

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Schedules has been furnished by hand delivery (*) or U.S. Mail on this 25th day of November 2013, to the following:

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ATTORNEY

ORIGINAL SHEET NO. 8.401.13A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

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 1	JAN 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	16.4	14.3	78.8	87.3	88.0	80.1	93.2	97.2	90.6	69.5			72.0
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	122.4	159.0	663.7	651.8	659.0	601.3	716.6	744.0	700.4	563.9			5582.1
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
5. UH	621.6	513.0	79.3	68.2	85.0	118.8	27.4	0.0	19.6	180.1			1712.9
6. POH	257.0	513.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	180.1			950.1
7. FOH	364.6	0.0	79.3	68.2	85.0	118.8	27.4	0.0	19.6	0.0			762.8
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	26.3	148.0	299.7	76.9	40.2	129.0	229.8	206.9	599.0	354.9			2110.7
10. LR PF (MW)	7.7	168.1	98.8	115.9	18.1	25.0	21.2	23.9	26.5	43.5			51.5
11. PMOH	0.8	0.0	22.9	1.7	8.0	81.7	23.5	21.3	18.3	21.2			199.5
12. LR PM (MW)	0.0	0.0	50.1	0.0	120.4	76.8	170.8	138.6	147.4	117.5			103.0
13. NSC (MW)	395	395	395	385	385	385	385	385	385	385			387
14. OPR BTU(GBTU)	487.0975	374.0533	2297.3731	2468.4777	2545.9370	2244.5798	2606.3129	2833.7228	2540.1124	1988.0407			20385.7071
15. NET GEN (MWH)	45745	32994	218329	237862	240612	212558	251543	270885	241178	187132			1938837
16. ANOHR (BTU/KWH)	10648	11337	10523	10378	10581	10560	10361	10461	10532	10624			10514
17. NOF (%)	94.6	52.5	83.3	94.8	94.8	91.8	91.2	94.6	89.4	86.2			89.8
18. NPC (MW)	395	395	395	385	385	385	385	385	385	385			388
19. ANOHR EQUATION	ANOHR = NOF(-12.004)+ 11,551												

ORIGINAL SHEET NO. 8.401.15A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

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 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	36.5	50.3	96.8	76.3	98.6	96.5	92.1	63.9	95.1	85.2			79.3
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	278.2	433.3	743.0	577.4	744.0	720.0	744.0	494.9	720.0	644.1			6098.9
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
5. UH	465.8	238.7	0.0	142.6	0.0	0.0	0.0	249.1	0.0	99.9			1196.1
6. POH	217.4	213.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.9			531.2
7. FOH	248.4	24.8	0.0	0.0	0.0	0.0	0.0	249.1	0.0	0.0			522.3
8. MOH	0.0	0.0	0.0	142.6	0.0	0.0	0.0	0.0	0.0	0.0			142.6
9. PFOH	93.6	296.0	97.4	116.7	47.1	370.4	702.6	193.9	404.7	72.0			2394.4
10. LR PF (MW)	26.4	127.1	74.4	93.0	53.4	23.3	25.6	33.0	22.2	54.6			44.5
11. PMOH	15.0	0.7	16.2	1.6	12.8	5.6	35.7	9.1	35.5	6.0			138.2
12. LR PM (MW)	4.7	0.0	138.4	0.0	125.5	191.2	128.3	114.9	129.0	0.0			109.9
13. NSC (MW)	395	395	395	385	385	385	385	385	385	385			387
14. OPR BTU(GBTU)	1011.8110	1335.0391	2762.7110	2053.6345	2862.9044	2660.4901	2623.3398	1788.9470	2594.5180	2348.4992			22041.8941
15. NET GEN (MWH)	101821	119862	271581	202976	278394	259235	249537	172064	249411	228133			2133014
16. ANOHR (BTU/KWH)	9937	11138	10173	10118	10284	10263	10513	10397	10403	10294			10334
17. NOF (%)	92.6	70.0	92.5	91.3	97.2	93.5	87.1	90.3	90.0	92.0			90.3
18. NPC (MW)	395	395	395	385	385	385	385	385	385	385			388
19. ANOHR EQUATION	ANOHR = NOF(-11.395) + 11,200												

ORIGINAL SHEET NO. 8.401.13A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

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 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	84.0	79.0	2.1	0.0	32.8	87.8	89.6	95.3	81.5	73.3			62.4
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	744.0	672.0	21.1	0.0	254.6	644.7	744.0	726.2	648.3	552.1			5006.9
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
5. UH	0.0	0.0	721.9	720.0	489.4	75.3	0.0	17.8	71.7	191.9			2288.1
6. POH	0.0	0.0	721.9	720.0	435.9	0.0	0.0	0.0	0.0	191.9			2069.7
7. FOH	0.0	0.0	0.0	0.0	27.5	0.0	0.0	17.8	71.7	0.0			117.0
8. MOH	0.0	0.0	0.0	0.0	26.0	75.3	0.0	0.0	0.0	0.0			101.4
9. PFOH	342.2	23.0	0.0	0.0	52.7	36.8	171.7	37.7	212.2	1.3			877.5
10. LR PF (MW)	58.5	113.4	0.0	0.0	56.5	99.5	153.8	68.5	80.5	110.0			86.0
11. PMOH	401.8	649.0	21.1	0.0	4.3	10.1	22.1	32.7	56.0	25.1			1222.2
12. LR PM (MW)	58.6	75.5	88.9	0.0	205.9	101.7	82.2	112.7	94.8	95.6			73.3
13. NSC (MW)	365	365	365	365	365	365	365	365	365	365			365
14. OPR BTU(GBTU)	2382.3427	2039.6597	50.4865	0.0000	877.5093	2378.6065	2624.3036	2801.3188	2265.3741	2122.2186			17541.8197
15. NET GEN (MWH)	220461	188638	4505	0	86122	232486	249965	266551	214246	203784			1666758
16. ANOHR BTU/KWH	10806	10813	11207	0	10189	10231	10499	10510	10574	10414			10525
17. NOF (%)	81.2	76.9	58.5	0.0	92.7	98.8	92.0	100.6	90.5	101.1			91.2
18. NPC (MW)	365	365	365	365	365	365	365	365	365	365			365
19. ANOHR EQUATION	ANOHR = NOF(-21.678) + 12,439												

ORIGINAL SHEET NO. 8.401.13A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

