



**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 27 day of January 2014, to the following:

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A handwritten signature in blue ink, appearing to read "F. Alvin Taylor", is written over a horizontal line. Below the line, the word "ATTORNEY" is printed in a serif font.

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	74.9	64.1	71.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8760
3. SH	122.4	159.0	663.7	651.8	659.0	601.3	716.6	744.0	700.4	563.9	559.5	601.7	6743.3
4. RSH	0.0	0.0	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	161.5	142.3	2016.7
6. POH	257.0	513.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	180.1	0.0	0.0	950.1
7. FOH	364.6	0.0	79.3	68.2	85.0	118.8	27.4	0.0	19.6	0.0	143.5	0.0	906.4
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	142.3	160.3
9. PFOH	26.3	148.0	299.7	76.9	40.2	129.0	229.8	206.9	599.0	354.9	323.2	304.6	2738.5
10. LR PF (MW)	7.7	168.1	98.8	115.9	18.1	25.0	21.2	23.9	26.5	43.5	23.5	155.9	59.8
11. PMOH	0.8	0.0	22.9	1.7	8.0	81.7	23.5	21.3	18.3	21.2	0.3	16.5	216.4
12. LR PM (MW)	0.0	0.0	50.1	0.0	120.4	76.8	170.8	138.6	147.4	117.5	0.0	114.5	103.7
13. NSC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	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	2055.1466	1757.0152	24197.8688
15. NET GEN (MWH)	45745	32994	218329	237862	240612	212558	251543	270885	241178	187132	195527	163530	2297894
16. ANOHR (BTU/KWH)	10648	11337	10523	10378	10581	10560	10361	10461	10532	10624	10511	10744	10530
17. NOF (%)	94.6	52.5	83.3	94.8	94.8	91.8	91.2	94.6	89.4	86.2	90.8	68.8	88.0
18. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388
19. ANOHR EQUATION	ANOHR = NOF(-12.004)+ 11,551												

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 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	58.3	56.7	75.6
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8760
3. SH	278.2	433.3	743.0	577.4	744.0	720.0	744.0	494.9	720.0	644.1	422.9	481.0	7002.8
4. RSH	0.0	0.0	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	298.1	263.0	1757.2
6. POH	217.4	213.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	99.9	0.0	0.0	531.2
7. FOH	248.4	24.8	0.0	0.0	0.0	0.0	0.0	249.1	0.0	0.0	187.5	0.0	709.8
8. MOH	0.0	0.0	0.0	142.6	0.0	0.0	0.0	0.0	0.0	0.0	110.6	263.0	516.2
9. PFOH	93.6	296.0	97.4	116.7	47.1	370.4	702.6	193.9	404.7	72.0	11.3	193.8	2599.4
10. LR PF (MW)	26.4	127.1	74.4	93.0	53.4	23.3	25.6	33.0	22.2	54.6	28.2	114.4	49.7
11. PMOH	15.0	0.7	16.2	1.6	12.8	5.6	35.7	9.1	35.5	6.0	4.7	14.1	157.0
12. LR PM (MW)	4.7	0.0	138.4	0.0	125.5	191.2	128.3	114.9	129.0	0.0	123.5	76.2	107.3
13. NSC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388
14. OPR BTU(GBTU)	1011.8110	1335.0391	2762.7110	2053.6345	2862.9044	2660.4901	2623.3398	1788.9470	2594.5180	2348.4992	1525.5848	1524.1436	25091.6224
15. NET GEN (MWH)	101821	119862	271581	202976	278394	259235	249537	172064	249411	228133	149104	148376	2430494
16. ANOHR (BTU/KWH)	9937	11138	10173	10118	10284	10263	10513	10397	10403	10294	10232	10272	10324
17. NOF (%)	92.6	70.0	92.5	91.3	97.2	93.5	87.1	90.3	90.0	92.0	91.6	78.1	89.5
18. NPC (MW)	395	395	395	385	385	385	385	385	385	385	385	395	388
19. ANOHR EQUATION	ANOHR = NOF(-11.395) + 11,200												

