0	720.0	744.0	734.0	720.0	582.0			6751.6
4. RSH	58.5	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			493.5
6. POH	0.0	0.0	0.0	298.4	0.0	0.0	0.0	0.0	0.0	160.1			458.5
7. FOH	0.0	0.0	8.3	0.0	0.0	0.0	0.0	1.6	0.0	1.5			11.4
8. MOH	15.0	0.0	0.0	0.0	0.0	0.0	0.0	8.5	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			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			80.3
11. PMOH	39.9	9.9	55.6	48.8	45.0	0.0	0.0	75.6	7.7	23.3			305.9
12. LR PM (MW)	82.0	82.0	82.0	128.2	79.0	0.0	0.0	79.0	79.0	79.0			87.9
13. NSC (MW)	792	792	792	701	701	701	701	701	701	701			728
14. OPR BTU(GBTU)	1633.0960	2454.5140	2329.2960	1223.2730	2130.9140	2323.0760	2270.9850	2084.9620	2209.4130	1653.3620			20312.8910
15. NET GEN (MWH)	217843	332848	308710	162902	285477	306014	307294	281179	295733	217768			2715769
16. ANOHR (BTU/KWH)	7497	7374	7545	7509	7464	7591	7390	7415	7471	7592			7480
17. NOF (%)	41.0	62.5	52.5	55.1	54.7	60.6	58.9	54.6	58.6	53.4			55.2
18. NPC (MW)	792	792	792	701	701	701	701	701	701	701			728
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			73.3
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	695.6	0.0	0.0	405.0	708.2	720.0	743.0	736.0	720.0	744.0			5471.8
4. RSH	0.0	0.0	0.0	12.8	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			1839.8
6. POH	12.6	672.0	743.0	290.4	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			81.0
8. MOH	0.0	0.0	0.0	0.0	40.8	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			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			75.8
11. PMOH	231.8	0.0	0.0	3.5	8.3	272.0	475.6	176.2	210.8	171.3			1549.4
12. LR PM (MW)	79.3	0.0	0.0	77.0	77.0	72.7	34.2	75.5	77.0	73.0			62.8
13. NSC (MW)	1047	1047	1047	929	929	929	929	929	929	929			964
14. OPR BTU(GBTU)	1818.3620	0.0000	0.0000	1418.0970	2605.2610	2515.5910	2584.7760	2907.1750	2938.8620	3123.0520			19911.1760
15. NET GEN (MWH)	232588	-3128	-3411	187162	347726	330641	349617	392400	394088	412229			2639911
16. ANOHR (BTU/KWH)	7818	0	0	7577	7492	7608	7393	7409	7457	7576			7542
17. NOF (%)	31.9	0.0	0.0	49.7	52.9	49.4	50.7	57.4	58.9	59.6			50.0
18. NPC (MW)	1047	1047	1047	929	929	929	929	929	929	929			964
19. ANOHR EQUATION	ANOHR = NOF ( -4.675 ) + 7,715												

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**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BIG BEND 2      MDC: 410      Run Date: 11/6/2018**

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
44	Noncurtailing	10/03/2018	00:30:00	10/03/2018	00:50:00	0.33	120	4268	TURB	Main turbine valve testing
45	Noncurtailing	10/11/2018	00:30:00	10/11/2018	00:50:00	0.33	120	4268	TURB	Main turbine valve testing
46	Noncurtailing	10/17/2018	00:20:00	10/17/2018	00:50:00	0.5	120	4268	TURB	Main turbine valve testing
47	Partial Forced Immed	10/17/2018	15:45:00	10/18/2018	11:10:00	19.42	350	0385	BLR	Three gas igniters unavailable
48	Reserve Shutdown	10/20/2018	19:52:00	01/01/2019	00:00:00	268.13	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BIG BEND 3      MDC: 420      Run Date: 11/6/2018**