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 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	56.7	22.4	92.4	99.5	85.0	55.1	92.3	92.1	70.3	94.2			76.4
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	744.0	261.8	722.1	720.0	671.8	409.3	690.5	694.7	507.1	703.9			6125.1
4. RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
5. UH	0.0	410.3	20.9	0.0	72.2	310.7	53.5	49.3	212.9	40.1			1169.9
6. POH	0.0	410.3	11.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0			422.1
7. FOH	0.0	0.0	9.0	0.0	72.2	310.7	53.5	49.3	212.9	0.0			707.6
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1			40.1
9. PFOH	738.5	261.8	269.5	30.7	593.0	111.5	0.0	94.2	15.2	2.0			2116.3
10. LR PF (MW)	180.4	177.3	43.9	4.6	25.2	16.1	0.0	40.8	22.6	170.5			100.6
11. PMOH	5.5	0.0	16.0	9.6	14.8	12.0	10.0	3.0	1.3	7.1			79.2
12. LR PM (MW)	222.4	0.0	193.2	141.2	77.6	282.1	164.6	0.0	0.0	143.3			162.3
13. NSC (MW)	417	417	417	407	407	407	407	407	407	407			410
14. OPR BTU(GBTU)	1903.3464	658.7300	2742.4696	2996.4592	2680.6620	1637.3214	2723.1753	2843.7188	2031.2395	2821.6116			23038.7339
15. NET GEN (MWH)	172056	60827	269732	288798	253441	155428	260830	269066	196987	273149			2200313
16. ANOHR BTU/KWH	11062	10830	10167	10376	10577	10534	10440	10569	10312	10330			10471
17. NOF (%)	55.5	55.7	89.6	98.6	92.7	93.3	92.8	95.2	95.5	95.3			87.7
18. NPC (MW)	417	417	417	407	407	407	407	407	407	407			410
19. ANOHR EQUATION	ANOHR = NOF(-24 581) + 12,591												

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ORIGINAL SHEET NO. 8.401.13A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

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 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	93.9	85.7	98.7	43.3	0.0	55.1	96.6	99.5	100.0	98.7			77.2
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	698.6	443.5	717.9	184.9	0.0	396.8	695.2	740.0	720.0	734.6			5331.6
4. RSH	0.0	132.3	15.3	127.1	0.0	0.0	23.6	0.0	0.0	0.0			298.2
5. UH	45.4	96.1	9.8	408.0	744.0	323.2	25.2	4.0	0.0	9.4			1665.2
6. POH	0.0	0.0	0.0	408.0	744.0	185.3	0.0	0.0	0.0	0.0			1337.2
7. FOH	45.4	20.0	9.8	0.0	0.0	62.2	25.2	4.0	0.0	9.4			176.0
8. MOH	0.0	76.1	0.0	0.0	0.0	75.8	0.0	0.0	0.0	0.0			151.9
9. PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
10. LR PF (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
11. PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
12. LR PM (MW)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
13. NSC (MW)	220	220	220	220	220	220	220	220	220	220			220
14. OPR BTU(GBTU)	1627.7924	1003.9540	1587.8821	410.1834	0.0000	759.2876	1499.3558	1631.1596	1593.7841	1609.2906			11722.6896
15. NET GEN (MWH)	152120	92880	153212	34073	-4609	59478	139297	161894	153099	160558			1102003
16. ANOHR BTU/KWH	10701	10809	10364	12038	0	12766	10764	10075	10410	10023			10638
17. NOF (%)	99.0	95.2	97.0	83.7	0.0	68.1	91.1	99.4	96.7	99.4			94.0
18. NPC (MW)	220	220	220	220	220	220	220	220	220	220			220
19. ANOHR EQUATION	ANOHR = NOF(-130.472) + 22,869												

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ORIGINAL SHEET NO. 8.401.13A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

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 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	99.9	100.0	72.8	100.0	99.6	99.1	99.0	96.6	95.9	86.3			94.8
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	564.4	672.0	571.5	720.0	744.0	720.0	744.0	744.0	702.0	664.2			6846.1
4. RSH	179.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			179.6
5. UH	0.0	0.0	171.5	0.0	0.0	0.0	0.0	0.0	18.0	79.8			269.4
6. POH	0.0	0.0	171.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0			171.5
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	79.8			97.9
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	2.8	0.0	0.0	1.0	4.5	19.5	0.8	0.0	11.9	14.1			54.5
10. LR PF (MW)	264.0	0.0	0.0	233.7	233.7	233.7	233.7	0.0	216.2	185.2			218.9
11. PMOH	0.0	0.0	101.0	0.0	4.4	0.0	22.6	75.9	22.7	55.2			281.7
12. LR PM (MW)	0.0	0.0	240.5	0.0	233.7	0.0	233.7	233.7	233.7	233.7			236.1
13. NSC (MW)	792	792	792	701	701	701	701	701	701	701			725
14. OPR BTU(GBTU)	2068.9170	2603.4990	1412.2370	2422.6010	2282.6310	2451.5690	2089.1720	2295.1710	2081.6820	1746.3650			21453.8440
15. NET GEN (MWH)	283302	361640	190076	331371	312471	336597	284611	315569	283891	236579			2936108
16. ANOHR (BTU/KWH)	7303	7199	7430	7311	7305	7283	7340	7273	7333	7382			7307
17. NOF (%)	63.4	67.9	42.0	65.7	59.9	66.7	54.6	60.5	57.7	50.8			59.2
18. NPC (MW)	792	792	792	701	701	701	701	701	701	701			728
19. ANOHR EQUATION	ANOHR = NOF(-12.033) + 8,180												

ORIGINAL SHEET NO. 8.401.13A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

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 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	72.4	75.0	71.6	62.9	98.0	99.7	98.2	93.4	99.7	98.2			86.4
2. PH	744	672	743	720	744	720	744	744	720	744			7295
3. SH	485.0	672.0	741.3	537.5	734.8	718.2	744.0	744.0	720.0	744.0			6840.8
4. R5H	259.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			259.0
5. UH	0.0	0.0	1.7	182.5	9.2	1.8	0.0	0.0	0.0	0.0			195.1
6. POH	0.0	0.0	1.7	175.6	0.0	0.0	0.0	0.0	0.0	0.0			177.3
7. FOH	0.0	0.0	0.0	0.0	9.2	1.8	0.0	0.0	0.0	0.0			11.0
8. MOH	0.0	0.0	0.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0			6.8
9. PFOH	744.0	672.0	743.0	337.8	22.5	1.5	0.7	16.0	10.0	29.2			2576.6
10. LR PF (MW)	289.2	262.1	261.8	232.3	232.3	232.3	232.3	232.3	232.3	232.3			265.0
11. PMOH	0.0	0.0	95.0	0.0	0.0	0.0	54.0	181.5	0.0	23.0			353.5
12. LR PM (MW)	0.0	0.0	261.8	0.0	0.0	0.0	232.3	232.3	0.0	232.3			240.2
13. NSC (MW)	1047	1047	1047	929	929	929	929	929	929	929			962
14. OPR BTU (GBTU)	1988.4890	2594.2940	2257.3990	2174.8410	2954.1160	3426.1030	2588.2280	2919.4870	2840.5270	2614.8610			26358.3450
15. NET GEN (MWH)	268566	351353	298785	291047	396114	464273	345463	392830	381200	347775			3537406
16. ANOHR (BTU/KWH)	7404	7384	7555	7472	7458	7380	7492	7432	7452	7519			7451
17. NOF (%)	52.9	49.9	38.5	58.3	58.0	69.6	50.0	56.8	57.0	50.3			53.8
18. NPC (MW)	1047	1047	1047	929	929	929	929	929	929	929			964
19. ANOHR EQUATION	ANOHR = NOF(-9.350) + 8,101												

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**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: **BIG BEND 1** MDC: **410** Run Date: **11/11/2013**