2



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	83.2	90.7	66.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8760
3. SH	744.0	672.0	21.1	0.0	254.6	644.7	744.0	726.2	648.3	552.1	602.4	703.9	6313.3
4. RSH	0.0	0.0	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	118.6	40.1	2446.7
6. POH	0.0	0.0	721.9	720.0	435.9	0.0	0.0	0.0	0.0	191.9	118.6	0.0	2188.3
7. FOH	0.0	0.0	0.0	0.0	27.5	0.0	0.0	17.8	71.7	0.0	0.0	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	0.0	40.1	141.4
9. PFOH	342.2	23.0	0.0	0.0	52.7	36.8	171.7	37.7	212.2	4.0	3.9	74.4	958.5
10. LR PF (MW)	58.5	113.4	0.0	0.0	56.5	99.5	153.8	68.5	80.7	83.5	101.5	130.9	89.5
11. PMOH	401.8	649.0	21.1	0.0	4.3	10.1	22.1	32.7	56.0	22.5	11.6	9.6	1240.7
12. LR PM (MW)	58.6	75.5	88.9	0.0	205.9	101.7	82.2	112.7	94.8	98.7	51.4	87.4	73.2
13. NSC (MW)	365	365	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	2355.4557	2595.6416	22492.9170
15. NET GEN (MWH)	220461	188638	4505	0	86122	232486	249965	266551	214246	203784	225988	247829	2140575
16. ANOHR BTU/KWH	10806	10813	11207	0	10189	10231	10499	10510	10574	10414	10423	10474	10508
17. NOF (%)	81.2	76.9	58.5	0.0	92.7	98.8	92.0	100.6	90.5	101.1	102.8	96.5	92.9
18. NPC (MW)	365	365	365	365	365	365	365	365	365	365	365	365	365
19. ANOHR EQUATION	ANOHR = NOF(-21.678) + 12,439												

3

ORIGINAL SHEET NO. 8.401.13A  
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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	76.5	89.9	77.6
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8760
3. SH	744.0	261.8	722.1	720.0	671.8	409.3	690.5	694.7	507.1	703.9	573.0	710.5	7408.6
4. RSH	0.0	0.0	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	148.0	33.5	1351.4
6. POH	0.0	410.3	11.9	0.0	0.0	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	22.8	4.3	734.7
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40.1	125.3	29.2	194.6
9. PFOH	738.5	261.8	269.5	30.7	593.0	111.5	0.0	94.2	15.2	2.0	287.2	296.0	2699.6
10. LR PF (MW)	180.4	177.3	43.9	4.6	25.2	16.1	0.0	41.5	22.6	170.5	30.6	51.1	87.8
11. PMOH	5.5	0.0	16.0	9.6	14.8	12.0	10.0	3.0	1.3	7.1	0.2	12.8	92.1
12. LR PM (MW)	222.4	0.0	193.2	141.2	77.6	282.1	164.6	0.0	0.0	143.3	0.0	172.4	163.4
13. NSC (MW)	417	417	417	407	407	407	407	407	407	407	407	417	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	2181.9549	2630.5263	27851.2151
15. NET GEN (MWH)	172056	60827	269732	288798	253441	155428	260830	269066	196987	273149	208937	254826	2664076
16. ANOHR BTU/KWH	11062	10830	10167	10376	10577	10534	10440	10569	10312	10330	10443	10323	10454
17. NOF (%)	55.5	55.7	89.6	98.6	92.7	93.3	92.8	95.2	95.5	95.3	89.6	86.0	87.6
18. NPC (MW)	417	417	417	407	407	407	407	407	407	407	407	417	410
19. ANOHR EQUATION	ANOHR = NOF(-24.581) + 12,591												