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	Maintenance Outage	09/25/2018	02:07:00	10/03/2018	16:00:00	64	0	1000	BLR	Waterwall tube repair
57	Reserve Shutdown	10/03/2018	16:00:00	10/06/2018	12:17:00	68.28	0	0000	UNKN	RESERVE SHUTDOWN
58	Partial Forced Immed	10/12/2018	14:35:00	10/12/2018	15:30:00	0.92	200	3260	BLPT	B traveling screen out of service (waterfall)
59	Partial Forced Delayed	10/16/2018	06:51:00	10/16/2018	10:20:00	3.48	225	3230	BLPT	A Debris filter gearbox bound up.
60	Partial Forced Immed	10/17/2018	14:14:00	10/17/2018	21:50:00	7.6	225	3230	BLPT	A Debris filter gearbox bound up.
61	Reserve Shutdown	10/22/2018	21:49:00	10/25/2018	15:11:00	65.37	0	0000	UNKN	RESERVE SHUTDOWN
62	Partial Forced Immed	10/28/2018	10:55:00	10/28/2018	21:00:00	10.08	280	1472	BLR	A ID Fan tripped due to coupling failure

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BIG BEND 4 MDC: 470 Run Date: 11/6/2018**

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	248.5	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	4.67	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	14.83	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	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	1	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	4.75	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	79.98	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	26.47	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	133.53	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	125.75	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	8.5	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	10	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	22.5	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	20.88	400	8262	POLL C Booster fan amp limits	
46	Partial Forced Immed	06/22/2018	09:00:00	01/01/2019	00:00:00	36.63	400	8262	POLL C Booster fan amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	248.5	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	4.67	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	14.83	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	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	1	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	4.75	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	79.98	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	26.47	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	133.53	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	125.75	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	8.5	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	10	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	22.5	390	1455	BLR ID Fans high amp limits	
59	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	20.88	390	1455	BLR ID Fans high amp limits	

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BIG BEND 4      MDC: 470      Run Date: 11/6/2018**

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	Partial Forced Immed	07/24/2018	14:30:00	01/01/2019	00:00:00	36.63	390	1455	BLR	ID Fans high amp limits
76	Partial Forced Immed	09/30/2018	14:43:00	01/01/2019	00:00:00	248.5	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	4.67	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	14.83	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	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	1	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	4.75	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	79.98	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	26.47	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	133.53	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	125.75	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	8.5	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	10	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	22.5	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	20.88	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	36.63	385	8551	POLL	High PM indications.T/R sets grounded
77	Partial Forced Delayed	10/11/2018	08:30:00	10/11/2018	13:10:00	4.67	335	8699	POLL	Environmental testing. Coal fire only.
78	Partial Forced Immed	10/12/2018	04:00:00	10/12/2018	10:00:00	6	225	8551	POLL	High PM indications.T/R sets grounded
79	Partial Forced Delayed	10/12/2018	11:00:00	10/12/2018	15:45:00	4.75	335	9650	RS&E	Stack mercury testing.
80	Partial Forced Immed	10/17/2018	21:30:00	10/18/2018	06:00:00	8.5	375	1510	BLR	High CO limit reached. Suspect flue gas duct leaks.
81	Partial Forced Immed	10/18/2018	16:00:00	10/19/2018	14:30:00	22.5	375	8551	POLL	High PM indications.T/R sets grounded
82	Partial Forced Immed	10/19/2018	14:30:00	10/20/2018	11:23:00	20.88	350	1510	BLR	High CO limit reached. Suspect flue gas duct leaks.
83	Partial Forced Immed	10/20/2018	11:23:00	10/22/2018	00:01:00	36.63	335	1510	BLR	High CO limit reached. Suspect flue gas duct leaks.
84	Partial Forced Immed	10/25/2018	08:00:00	10/26/2018	10:28:00	26.47	160	8260	POLL	C Booster fan tripped due to high vibration limit. Natur
85	Reserve Shutdown	10/26/2018	10:28:00	11/01/2018	07:00:00	133.53	0	0000	UNKN	RESERVE SHUTDOWN