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
241	Partial Forced Immed	09/30/2013	23:35:00	10/02/2013	00:01:00	24.02	370	8551	POLL	Precipitator TR sets failed/ out of service
242	Partial Forced Immed	10/02/2013	00:01:00	10/02/2013	04:30:00	4.48	380	8551	POLL	Precipitator TR sets failed/ out of service
243	Partial Maintenance	10/02/2013	04:30:00	10/02/2013	05:22:00	0.87	210	4268	TURB	Turbine valve testing
244	Partial Forced Immed	10/02/2013	05:22:00	10/02/2013	11:10:00	5.8	380	8551	POLL	Precipitator TR sets failed/ out of service
245	Partial Forced Delayed	10/02/2013	11:10:00	10/02/2013	17:02:00	5.87	270	0127	BLR	B Pulverizer crusher dryer repair
246	Partial Forced Immed	10/02/2013	17:02:00	10/02/2013	21:40:00	4.63	380	8551	POLL	Precipitator TR sets failed/ out of service
247	Partial Forced Immed	10/02/2013	21:40:00	10/03/2013	09:30:00	11.83	400	8551	POLL	Precipitator TR sets failed/ out of service
248	Partial Forced Immed	10/03/2013	09:30:00	10/03/2013	10:00:00	0.5	390	8551	POLL	Precipitator TR sets failed/ out of service
249	Partial Forced Immed	10/03/2013	10:00:00	10/03/2013	14:18:00	4.3	380	8551	POLL	Precipitator TR sets failed/ out of service
250	Partial Forced Immed	10/03/2013	14:18:00	10/03/2013	22:35:00	8.28	370	8551	POLL	Precipitator TR sets failed/ out of service
251	Partial Forced Immed	10/03/2013	22:35:00	10/03/2013	22:50:00	0.25	355	0250	BLR	B1 Coal feeder belt binding
252	Partial Forced Immed	10/03/2013	22:50:00	10/04/2013	02:45:00	3.92	370	8551	POLL	Precipitator TR sets failed/ out of service
253	Partial Forced Delayed	10/04/2013	02:45:00	10/04/2013	05:45:00	3	270	0250	BLR	A1 Coal feeder belt replacement
254	Partial Forced Immed	10/04/2013	05:45:00	10/04/2013	13:00:00	7.25	370	8551	POLL	Precipitator TR sets failed/ out of service
255	Partial Forced Immed	10/04/2013	13:00:00	10/04/2013	14:00:00	1	380	8551	POLL	Precipitator TR sets failed/ out of service
256	Partial Forced Immed	10/04/2013	14:00:00	10/04/2013	15:00:00	1	370	8551	POLL	Precipitator TR sets failed/ out of service
257	Partial Forced Immed	10/04/2013	15:00:00	10/05/2013	01:45:00	10.75	360	8551	POLL	Precipitator TR sets failed/ out of service
258	Noncurtailing	10/05/2013	01:45:00	10/05/2013	03:10:00	1.42	240	8550	POLL	Precipitator power off rapping
259	Partial Forced Immed	10/05/2013	03:10:00	10/05/2013	12:00:00	8.83	360	8551	POLL	Precipitator TR sets failed/ out of service
260	Partial Forced Immed	10/05/2013	12:00:00	10/05/2013	12:30:00	0.5	370	8551	POLL	Precipitator TR sets failed/ out of service
261	Partial Forced Immed	10/05/2013	12:30:00	10/05/2013	14:30:00	2	380	8551	POLL	Precipitator TR sets failed/ out of service
262	Partial Forced Immed	10/05/2013	14:30:00	10/05/2013	18:30:00	4	390	8551	POLL	Precipitator TR sets failed/ out of service
263	Partial Forced Immed	10/05/2013	18:30:00	10/06/2013	09:45:00	15.25	350	8551	POLL	Precipitator TR sets failed/ out of service
264	Partial Forced Immed	10/06/2013	09:45:00	10/06/2013	13:00:00	3.25	370	8551	POLL	Precipitator TR sets failed/ out of service
265	Partial Forced Immed	10/06/2013	13:00:00	10/07/2013	18:15:00	29.25	360	8551	POLL	Precipitator TR sets failed/ out of service
266	Partial Forced Immed	10/07/2013	18:15:00	10/08/2013	00:00:00	5.75	350	8551	POLL	Precipitator TR sets failed/ out of service
267	Partial Forced Immed	10/08/2013	00:00:00	10/08/2013	07:00:00	7	360	8551	POLL	Precipitator TR sets failed/ out of service
268	Partial Forced Immed	10/08/2013	07:00:00	10/08/2013	10:50:00	3.83	365	8551	POLL	Precipitator TR sets failed/ out of service
269	Partial Forced Immed	10/08/2013	10:50:00	10/08/2013	11:40:00	0.83	370	8550	POLL	Precipitator TR sets failed/ out of service
270	Partial Forced Immed	10/08/2013	11:40:00	10/08/2013	13:35:00	1.92	380	8551	POLL	Precipitator TR sets failed/ out of service
271	Partial Forced Immed	10/08/2013	13:35:00	10/08/2013	15:00:00	1.42	365	8551	POLL	Precipitator TR sets failed/ out of service

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: **BIG BEND 1** MDC: **410** Run Date: **11/11/2013**

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
272	Partial Forced Immed	10/08/2013	15:00:00	10/09/2013	02:12:00	11.2	360	8551	POLL	Precipitator TR sets failed/ out of service
273	Partial Maintenance	10/09/2013	02:12:00	10/09/2013	02:50:00	0.63	190	4268	TURB	Turbine valve testing
274	Partial Forced Immed	10/09/2013	02:50:00	10/09/2013	22:54:00	20.07	360	8551	POLL	Precipitator TR sets failed/ out of service
275	Planned Derating	10/09/2013	22:54:00	10/10/2013	08:15:00	9.35	280	0313	BLR	C Pulverizer oil seal changeout prep
276	Partial Forced Immed	10/10/2013	08:15:00	10/10/2013	22:55:00	14.67	360	8551	POLL	Precipitator TR sets failed/ out of service
277	Planned Derating	10/10/2013	22:55:00	10/11/2013	05:45:00	6.83	280	0313	BLR	C Pulverizer trunnion oil seal replacement
278	Partial Forced Immed	10/11/2013	05:45:00	10/11/2013	09:40:00	3.92	360	8551	POLL	Precipitator TR sets failed/ out of service
279	Partial Forced Immed	10/11/2013	09:40:00	10/11/2013	11:15:00	1.58	350	8551	POLL	Precipitator TR sets failed/ out of service
280	Partial Forced Immed	10/11/2013	11:15:00	10/12/2013	22:08:00	34.88	355	8551	POLL	Precipitator TR sets failed/ out of service
281	Planned Outage	10/12/2013	22:08:00	10/20/2013	10:12:00	180.07	0	8550	POLL	Precipitator maintenance
282	Partial Forced Immed	10/20/2013	11:52:00	10/20/2013	19:23:00	7.52	270	0260	BLR	B Primary Air fan has high vibration
283	Partial Forced Immed	10/20/2013	23:20:00	10/21/2013	18:00:00	18.67	395	3502	BLPT	3rd point heater level controls erratic
284	Partial Forced Immed	10/21/2013	18:00:00	10/23/2013	16:20:00	46.33	390	3502	BLPT	3rd point heater level controls erratic
285	Partial Maintenance	10/24/2013	00:01:00	10/24/2013	00:45:00	0.73	210	4268	TURB	Turbine valve testing
286	Partial Forced Delayed	10/24/2013	08:00:00	10/24/2013	12:10:00	4.17	360	3502	BLPT	3rd point heater level controls tuning
287	Partial Forced Immed	10/26/2013	13:50:00	10/26/2013	15:00:00	1.17	360	8549	POLL	FGD Removal efficiency limits
288	Partial Forced Immed	10/26/2013	15:00:00	10/26/2013	16:00:00	1	340	8549	POLL	FGD Removal efficiency limits
289	Partial Forced Immed	10/26/2013	16:00:00	10/27/2013	01:00:00	9	310	8549	POLL	FGD Removal efficiency limits
290	Partial Maintenance	10/29/2013	22:54:00	10/29/2013	23:12:00	0.3	190	4268	TURB	Turbine valve testing
291	Planned Derating	10/30/2013	01:30:00	10/30/2013	04:00:00	2.5	190	1420	BLR	B Forced Draft fan cooling water repairs