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	84.1	99.3	79.6
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8760
3. SH	698.6	443.5	717.9	184.9	0.0	396.8	695.2	740.0	720.0	734.6	583.3	739.1	6653.9
4. RSH	0.0	132.3	15.3	127.1	0.0	0.0	23.6	0.0	0.0	0.0	23.4	0.0	321.6
5. UH	45.4	96.1	9.8	408.0	744.0	323.2	25.2	4.0	0.0	9.4	114.3	4.9	1784.4
6. POH	0.0	0.0	0.0	408.0	744.0	185.3	0.0	0.0	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	10.0	4.9	191.0
8. MOH	0.0	76.1	0.0	0.0	0.0	75.8	0.0	0.0	0.0	0.0	104.3	0.0	256.2
9. PFOH	0.0	0.0	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	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	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	0.0	0.0
13. NSC (MW)	220	220	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	1203.7672	1641.7324	14568.1892
15. NET GEN (MWH)	152120	92880	153212	34073	-4609	59478	139297	161894	153099	160558	113507	160486	1375996
16. ANOHR BTU/KWH	10701	10809	10364	12038	0	12766	10764	10075	10410	10023	10605	10230	10587
17. NOF (%)	99.0	95.2	97.0	83.7	0.0	68.1	91.1	99.4	96.7	99.4	88.5	98.7	94.0
18. NPC (MW)	220	220	220	220	220	220	220	220	220	220	220	220	220
19. ANOHR EQUATION	ANOHR = NOF(-130.472) + 22,869												

5



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	51.0	63.5	88.6
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8760
3. SH	564.4	672.0	571.5	720.0	744.0	720.0	744.0	744.0	702.0	664.2	408.9	0.0	7255.0
4. RSH	179.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	149.0	481.3	809.8
5. UH	0.0	0.0	171.5	0.0	0.0	0.0	0.0	0.0	18.0	79.8	163.1	262.7	695.2
6. POH	0.0	0.0	171.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	163.1	0.0	334.6
7. FOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18.0	79.8	0.0	8.6	106.4
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	254.1	254.1
9. PFOH	2.8	0.0	0.0	1.0	4.5	19.5	0.8	0.0	11.9	14.1	0.0	27.6	82.1
10. LR PF (MW)	264.0	0.0	0.0	233.7	233.7	233.7	233.7	0.0	216.2	185.2	0.0	264.0	234.1
11. PMOH	0.0	0.0	101.0	0.0	4.4	0.0	22.6	75.9	22.7	55.2	570.3	0.0	852.0
12. LR PM (MW)	0.0	0.0	240.5	0.0	233.7	0.0	233.7	233.7	233.7	233.7	233.7	0.0	234.5
13. NSC (MW)	792	792	792	701	701	701	701	701	701	701	701	792	724
14. OPR BTU(GBTU)	2068.9170	2603.4990	1412.2370	2422.6010	2282.6310	2451.5690	2089.1720	2295.1710	2081.6820	1747.5860	1265.7420	0.0000	22720.8070
15. NET GEN (MWH)	283302	361640	190076	331371	312471	336597	284611	315569	283891	236579	170850	-830	3106128
16. ANOHR (BTU/KWH)	7303	7199	7430	7311	7305	7283	7340	7273	7333	7387	7408	0	7315
17. NOF (%)	63.4	67.9	42.0	65.7	59.9	66.7	54.6	60.5	57.7	50.8	59.6	0.0	59.2
18. NPC (MW)	792	792	792	701	701	701	701	701	701	701	701	792	731
19. ANOHR EQUATION	ANOHR = NOF(-12.033) + 8,180												