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**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: POLK 1      MDC: 290      Run Date: 11/6/2018**

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	01/01/2019	00:00:00	744	200	6399	GASF	Gasification planned outage
61	Planned Outage	09/17/2018	12:36:00	01/01/2019	00:00:00	744	0	5260	GAST	GTG Rotor replacement/HARP replacement, restart fo

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: POLK 2ST      MDC: 479      Run Date: 11/6/2018**

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
57	Partial Forced Immed	10/31/2018	07:05:00	10/31/2018	09:44:00	2.65	374	5190	GAST	GTG2 Lift Oil solenoid failure, prevented GTG from go
58	Partial Forced Immed	10/09/2018	06:26:00	10/09/2018	07:42:00	1.27	374	6299	COMB	HRSG2 Hot Reheat Spray Valve failed to control, DivC
59	Partial Maintenance	10/21/2018	21:07:00	10/28/2018	07:12:00	154.08	374	6299	COMB	HRSG/GTG 5 Clean-up Outage, GTG Water Wash, HI
60	Partial Forced Immed	10/08/2018	22:13:00	10/08/2018	23:25:00	1.2	377	5049	GAST	GTG#2 tripped during Liquid Fuel Testing



**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: POLK 2      MDC: 151      Run Date: 11/6/2018**

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
55	Reserve Shutdown	10/02/2018	21:18:00	10/03/2018	09:20:00	12.03	0	0000	UNKN	RESERVE SHUTDOWN
56	Full Forced Immed	10/08/2018	22:13:00	10/08/2018	23:25:00	1.2	0	5049	GAST	GTG tripped during Liquid Fuel Testing
57	Reserve Shutdown	10/09/2018	06:26:00	10/09/2018	07:42:00	1.27	0	0000	UNKN	RESERVE SHUTDOWN
58	Reserve Shutdown	10/31/2018	01:05:00	10/31/2018	07:05:00	6	0	0000	UNKN	RESERVE SHUTDOWN
59	Full Forced Immed	10/31/2018	07:05:00	10/31/2018	09:44:00	2.65	0	5190	GAST	Lift Oil solenoid failure, prevented GTG from going on
60	Reserve Shutdown	10/08/2018	23:25:00	10/09/2018	06:26:00	7.02	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: POLK 3      MDC: 151      Run Date: 11/6/2018**

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
62	Reserve Shutdown	10/02/2018	19:45:00	10/03/2018	05:45:00	10	0	0000	UNKN	RESERVE SHUTDOWN
63	Reserve Shutdown	10/05/2018	00:28:00	10/05/2018	09:33:00	9.08	0	0000	UNKN	RESERVE SHUTDOWN
64	Reserve Shutdown	10/06/2018	23:59:00	10/07/2018	08:44:00	8.75	0	0000	UNKN	RESERVE SHUTDOWN
65	Reserve Shutdown	10/07/2018	23:40:00	10/08/2018	06:39:00	6.98	0	0000	UNKN	RESERVE SHUTDOWN
66	Reserve Shutdown	10/13/2018	00:26:00	10/13/2018	08:58:00	8.53	0	0000	UNKN	RESERVE SHUTDOWN
67	Reserve Shutdown	10/14/2018	03:20:00	10/14/2018	10:18:00	6.97	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: POLK 4      MDC: 151      Run Date: 11/6/2018**

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	Reserve Shutdown	10/13/2018	01:47:00	10/13/2018	10:28:00	8.68	0	0000	UNKN	RESERVE SHUTDOWN
57	Reserve Shutdown	10/19/2018	19:53:00	10/20/2018	10:11:00	14.3	0	0000	UNKN	RESERVE SHUTDOWN
58	Reserve Shutdown	10/28/2018	23:46:00	10/29/2018	07:14:00	7.47	0	0000	UNKN	RESERVE SHUTDOWN
59	Reserve Shutdown	10/30/2018	01:06:00	10/30/2018	09:40:00	8.57	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: POLK 5      MDC: 151      Run Date: 11/6/2018**