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: **BIG BEND 2** MDC: **410** Run Date: **11/11/2013**

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
247	Partial Maintenance	10/03/2013	02:00:00	10/03/2013	02:30:00	0.5	210	4268	TURB	Turbine valve testing
248	Partial Forced Immed	10/04/2013	17:15:00	10/04/2013	18:00:00	0.75	350	0250	BLR	C1 Coal feeder belt slipping
249	Partial Maintenance	10/06/2013	01:00:00	10/06/2013	04:00:00	3	330	0340	BLR	Mill peaking
250	Partial Forced Immed	10/06/2013	15:15:00	10/07/2013	00:30:00	9.25	400	1493	BLR	Air Preheater has a high differential pressure indicatio
251	Partial Maintenance	10/07/2013	00:30:00	10/07/2013	01:45:00	1.25	330	0340	BLR	Mill peaking
252	Partial Forced Immed	10/07/2013	01:45:00	10/07/2013	05:30:00	3.75	400	1493	BLR	Air Preheater has a high differential pressure indicatio
253	Partial Forced Immed	10/07/2013	12:15:00	10/08/2013	06:10:00	17.92	400	1493	BLR	Air Preheater has a high differential pressure indicatio
254	Partial Forced Immed	10/08/2013	19:10:00	10/09/2013	06:00:00	10.83	400	8551	POLL	Precipitator TR sets failed/ out of service
255	Partial Maintenance	10/10/2013	00:12:00	10/10/2013	00:32:00	0.33	200	4268	TURB	Turbine valve testing
256	Planned Outage	10/17/2013	23:59:00	10/22/2013	03:54:00	99.92	0	8549	POLL	FGD Tower maintenance
257	Partial Forced Immed	10/22/2013	05:00:00	10/22/2013	12:15:00	7.25	110	0680	BLR	MOV 22 (BFP discharge valve) stuck in the closed po
258	Partial Forced Immed	10/22/2013	15:50:00	10/22/2013	23:30:00	7.67	345	8551	POLL	Precipitator TR sets failed/ out of service
259	Partial Maintenance	10/24/2013	01:25:00	10/24/2013	01:47:00	0.37	210	4268	TURB	Turbine valve testing
260	Partial Forced Immed	10/26/2013	14:00:00	10/27/2013	01:00:00	11	360	8549	POLL	FGD Removal efficiency limits
261	Partial Maintenance	10/31/2013	00:20:00	10/31/2013	00:55:00	0.58	210	4268	TURB	Turbine valve testing
262	Partial Forced Delayed	10/31/2013	01:08:00	10/31/2013	04:45:00	3.62	270	0331	BLR	A Pulverizer system coal leak repairs

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: **BIG BEND 3** MDC: **390** Run Date: **11/11/2013**

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 Derating	10/05/2013	01:00:00	10/05/2013	06:30:00	2.67	270	0344	BLR C Pulverizer inspection	
91	Planned Derating	10/05/2013	01:00:00	10/05/2013	06:30:00	2.5	270	0344	BLR C Pulverizer inspection	
91	Planned Derating	10/05/2013	01:00:00	10/05/2013	06:30:00	0.33	270	0344	BLR C Pulverizer inspection	
92	Planned Derating	10/05/2013	01:20:00	10/05/2013	04:00:00	2.67	195	3270	BLPT A ZBL system maintenance	
93	Partial Maintenance	10/06/2013	01:00:00	10/06/2013	01:50:00	0.83	320	4268	TURB Turbine valve testing	
94	Noncurtailing	10/06/2013	01:54:00	10/06/2013	04:55:00	3.02	320	0340	BLR Mill peaking	
95	Planned Derating	10/08/2013	23:59:00	10/09/2013	04:21:00	4.37	270	0344	BLR B Pulverizer inspection	
96	Planned Derating	10/11/2013	00:20:00	10/11/2013	04:40:00	4.33	280	0250	BLR B1 Coal feeder belt replacement	
97	Planned Derating	10/11/2013	22:25:00	10/12/2013	04:50:00	1	280	0312	BLR A Pulverizer classifier inspection	
97	Planned Derating	10/11/2013	22:25:00	10/12/2013	04:50:00	2.58	280	0312	BLR A Pulverizer classifier inspection	
97	Planned Derating	10/11/2013	22:25:00	10/12/2013	04:50:00	2.83	280	0312	BLR A Pulverizer classifier inspection	
98	Partial Maintenance	10/12/2013	01:00:00	10/12/2013	02:00:00	1	240	4268	TURB Turbine valve testing	
99	Noncurtailing	10/13/2013	00:20:00	10/13/2013	04:00:00	3.67	380	0340	BLR Mill peaking	
100	Partial Forced Immed	10/13/2013	20:30:00	10/13/2013	21:30:00	1	235	3273	BLPT A circulating water system coarse mesh screen plugg	
101	Partial Forced Immed	10/17/2013	13:10:00	10/17/2013	13:30:00	0.33	385	8250	POLL Lost B tower due to faulty outlet damper position indic	
102	Planned Outage	10/24/2013	00:06:00	01/01/2014	00:00:00	191.9	0	1488	BLR Air Preheater repairs	

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: **BIG BEND 4** MDC: **440** Run Date: **11/11/2013**

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
78	Partial Maintenance	10/06/2013	02:15:00	10/06/2013	03:20:00	1.08	260	4268	TURB	Turbine valve testing
79	Planned Derating	10/08/2013	00:30:00	10/08/2013	03:38:00	3.13	200	3210	BLPT	A Circulating Water pump repack
80	Partial Maintenance	10/13/2013	02:45:00	10/13/2013	04:10:00	1.42	260	4268	TURB	Turbine valve testing
81	Planned Derating	10/15/2013	23:00:00	10/16/2013	00:25:00	1.42	200	0570	BLR	Reheat steam matching valve repack
82	Partial Forced Immed	10/16/2013	04:47:00	10/16/2013	05:40:00	0.88	190	3273	BLPT	A circulating water system coarse mesh screen plugg
83	Maintenance Outage	10/25/2013	18:25:00	10/27/2013	10:32:00	40.12	0	0540	BLR	Reheat steam matching line modification
84	Partial Forced Immed	10/31/2013	22:56:00	11/01/2013	00:17:00	1.07	310	3996	BLPT	B ID Fan channel 1 tripped due to loss of facilities buil