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
65	Reserve Shutdown	10/07/2018	01:37:00	10/07/2018	09:34:00	7.95	0	0000	UNKN	RESERVE SHUTDOWN
66	Reserve Shutdown	10/14/2018	01:06:00	10/14/2018	08:42:00	7.6	0	0000	UNKN	RESERVE SHUTDOWN
67	Maintenance Outage	10/21/2018	21:07:00	10/28/2018	07:12:00	154.08	0	5299	GAST	Clean-up Outage, GTG Water Wash, HRSG Inspection
68	Reserve Shutdown	10/28/2018	07:12:00	10/28/2018	11:19:00	4.12	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BAYSIDE ST1      MDC: 236      Run Date: 11/6/2018**

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
30	Planned Outage	10/07/2018	20:49:00	10/14/2018	12:56:00	160.12	0	4540	GEN	Unit 1 planned fall outage
31	Partial Maintenance	10/04/2018	08:57:00	10/04/2018	15:45:00	6.8	157	5016	GAST	ST1 Derated - 1B bleed valve faulty actuator
32	Partial Maintenance	10/05/2018	17:38:00	10/05/2018	18:00:00	0.37	157	5016	GAST	ST1 Derated - 1B Bleed Valve actuator was 90 degree
33	Partial Maintenance	10/14/2018	19:57:00	10/15/2018	12:04:00	16.12	157	3620	BLPT	ST1 Derated - 1B buckholtz seal-in and relay damage/

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BAYSIDE CT1A MDC: 158 Run Date: 11/6/2018**

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
151	Planned Outage	10/05/2018	21:46:00	10/14/2018	15:12:00	209.43	0	5272	GAST	Unit 1 planned fall outage
152	Reserve Shutdown	10/15/2018	22:33:00	10/16/2018	05:44:00	7.18	0	0000	UNKN	RESERVE SHUTDOWN
153	Reserve Shutdown	10/16/2018	23:28:00	10/17/2018	09:52:00	10.4	0	0000	UNKN	RESERVE SHUTDOWN
154	Reserve Shutdown	10/17/2018	21:29:00	10/18/2018	06:24:00	8.92	0	0000	UNKN	RESERVE SHUTDOWN
155	Reserve Shutdown	10/18/2018	21:30:00	10/19/2018	06:12:00	8.7	0	0000	UNKN	RESERVE SHUTDOWN
156	Reserve Shutdown	10/20/2018	01:29:00	10/20/2018	11:16:00	9.78	0	0000	UNKN	RESERVE SHUTDOWN
157	Reserve Shutdown	10/21/2018	02:24:00	10/21/2018	11:46:00	9.37	0	0000	UNKN	RESERVE SHUTDOWN
158	Reserve Shutdown	10/24/2018	00:04:00	10/25/2018	06:48:00	30.73	0	0000	UNKN	RESERVE SHUTDOWN
159	Reserve Shutdown	10/29/2018	21:12:00	10/30/2018	12:13:00	15.02	0	0000	UNKN	RESERVE SHUTDOWN
160	Reserve Shutdown	10/30/2018	20:29:00	10/31/2018	13:45:00	17.27	0	0000	UNKN	RESERVE SHUTDOWN
161	Reserve Shutdown	10/31/2018	20:00:00	10/31/2018	23:59:00	3.98	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BAYSIDE CT1B      MDC: 158      Run Date: 11/6/2018**

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
143	Reserve Shutdown	10/01/2018	00:01:00	10/01/2018	05:42:00	5.68	0	0000	UNKN	RESERVE SHUTDOWN
144	Reserve Shutdown	10/01/2018	21:24:00	10/02/2018	05:39:00	8.25	0	0000	UNKN	RESERVE SHUTDOWN
145	Reserve Shutdown	10/02/2018	11:01:00	10/03/2018	11:16:00	24.25	0	0000	UNKN	RESERVE SHUTDOWN
146	Reserve Shutdown	10/03/2018	20:23:00	10/04/2018	08:57:00	12.57	0	0000	UNKN	RESERVE SHUTDOWN
147	Startup Failure	10/04/2018	08:57:00	10/04/2018	15:45:00	6.8	0	5016	GAST	Faulty actuator
148	Maintenance Outage	10/05/2018	17:43:00	10/05/2018	18:00:00	0.28	0	5016	GAST	Actuator position was 90 degrees of
149	Reserve Shutdown	10/05/2018	18:01:00	10/06/2018	09:44:00	15.72	0	0000	UNKN	RESERVE SHUTDOWN
150	Planned Outage	10/06/2018	18:13:00	10/14/2018	14:40:00	188.45	0	5272	GAST	Unit 1 planned fall outage
151	Full Forced Immed	10/14/2018	19:53:00	10/15/2018	12:04:00	16.18	0	4899	GEN	1B buckholtz seal-in and relay damage/burnt up
152	Reserve Shutdown	10/16/2018	01:40:00	10/16/2018	10:22:00	8.7	0	0000	UNKN	RESERVE SHUTDOWN
153	Reserve Shutdown	10/17/2018	22:38:00	10/18/2018	11:17:00	12.65	0	0000	UNKN	RESERVE SHUTDOWN
154	Reserve Shutdown	10/18/2018	23:59:00	10/19/2018	11:02:00	11.05	0	0000	UNKN	RESERVE SHUTDOWN
155	Reserve Shutdown	10/19/2018	20:59:00	10/20/2018	08:32:00	11.55	0	0000	UNKN	RESERVE SHUTDOWN
156	Reserve Shutdown	10/20/2018	22:38:00	10/21/2018	09:16:00	10.63	0	0000	UNKN	RESERVE SHUTDOWN
157	Reserve Shutdown	10/21/2018	19:00:00	10/22/2018	14:03:00	19.05	0	0000	UNKN	RESERVE SHUTDOWN
158	Reserve Shutdown	10/23/2018	01:15:00	10/23/2018	11:44:00	10.48	0	0000	UNKN	RESERVE SHUTDOWN
159	Reserve Shutdown	10/23/2018	21:07:00	10/24/2018	10:01:00	12.9	0	0000	UNKN	RESERVE SHUTDOWN
160	Reserve Shutdown	10/26/2018	23:35:00	10/28/2018	11:01:00	35.43	0	0000	UNKN	RESERVE SHUTDOWN
161	Reserve Shutdown	10/28/2018	22:20:00	10/29/2018	05:46:00	7.43	0	0000	UNKN	RESERVE SHUTDOWN
162	Reserve Shutdown	10/29/2018	23:41:00	10/30/2018	14:53:00	15.2	0	0000	UNKN	RESERVE SHUTDOWN
163	Reserve Shutdown	10/30/2018	23:28:00	10/31/2018	23:59:00	24.52	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BAYSIDE CT1C MDC: 158 Run Date: 11/6/2018**