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: POLK 1 MDC: 290 Run Date: 11/11/2013

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	Noncurtailing	10/01/2013	10:44:00	10/01/2013	23:18:00	12.57	0	5116	GAST	Co-firing
63	Noncurtailing	10/02/2013	10:39:00	10/03/2013	21:45:00	35.1	0	5116	GAST	Co-firing
64	Partial Forced Delayed	10/08/2013	07:19:00	10/08/2013	19:19:00	12	200	5049	GAST	AA, DCS Card issue in caused ASU Reflux Control Va
65	Noncurtailing	10/14/2013	11:14:00	10/14/2013	11:50:00	0.6	0	3979	BLPT	DCS Keyboard Num Lock Key issue tripped SAP
66	Noncurtailing	10/16/2013	15:12:00	10/16/2013	18:45:00	3.55	0	5116	GAST	Co-firing
67	Partial Forced Immed	10/16/2013	18:48:00	10/16/2013	19:11:00	0.38	200	5248	GAST	Transferred to Natural Gas following co-firing
68	Noncurtailing	10/17/2013	13:05:00	10/17/2013	19:10:00	6.08	0	5116	GAST	Co-firing
69	Noncurtailing	10/18/2013	11:49:00	10/18/2013	21:20:00	9.52	0	5116	GAST	Co-firing
70	Noncurtailing	10/19/2013	13:20:00	10/20/2013	02:15:00	12.92	0	5116	GAST	Co-firing
71	Noncurtailing	10/20/2013	13:50:00	10/21/2013	00:20:00	10.5	0	5116	GAST	Co-firing
72	Full Forced Immed	10/21/2013	00:21:00	10/21/2013	09:26:00	9.08	0	5049	GAST	8F GEHO check valve misalignment, tripped gasifier
73	Partial Forced Immed	10/21/2013	12:59:00	10/21/2013	13:45:00	0.77	150	4430	TURB	Vacuum lost on Condenser
74	Noncurtailing	10/21/2013	13:45:00	10/21/2013	20:47:00	7.03	0	5116	GAST	Co-firing
75	Noncurtailing	10/22/2013	14:25:00	10/22/2013	23:50:00	9.42	0	5116	GAST	Co-firing
76	Full Forced Immed	10/26/2013	17:34:00	10/26/2013	17:55:00	0.35	0	4313	TURB	Speed refernce adjusted to 100%, tripped STG

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: BAYSIDE ST1 MDC: 236 Run Date: 11/11/2013

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
3	Full Forced Immed	09/30/2013	05:59:00	10/04/2013	07:50:00	79.83	0	3823	BLPT	Turbine oil in cooling water system due to failed hydro:

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: BAYSIDE CT1A MDC: 158 Run Date: 11/11/2013

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	Reserve Shutdown	10/01/2013	00:00:00	10/04/2013	10:06:00	82.1	0	0000	UNKN	RESERVE SHUTDOWN
152	Reserve Shutdown	10/04/2013	18:40:00	10/05/2013	09:09:00	14.48	0	0000	UNKN	RESERVE SHUTDOWN
153	Reserve Shutdown	10/05/2013	23:36:00	10/06/2013	10:36:00	11	0	0000	UNKN	RESERVE SHUTDOWN
154	Reserve Shutdown	10/06/2013	18:44:00	10/07/2013	10:42:00	15.97	0	0000	UNKN	RESERVE SHUTDOWN
155	Reserve Shutdown	10/08/2013	20:57:00	10/09/2013	14:13:00	17.27	0	0000	UNKN	RESERVE SHUTDOWN
156	Reserve Shutdown	10/14/2013	22:17:00	10/15/2013	12:51:00	14.57	0	0000	UNKN	RESERVE SHUTDOWN
157	Reserve Shutdown	10/15/2013	20:54:00	10/16/2013	10:57:00	14.05	0	0000	UNKN	RESERVE SHUTDOWN
158	Reserve Shutdown	10/16/2013	21:17:00	10/17/2013	09:11:00	11.9	0	0000	UNKN	RESERVE SHUTDOWN
159	Reserve Shutdown	10/21/2013	22:33:00	10/22/2013	06:15:00	7.7	0	0000	UNKN	RESERVE SHUTDOWN
160	Reserve Shutdown	10/23/2013	18:23:00	10/25/2013	13:31:00	43.13	0	0000	UNKN	RESERVE SHUTDOWN
161	Reserve Shutdown	10/25/2013	22:15:00	10/26/2013	07:05:00	8.83	0	0000	UNKN	RESERVE SHUTDOWN
162	Reserve Shutdown	10/26/2013	23:29:00	10/27/2013	09:27:00	9.97	0	0000	UNKN	RESERVE SHUTDOWN
163	Reserve Shutdown	10/31/2013	23:32:00	10/31/2013	23:59:00	0.45	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: BAYSIDE CT1B MDC: 158 Run Date: 11/11/2013

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
171	Reserve Shutdown	10/01/2013	00:00:00	10/04/2013	01:05:00	73.08	0	0000	UNKN	RESERVE SHUTDOWN
172	Reserve Shutdown	10/07/2013	22:22:00	10/08/2013	09:02:00	10.67	0	0000	UNKN	RESERVE SHUTDOWN
173	Reserve Shutdown	10/09/2013	22:34:00	10/11/2013	10:00:00	35.43	0	0000	UNKN	RESERVE SHUTDOWN
174	Reserve Shutdown	10/11/2013	18:24:00	10/12/2013	13:36:00	19.2	0	0000	UNKN	RESERVE SHUTDOWN
175	Reserve Shutdown	10/12/2013	23:16:00	10/13/2013	13:53:00	14.62	0	0000	UNKN	RESERVE SHUTDOWN
176	Reserve Shutdown	10/13/2013	21:46:00	10/14/2013	09:49:00	12.05	0	0000	UNKN	RESERVE SHUTDOWN
177	Maintenance Outage	10/14/2013	18:22:00	10/15/2013	10:34:00	16.2	0	3631	BLPT	Maintenance/repairs to the Multi-len 13.8/480 Feeder
178	Reserve Shutdown	10/15/2013	10:35:00	10/16/2013	05:58:00	19.38	0	0000	UNKN	RESERVE SHUTDOWN
179	Reserve Shutdown	10/18/2013	01:51:00	10/18/2013	10:11:00	8.33	0	0000	UNKN	RESERVE SHUTDOWN
180	Reserve Shutdown	10/19/2013	00:36:00	10/19/2013	09:08:00	8.53	0	0000	UNKN	RESERVE SHUTDOWN
181	Reserve Shutdown	10/20/2013	01:49:00	10/20/2013	09:19:00	7.5	0	0000	UNKN	RESERVE SHUTDOWN
182	Reserve Shutdown	10/20/2013	22:36:00	10/21/2013	06:07:00	7.52	0	0000	UNKN	RESERVE SHUTDOWN
183	Reserve Shutdown	10/22/2013	22:27:00	10/23/2013	13:42:00	15.25	0	0000	UNKN	RESERVE SHUTDOWN
184	Reserve Shutdown	10/26/2013	20:14:00	10/29/2013	07:46:00	59.53	0	0000	UNKN	RESERVE SHUTDOWN
185	Reserve Shutdown	10/29/2013	22:54:00	10/30/2013	11:43:00	12.82	0	0000	UNKN	RESERVE SHUTDOWN
186	Reserve Shutdown	10/30/2013	22:04:00	10/31/2013	12:54:00	14.83	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: BAYSIDE CT1C MDC: 158 Run Date: 11/11/2013