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
163	Reserve Shutdown	10/01/2018	01:47:00	10/01/2018	11:55:00	10.13	0	0000	UNKN	RESERVE SHUTDOWN
164	Reserve Shutdown	10/02/2018	00:04:00	10/02/2018	11:29:00	11.42	0	0000	UNKN	RESERVE SHUTDOWN
165	Reserve Shutdown	10/03/2018	21:38:00	10/04/2018	10:06:00	12.47	0	0000	UNKN	RESERVE SHUTDOWN
166	Reserve Shutdown	10/04/2018	21:41:00	10/05/2018	10:22:00	12.68	0	0000	UNKN	RESERVE SHUTDOWN
167	Planned Outage	10/07/2018	21:50:00	10/14/2018	02:35:00	148.75	0	5272	GAST	Unit 1 planned fall outage
168	Reserve Shutdown	10/15/2018	01:37:00	10/15/2018	09:24:00	7.78	0	0000	UNKN	RESERVE SHUTDOWN
169	Reserve Shutdown	10/21/2018	23:08:00	10/22/2018	10:24:00	11.27	0	0000	UNKN	RESERVE SHUTDOWN
170	Reserve Shutdown	10/22/2018	21:19:00	10/23/2018	05:53:00	8.57	0	0000	UNKN	RESERVE SHUTDOWN
171	Reserve Shutdown	10/24/2018	23:54:00	10/25/2018	10:36:00	10.7	0	0000	UNKN	RESERVE SHUTDOWN
172	Reserve Shutdown	10/26/2018	00:10:00	10/26/2018	10:24:00	10.23	0	0000	UNKN	RESERVE SHUTDOWN
173	Reserve Shutdown	10/26/2018	21:08:00	10/27/2018	09:57:00	12.82	0	0000	UNKN	RESERVE SHUTDOWN
174	Reserve Shutdown	10/28/2018	00:28:00	10/29/2018	17:03:00	40.58	0	0000	UNKN	RESERVE SHUTDOWN



**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BAYSIDE ST2      MDC: 308      Run Date: 11/6/2018**

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
54	Partial Maintenance	10/17/2018	07:00:00	10/17/2018	16:00:00	9	231	0710	BLR	ST2 Derated - 2A Steam drain line leak
55	Partial Maintenance	10/14/2018	14:09:00	10/21/2018	08:24:00	64.85	231	1090	BLR	ST2 Derated - 2C HP Evap tube leak
55	Partial Maintenance	10/14/2018	14:09:00	10/21/2018	08:24:00	9	231	1090	BLR	ST2 Derated - 2C HP Evap tube leak
55	Partial Maintenance	10/14/2018	14:09:00	10/21/2018	08:24:00	88.4	231	1090	BLR	ST2 Derated - 2C HP Evap tube leak

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BAYSIDE CT2A MDC: 158 Run Date: 11/6/2018**

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
148	Reserve Shutdown	10/01/2018	00:03:00	10/01/2018	10:48:00	10.75	0	0000	UNKN	RESERVE SHUTDOWN
149	Reserve Shutdown	10/01/2018	22:26:00	10/02/2018	09:23:00	10.95	0	0000	UNKN	RESERVE SHUTDOWN
150	Reserve Shutdown	10/03/2018	00:13:00	10/03/2018	11:54:00	11.68	0	0000	UNKN	RESERVE SHUTDOWN
151	Reserve Shutdown	10/03/2018	23:49:00	10/04/2018	10:38:00	10.82	0	0000	UNKN	RESERVE SHUTDOWN
152	Reserve Shutdown	10/04/2018	20:57:00	10/05/2018	06:29:00	9.53	0	0000	UNKN	RESERVE SHUTDOWN
153	Reserve Shutdown	10/05/2018	23:17:00	10/06/2018	10:21:00	11.07	0	0000	UNKN	RESERVE SHUTDOWN
155	Reserve Shutdown	10/06/2018	20:20:00	10/07/2018	10:23:00	14.05	0	0000	UNKN	RESERVE SHUTDOWN
156	Reserve Shutdown	10/07/2018	21:55:00	10/08/2018	05:22:00	7.45	0	0000	UNKN	RESERVE SHUTDOWN
157	Reserve Shutdown	10/08/2018	23:57:00	10/09/2018	10:05:00	10.13	0	0000	UNKN	RESERVE SHUTDOWN
158	Reserve Shutdown	10/09/2018	23:50:00	10/10/2018	06:52:00	7.03	0	0000	UNKN	RESERVE SHUTDOWN
159	Reserve Shutdown	10/10/2018	22:15:00	10/11/2018	05:50:00	7.58	0	0000	UNKN	RESERVE SHUTDOWN
160	Reserve Shutdown	10/11/2018	22:21:00	10/12/2018	09:40:00	11.32	0	0000	UNKN	RESERVE SHUTDOWN
161	Reserve Shutdown	10/12/2018	23:18:00	10/13/2018	13:15:00	13.95	0	0000	UNKN	RESERVE SHUTDOWN
162	Reserve Shutdown	10/13/2018	21:02:00	10/14/2018	11:22:00	14.33	0	0000	UNKN	RESERVE SHUTDOWN
163	Reserve Shutdown	10/14/2018	23:55:00	10/15/2018	10:51:00	10.93	0	0000	UNKN	RESERVE SHUTDOWN
164	Reserve Shutdown	10/15/2018	23:47:00	10/16/2018	11:31:00	11.73	0	0000	UNKN	RESERVE SHUTDOWN
165	Reserve Shutdown	10/16/2018	22:35:00	10/17/2018	06:59:00	8.4	0	0000	UNKN	RESERVE SHUTDOWN
166	Maintenance Outage	10/17/2018	07:00:00	10/17/2018	16:00:00	9	0	3899	BLPT	Drain system piping weld repair
167	Reserve Shutdown	10/17/2018	16:01:00	10/17/2018	16:15:00	0.23	0	0000	UNKN	RESERVE SHUTDOWN
168	Reserve Shutdown	10/18/2018	01:01:00	10/18/2018	12:03:00	11.03	0	0000	UNKN	RESERVE SHUTDOWN
169	Reserve Shutdown	10/18/2018	22:34:00	10/19/2018	09:55:00	11.35	0	0000	UNKN	RESERVE SHUTDOWN
170	Reserve Shutdown	10/20/2018	00:00:00	10/20/2018	09:46:00	9.77	0	0000	UNKN	RESERVE SHUTDOWN
171	Reserve Shutdown	10/20/2018	20:45:00	10/21/2018	10:11:00	13.43	0	0000	UNKN	RESERVE SHUTDOWN
172	Reserve Shutdown	10/22/2018	12:46:00	10/23/2018	10:04:00	21.3	0	0000	UNKN	RESERVE SHUTDOWN
173	Reserve Shutdown	10/23/2018	22:41:00	10/24/2018	11:49:00	13.13	0	0000	UNKN	RESERVE SHUTDOWN
174	Reserve Shutdown	10/24/2018	22:53:00	10/25/2018	13:23:00	14.5	0	0000	UNKN	RESERVE SHUTDOWN
175	Reserve Shutdown	10/27/2018	21:31:00	10/29/2018	14:13:00	40.7	0	0000	UNKN	RESERVE SHUTDOWN
176	Reserve Shutdown	10/29/2018	20:19:00	10/30/2018	05:31:00	9.2	0	0000	UNKN	RESERVE SHUTDOWN
177	Reserve Shutdown	10/30/2018	18:24:00	10/31/2018	05:30:00	11.1	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BAYSIDE CT2A      MDC: 158      Run Date: 11/6/2018**

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
178	Reserve Shutdown	10/31/2018	22:04:00	10/31/2018	23:59:00	1.92	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BAYSIDE CT2B      MDC: 158      Run Date: 11/6/2018**