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
152	Reserve Shutdown	10/01/2013	00:00:00	10/03/2013	23:26:00	71.43	0	0000	UNKN	RESERVE SHUTDOWN
153	Full Forced Immed	10/04/2013	01:42:00	10/04/2013	12:45:00	11.05	0	5041	GAST	Fuel gas skid safety valve failure
154	Reserve Shutdown	10/05/2013	00:19:00	10/05/2013	10:47:00	10.47	0	0000	UNKN	RESERVE SHUTDOWN
155	Maintenance Outage	10/05/2013	21:05:00	10/06/2013	12:38:00	15.55	0	5073	GAST	Replaced flame scanner
156	Reserve Shutdown	10/06/2013	21:48:00	10/07/2013	15:11:00	17.38	0	0000	UNKN	RESERVE SHUTDOWN
157	Reserve Shutdown	10/07/2013	20:27:00	10/08/2013	13:33:00	17.1	0	0000	UNKN	RESERVE SHUTDOWN
158	Reserve Shutdown	10/09/2013	00:03:00	10/10/2013	10:58:00	34.92	0	0000	UNKN	RESERVE SHUTDOWN
159	Reserve Shutdown	10/10/2013	20:35:00	10/11/2013	13:19:00	16.73	0	0000	UNKN	RESERVE SHUTDOWN
160	Reserve Shutdown	10/11/2013	20:56:00	10/12/2013	10:52:00	13.93	0	0000	UNKN	RESERVE SHUTDOWN
161	Reserve Shutdown	10/12/2013	19:05:00	10/13/2013	10:44:00	15.65	0	0000	UNKN	RESERVE SHUTDOWN
162	Reserve Shutdown	10/13/2013	18:53:00	10/14/2013	12:41:00	17.8	0	0000	UNKN	RESERVE SHUTDOWN
163	Partial Forced Immed	10/16/2013	16:36:00	10/16/2013	18:45:00	2.15	150	5108	GAST	High turbine compart temperature
164	Reserve Shutdown	10/16/2013	18:46:00	10/16/2013	20:33:00	1.78	0	0000	UNKN	RESERVE SHUTDOWN
165	Maintenance Outage	10/16/2013	20:34:00	10/17/2013	11:13:00	14.65	0	5073	GAST	Flame scanner / cooling coil repairs.
166	Reserve Shutdown	10/17/2013	11:14:00	10/17/2013	12:40:00	1.43	0	0000	UNKN	RESERVE SHUTDOWN
167	Partial Forced Immed	10/17/2013	16:08:00	10/17/2013	17:00:00	0.87	150	5108	GAST	High turbine compartment temperature.
168	Reserve Shutdown	10/17/2013	23:00:00	10/18/2013	06:31:00	7.52	0	0000	UNKN	RESERVE SHUTDOWN
169	Maintenance Outage	10/18/2013	22:16:00	10/19/2013	06:30:00	8.23	0	5039	GAST	Replacement of the 9th stage compressor cooling air f
170	Reserve Shutdown	10/19/2013	06:31:00	10/19/2013	08:26:00	1.92	0	0000	UNKN	RESERVE SHUTDOWN
171	Reserve Shutdown	10/19/2013	23:27:00	10/20/2013	07:41:00	8.23	0	0000	UNKN	RESERVE SHUTDOWN
172	Reserve Shutdown	10/20/2013	20:52:00	10/21/2013	10:33:00	13.68	0	0000	UNKN	RESERVE SHUTDOWN
173	Reserve Shutdown	10/22/2013	00:11:00	10/22/2013	10:35:00	10.4	0	0000	UNKN	RESERVE SHUTDOWN
174	Reserve Shutdown	10/22/2013	18:16:00	10/23/2013	10:42:00	16.43	0	0000	UNKN	RESERVE SHUTDOWN
175	Reserve Shutdown	10/23/2013	22:51:00	10/25/2013	14:19:00	39.47	0	0000	UNKN	RESERVE SHUTDOWN
176	Maintenance Outage	10/25/2013	14:20:00	10/25/2013	14:52:00	0.53	0	5073	GAST	Replacement of the 'B' flame scanner
177	Reserve Shutdown	10/25/2013	14:53:00	10/26/2013	14:28:00	23.58	0	0000	UNKN	RESERVE SHUTDOWN
178	Reserve Shutdown	10/27/2013	22:44:00	10/28/2013	12:03:00	13.32	0	0000	UNKN	RESERVE SHUTDOWN
179	Reserve Shutdown	10/28/2013	20:35:00	10/29/2013	12:43:00	16.13	0	0000	UNKN	RESERVE SHUTDOWN
180	Reserve Shutdown	10/29/2013	18:53:00	10/30/2013	07:14:00	12.35	0	0000	UNKN	RESERVE SHUTDOWN
181	Reserve Shutdown	10/31/2013	21:10:00	10/31/2013	23:59:00	2.82	0	0000	UNKN	RESERVE SHUTDOWN

Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)

Unit: BAYSIDE ST2 MDC: 308 Run Date: 11/11/2013

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

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: **BAYSIDE CT2A** MDC: **158** Run Date: **11/11/2013**