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
137	Reserve Shutdown	10/01/2018	00:01:00	10/01/2018	09:13:00	9.2	0	0000	UNKN	RESERVE SHUTDOWN
138	Reserve Shutdown	10/02/2018	00:32:00	10/02/2018	10:35:00	10.05	0	0000	UNKN	RESERVE SHUTDOWN
139	Reserve Shutdown	10/03/2018	22:20:00	10/04/2018	09:46:00	11.43	0	0000	UNKN	RESERVE SHUTDOWN
140	Reserve Shutdown	10/04/2018	23:25:00	10/05/2018	11:18:00	11.88	0	0000	UNKN	RESERVE SHUTDOWN
141	Reserve Shutdown	10/06/2018	00:14:00	10/06/2018	10:59:00	10.75	0	0000	UNKN	RESERVE SHUTDOWN
142	Reserve Shutdown	10/06/2018	21:43:00	10/07/2018	11:26:00	13.72	0	0000	UNKN	RESERVE SHUTDOWN
143	Reserve Shutdown	10/08/2018	01:14:00	10/08/2018	10:23:00	9.15	0	0000	UNKN	RESERVE SHUTDOWN
144	Reserve Shutdown	10/10/2018	00:41:00	10/10/2018	07:56:00	7.25	0	0000	UNKN	RESERVE SHUTDOWN
145	Reserve Shutdown	10/12/2018	21:22:00	10/13/2018	11:52:00	14.5	0	0000	UNKN	RESERVE SHUTDOWN
146	Reserve Shutdown	10/13/2018	19:58:00	10/14/2018	09:09:00	13.18	0	0000	UNKN	RESERVE SHUTDOWN
147	Reserve Shutdown	10/14/2018	22:44:00	10/15/2018	05:43:00	6.98	0	0000	UNKN	RESERVE SHUTDOWN
148	Reserve Shutdown	10/15/2018	21:17:00	10/16/2018	09:31:00	12.23	0	0000	UNKN	RESERVE SHUTDOWN
149	Reserve Shutdown	10/17/2018	01:00:00	10/17/2018	10:37:00	9.62	0	0000	UNKN	RESERVE SHUTDOWN
150	Reserve Shutdown	10/17/2018	23:58:00	10/18/2018	10:23:00	10.42	0	0000	UNKN	RESERVE SHUTDOWN
151	Reserve Shutdown	10/20/2018	00:58:00	10/20/2018	12:10:00	11.2	0	0000	UNKN	RESERVE SHUTDOWN
152	Reserve Shutdown	10/21/2018	00:23:00	10/22/2018	11:26:00	35.05	0	0000	UNKN	RESERVE SHUTDOWN
153	Reserve Shutdown	10/22/2018	23:45:00	10/23/2018	14:10:00	14.42	0	0000	UNKN	RESERVE SHUTDOWN
154	Reserve Shutdown	10/25/2018	21:10:00	10/26/2018	07:31:00	10.35	0	0000	UNKN	RESERVE SHUTDOWN
155	Reserve Shutdown	10/27/2018	00:52:00	10/29/2018	12:39:00	59.78	0	0000	UNKN	RESERVE SHUTDOWN
156	Reserve Shutdown	10/29/2018	22:13:00	10/30/2018	13:22:00	15.15	0	0000	UNKN	RESERVE SHUTDOWN
157	Reserve Shutdown	10/30/2018	21:35:00	10/31/2018	12:42:00	15.12	0	0000	UNKN	RESERVE SHUTDOWN
158	Reserve Shutdown	10/31/2018	23:52:00	10/31/2018	23:59:00	0.12	0	0000	UNKN	RESERVE SHUTDOWN

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**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BAYSIDE CT2C      MDC: 158      Run Date: 11/6/2018**

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
85	Full Forced Immed	10/14/2018	14:09:00	10/15/2018	14:05:00	23.93	0	3620	BLPT	Main step up transformer relay issues
86	Maintenance Outage	10/15/2018	14:06:00	10/21/2018	08:24:00	138.3	0	3834	BLPT	2C HP Evap tube leak
87	Reserve Shutdown	10/21/2018	08:25:00	10/22/2018	05:46:00	21.35	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(10/01/2018 - 10/31/2018)**

**Unit: BAYSIDE CT2D      MDC: 158      Run Date: 11/6/2018**

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  
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
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		