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
189	Reserve Shutdown	10/02/2013	00:51:00	10/02/2013	08:58:00	8.12	0	0000	UNKN	RESERVE SHUTDOWN
190	Reserve Shutdown	10/03/2013	00:17:00	10/03/2013	10:13:00	9.93	0	0000	UNKN	RESERVE SHUTDOWN
191	Reserve Shutdown	10/03/2013	22:48:00	10/04/2013	05:47:00	6.98	0	0000	UNKN	RESERVE SHUTDOWN
192	Reserve Shutdown	10/04/2013	21:12:00	10/05/2013	12:02:00	14.83	0	0000	UNKN	RESERVE SHUTDOWN
193	Reserve Shutdown	10/05/2013	21:51:00	10/06/2013	13:45:00	15.9	0	0000	UNKN	RESERVE SHUTDOWN
194	Reserve Shutdown	10/06/2013	23:56:00	10/07/2013	12:48:00	12.87	0	0000	UNKN	RESERVE SHUTDOWN
195	Full Forced Immed	10/07/2013	13:04:00	10/07/2013	13:52:00	0.8	0	3899	BLPT	IP drum level went to high level causing HRSG to trip
199	Reserve Shutdown	10/07/2013	18:23:00	10/08/2013	10:04:00	15.68	0	0000	UNKN	RESERVE SHUTDOWN
200	Reserve Shutdown	10/08/2013	23:11:00	10/09/2013	08:21:00	9.17	0	0000	UNKN	RESERVE SHUTDOWN
201	Full Forced Immed	10/09/2013	08:22:00	10/09/2013	18:01:00	9.65	0	3644	BLPT	2A isophase ground switch
202	Reserve Shutdown	10/09/2013	18:02:00	10/10/2013	12:27:00	18.42	0	0000	UNKN	RESERVE SHUTDOWN
203	Reserve Shutdown	10/10/2013	21:37:00	10/12/2013	10:21:00	36.73	0	0000	UNKN	RESERVE SHUTDOWN
204	Full Forced Immed	10/12/2013	10:22:00	10/12/2013	19:17:00	8.92	0	3644	BLPT	Failure of Isophase Ground Switch.
205	Reserve Shutdown	10/12/2013	19:18:00	10/13/2013	09:30:00	14.2	0	0000	UNKN	RESERVE SHUTDOWN
206	Reserve Shutdown	10/13/2013	22:32:00	10/14/2013	11:35:00	13.05	0	0000	UNKN	RESERVE SHUTDOWN
207	Reserve Shutdown	10/14/2013	22:56:00	10/15/2013	11:19:00	12.38	0	0000	UNKN	RESERVE SHUTDOWN
208	Reserve Shutdown	10/15/2013	22:17:00	10/16/2013	12:55:00	14.63	0	0000	UNKN	RESERVE SHUTDOWN
209	Reserve Shutdown	10/16/2013	21:53:00	10/17/2013	11:13:00	13.33	0	0000	UNKN	RESERVE SHUTDOWN
210	Reserve Shutdown	10/18/2013	00:19:00	10/18/2013	09:06:00	8.78	0	0000	UNKN	RESERVE SHUTDOWN
211	Reserve Shutdown	10/19/2013	02:40:00	10/19/2013	10:36:00	7.93	0	0000	UNKN	RESERVE SHUTDOWN
212	Reserve Shutdown	10/20/2013	00:26:00	10/20/2013	08:36:00	8.17	0	0000	UNKN	RESERVE SHUTDOWN
213	Reserve Shutdown	10/20/2013	23:57:00	10/21/2013	08:05:00	8.13	0	0000	UNKN	RESERVE SHUTDOWN
214	Reserve Shutdown	10/21/2013	23:23:00	10/22/2013	09:23:00	10	0	0000	UNKN	RESERVE SHUTDOWN
215	Reserve Shutdown	10/22/2013	22:35:00	10/25/2013	16:38:00	66.05	0	0000	UNKN	RESERVE SHUTDOWN
216	Reserve Shutdown	10/26/2013	00:58:00	10/29/2013	14:26:00	85.47	0	0000	UNKN	RESERVE SHUTDOWN
217	Reserve Shutdown	10/29/2013	21:13:00	10/30/2013	10:24:00	13.18	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: **BAYSIDE CT2B** MDC: **158** Run Date: **11/11/2013**

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	10/01/2013	00:00:00	10/01/2013	06:27:00	6.45	0	0000	UNKN	RESERVE SHUTDOWN
144	Reserve Shutdown	10/01/2013	22:48:00	10/02/2013	05:42:00	6.9	0	0000	UNKN	RESERVE SHUTDOWN
145	Reserve Shutdown	10/02/2013	22:23:00	10/03/2013	06:25:00	8.03	0	0000	UNKN	RESERVE SHUTDOWN
146	Reserve Shutdown	10/03/2013	23:52:00	10/04/2013	11:38:00	11.77	0	0000	UNKN	RESERVE SHUTDOWN
147	Reserve Shutdown	10/04/2013	22:25:00	10/05/2013	11:31:00	13.1	0	0000	UNKN	RESERVE SHUTDOWN
148	Reserve Shutdown	10/05/2013	22:48:00	10/06/2013	11:15:00	12.45	0	0000	UNKN	RESERVE SHUTDOWN
149	Reserve Shutdown	10/06/2013	22:51:00	10/07/2013	12:00:00	13.15	0	0000	UNKN	RESERVE SHUTDOWN
150	Reserve Shutdown	10/07/2013	12:37:00	10/08/2013	11:33:00	22.93	0	0000	UNKN	RESERVE SHUTDOWN
151	Reserve Shutdown	10/09/2013	21:10:00	10/10/2013	10:10:00	13	0	0000	UNKN	RESERVE SHUTDOWN
152	Full Forced Immed	10/10/2013	10:11:00	10/10/2013	20:00:00	9.82	0	3644	BLPT	Unit Isophase ground switch malfunction
153	Reserve Shutdown	10/10/2013	20:01:00	10/11/2013	11:09:00	15.13	0	0000	UNKN	RESERVE SHUTDOWN
154	Reserve Shutdown	10/11/2013	22:29:00	10/12/2013	13:58:00	15.48	0	0000	UNKN	RESERVE SHUTDOWN
155	Reserve Shutdown	10/13/2013	23:18:00	10/14/2013	14:22:00	15.07	0	0000	UNKN	RESERVE SHUTDOWN
156	Reserve Shutdown	10/14/2013	21:08:00	10/15/2013	07:49:00	10.68	0	0000	UNKN	RESERVE SHUTDOWN
157	Reserve Shutdown	10/16/2013	00:38:00	10/16/2013	12:00:00	11.37	0	0000	UNKN	RESERVE SHUTDOWN
158	Reserve Shutdown	10/17/2013	00:07:00	10/17/2013	10:12:00	10.08	0	0000	UNKN	RESERVE SHUTDOWN
159	Reserve Shutdown	10/23/2013	21:19:00	10/25/2013	15:17:00	41.97	0	0000	UNKN	RESERVE SHUTDOWN
160	Reserve Shutdown	10/26/2013	00:56:00	10/28/2013	14:17:00	61.35	0	0000	UNKN	RESERVE SHUTDOWN
161	Reserve Shutdown	10/30/2013	20:41:00	10/31/2013	07:32:00	10.85	0	0000	UNKN	RESERVE SHUTDOWN
162	Reserve Shutdown	10/31/2013	19:53:00	10/31/2013	23:59:00	4.1	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: **BAYSIDE CT2C** MDC: **158** Run Date: **11/11/2013**

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
25	Reserve Shutdown	10/01/2013	00:35:00	10/01/2013	08:55:00	8.33	0	0000	UNKN	RESERVE SHUTDOWN
26	Reserve Shutdown	10/08/2013	21:56:00	10/09/2013	00:45:00	2.82	0	0000	UNKN	RESERVE SHUTDOWN
27	Maintenance Outage	10/09/2013	00:46:00	10/09/2013	08:21:00	7.58	0	5097	GAST	Haz gas detectors replaced in turbine compartment
28	Reserve Shutdown	10/09/2013	08:22:00	10/10/2013	13:58:00	29.6	0	0000	UNKN	RESERVE SHUTDOWN
29	Reserve Shutdown	10/12/2013	20:50:00	10/13/2013	12:11:00	15.35	0	0000	UNKN	RESERVE SHUTDOWN
30	Reserve Shutdown	10/17/2013	21:20:00	10/18/2013	05:13:00	7.88	0	0000	UNKN	RESERVE SHUTDOWN
31	Reserve Shutdown	10/18/2013	23:31:00	10/19/2013	06:23:00	6.87	0	0000	UNKN	RESERVE SHUTDOWN
32	Reserve Shutdown	10/19/2013	22:12:00	10/20/2013	10:36:00	12.4	0	0000	UNKN	RESERVE SHUTDOWN
33	Reserve Shutdown	10/20/2013	21:40:00	10/21/2013	10:41:00	13.02	0	0000	UNKN	RESERVE SHUTDOWN
34	Reserve Shutdown	10/21/2013	21:33:00	10/22/2013	12:41:00	15.13	0	0000	UNKN	RESERVE SHUTDOWN
35	Reserve Shutdown	10/22/2013	22:20:00	10/23/2013	10:59:00	12.65	0	0000	UNKN	RESERVE SHUTDOWN
36	Maintenance Outage	10/23/2013	11:00:00	10/24/2013	02:27:00	15.45	0	5190	GAST	Installation of a welded in Globe Valve on the LP stea
37	Reserve Shutdown	10/24/2013	02:28:00	10/24/2013	07:40:00	5.2	0	0000	UNKN	RESERVE SHUTDOWN
38	Reserve Shutdown	10/25/2013	20:58:00	10/26/2013	09:36:00	12.63	0	0000	UNKN	RESERVE SHUTDOWN
39	Reserve Shutdown	10/26/2013	22:29:00	10/27/2013	07:46:00	9.28	0	0000	UNKN	RESERVE SHUTDOWN
40	Reserve Shutdown	10/28/2013	22:00:00	10/30/2013	13:35:00	39.58	0	0000	UNKN	RESERVE SHUTDOWN
41	Reserve Shutdown	10/31/2013	00:38:00	10/31/2013	13:22:00	12.73	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(10/01/2013 - 10/31/2013)**

Unit: **BAYSIDE CT2D** MDC: **158** Run Date: **11/11/2013**

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
202	Reserve Shutdown	09/30/2013	23:59:00	10/01/2013	09:45:00	9.75	0	0000	UNKN	RESERVE SHUTDOWN
203	Reserve Shutdown	10/01/2013	23:54:00	10/02/2013	09:39:00	9.75	0	0000	UNKN	RESERVE SHUTDOWN
204	Reserve Shutdown	10/02/2013	23:22:00	10/03/2013	09:38:00	10.27	0	0000	UNKN	RESERVE SHUTDOWN
205	Reserve Shutdown	10/04/2013	00:44:00	10/04/2013	13:51:00	13.12	0	0000	UNKN	RESERVE SHUTDOWN
206	Reserve Shutdown	10/04/2013	18:26:00	10/05/2013	10:00:00	15.57	0	0000	UNKN	RESERVE SHUTDOWN
207	Reserve Shutdown	10/05/2013	19:12:00	10/06/2013	09:31:00	14.32	0	0000	UNKN	RESERVE SHUTDOWN
208	Reserve Shutdown	10/06/2013	21:06:00	10/07/2013	07:06:00	10	0	0000	UNKN	RESERVE SHUTDOWN
209	Reserve Shutdown	10/07/2013	21:35:00	10/08/2013	06:37:00	9.03	0	0000	UNKN	RESERVE SHUTDOWN
210	Reserve Shutdown	10/08/2013	19:07:00	10/09/2013	07:40:00	12.55	0	0000	UNKN	RESERVE SHUTDOWN
212	Reserve Shutdown	10/10/2013	23:19:00	10/11/2013	14:23:00	15.07	0	0000	UNKN	RESERVE SHUTDOWN
213	Reserve Shutdown	10/11/2013	19:21:00	10/12/2013	12:01:00	16.67	0	0000	UNKN	RESERVE SHUTDOWN
214	Reserve Shutdown	10/12/2013	22:14:00	10/14/2013	06:43:00	32.48	0	0000	UNKN	RESERVE SHUTDOWN
215	Reserve Shutdown	10/15/2013	00:14:00	10/15/2013	13:58:00	13.73	0	0000	UNKN	RESERVE SHUTDOWN
216	Reserve Shutdown	10/15/2013	23:24:00	10/16/2013	10:11:00	10.78	0	0000	UNKN	RESERVE SHUTDOWN
217	Reserve Shutdown	10/16/2013	22:46:00	10/17/2013	06:29:00	7.72	0	0000	UNKN	RESERVE SHUTDOWN
218	Reserve Shutdown	10/22/2013	01:22:00	10/22/2013	11:41:00	10.32	0	0000	UNKN	RESERVE SHUTDOWN
219	Reserve Shutdown	10/22/2013	20:38:00	10/23/2013	16:05:00	19.45	0	0000	UNKN	RESERVE SHUTDOWN
220	Reserve Shutdown	10/24/2013	21:50:00	10/25/2013	10:08:00	12.3	0	0000	UNKN	RESERVE SHUTDOWN
221	Reserve Shutdown	10/25/2013	23:50:00	10/26/2013	11:31:00	11.68	0	0000	UNKN	RESERVE SHUTDOWN
222	Reserve Shutdown	10/27/2013	20:59:00	10/28/2013	09:30:00	12.52	0	0000	UNKN	RESERVE SHUTDOWN
223	Reserve Shutdown	10/28/2013	22:46:00	10/29/2013	10:25:00	11.65	0	0000	UNKN	RESERVE SHUTDOWN
224	Reserve Shutdown	10/30/2013	00:01:00	10/30/2013	12:43:00	12.7	0	0000	UNKN	RESERVE SHUTDOWN
225	Reserve Shutdown	10/30/2013	22:49:00	10/31/2013	11:39:00	12.83	0	0000	UNKN	RESERVE SHUTDOWN
226	Reserve Shutdown	10/31/2013	22:10:00	10/31/2013	23:59:00	1.82	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
COS	Carbonyl Sulfide	LP	Low Pressure
CRH	Cold Reheat	LVDT	Linear Variable Differential Transducer
CSC	Convective Syngas Coolers	MAC	Main Air Compressor
CT	Combustion Turbine	MkVle	Mark 5e GE Logic Controller
DCS	Digital Control System	MOC	Motor Operated Control
EH	Electro Hydraulic	MOV	Motor Operated Valve
FAT	Final Absorber Tower	PLC	Programmable Logic Controller
FD	Forced Draft	Pp	Pump
Fdwtr	Feed water	RATA	Relative Accuracy Test Audit
FGD	Flue Gas Desulfurization	RSV	Reheat Stop Valve
GEHO	Manufacturer of Slurry Pump	RTD	Resistance Temperature Device
GTG	Gas Turbine Generator	SAP	Sulfuric Acid Plant
HP	High Pressure	ST	Steam Turbine
HRSG	Heat Recovery Steam Generator	STARSS	Strategic Anti-Rotating Stall Schedule
HX	Heat Exchanger	T/R	Transformer Rectifier
IAS	Instrument Air Supply	TC	Thermocouple
ID	Induced Draft	WWTL	Water wall tube leak
		ZBL	Zero Ball Loss condenser cleaning system