9

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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	38.3	99.5	83.7
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8760
3. SH	485.0	672.0	741.3	537.5	734.8	718.2	744.0	744.0	720.0	744.0	540.9	744.0	8125.8
4. RSH	259.0	0.0	0.0	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	180.1	0.0	375.2
6. POH	0.0	0.0	1.7	175.6	0.0	0.0	0.0	0.0	0.0	0.0	180.1	0.0	357.4
7. FOH	0.0	0.0	0.0	0.0	9.2	1.8	0.0	0.0	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	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	132.0	14.2	2722.8
10. LR PF (MW)	289.2	262.1	261.8	232.3	232.3	232.3	232.3	232.3	232.3	232.3	232.3	261.8	263.4
11. PMOH	0.0	0.0	95.0	0.0	0.0	0.0	54.0	181.5	0.0	23.0	721.0	0.0	1074.5
12. LR PM (MW)	0.0	0.0	261.8	0.0	0.0	0.0	232.3	232.3	0.0	232.3	298.5	0.0	279.3
13. NSC (MW)	1047	1047	1047	929	929	929	929	929	929	929	929	1047	967
14. OPR BTU(GBTU)	1988.4890	2594.2940	2257.3990	2174.8410	2954.1160	3426.1030	2588.2280	2919.4870	2840.5270	2616.2220	1723.4300	2915.5330	30998.6690
15. NET GEN (MWH)	268566	351353	298785	291047	396114	464273	345463	392830	381200	347775	228574	391459	4157439
16. ANOHR (BTU/KWH)	7404	7384	7555	7472	7458	7380	7492	7432	7452	7523	7540	7448	7456
17. NOF (%)	52.9	49.9	38.5	58.3	58.0	69.6	50.0	56.8	57.0	50.3	45.5	50.3	52.9
18. NPC (MW)	1047	1047	1047	929	929	929	929	929	929	929	929	1047	968
19. ANOHR EQUATION	ANOHR = NOF(-9.350) + 8,101												

7

**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

**Unit: BIG BEND 1      MDC: 420      Run Date: 1/8/2014**

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
313	Partial Maintenance	12/01/2013	21:30:00	12/02/2013	00:30:00	3	350	0340	BLR	Mill peaking
314	Planned Derating	12/04/2013	23:20:00	12/05/2013	06:00:00	6.67	220	3220	BLPT	B Circulating Water pump discharge piping leak repair
315	Partial Forced Immed	12/07/2013	09:45:00	12/07/2013	10:50:00	1.08	380	8549	POLL	FGD Removal efficiency limits
316	Partial Forced Immed	12/07/2013	10:50:00	12/07/2013	11:40:00	0.83	400	8549	POLL	FGD Removal efficiency limits
317	Partial Forced Immed	12/07/2013	16:05:00	12/08/2013	10:45:00	18.67	380	8549	POLL	FGD Removal efficiency limits
318	Partial Forced Immed	12/08/2013	10:45:00	12/08/2013	11:45:00	1	340	8549	POLL	FGD Removal efficiency limits
319	Partial Forced Immed	12/08/2013	11:45:00	12/08/2013	12:45:00	1	300	8549	POLL	FGD Removal efficiency limits
320	Partial Forced Immed	12/08/2013	12:45:00	12/08/2013	13:00:00	0.25	275	8549	POLL	FGD Removal efficiency limits
321	Partial Forced Immed	12/08/2013	13:00:00	12/09/2013	00:30:00	11.5	250	8549	POLL	FGD Removal efficiency limits
322	Planned Derating	12/09/2013	00:30:00	12/09/2013	04:45:00	4.25	260	0331	BLR	C2 Mill Inlet coal leak repairs
323	Partial Forced Immed	12/09/2013	15:00:00	12/09/2013	15:15:00	0.25	410	8549	POLL	FGD Removal efficiency limits
324	Partial Forced Immed	12/09/2013	15:15:00	12/09/2013	16:30:00	1.25	380	8549	POLL	FGD Removal efficiency limits
325	Partial Forced Immed	12/09/2013	16:30:00	12/09/2013	17:30:00	1	350	8549	POLL	FGD Removal efficiency limits
326	Partial Forced Immed	12/09/2013	17:30:00	12/09/2013	19:20:00	1.83	250	8549	POLL	FGD Removal efficiency limits
327	Partial Forced Immed	12/09/2013	19:20:00	12/09/2013	20:00:00	0.67	245	8549	POLL	FGD Removal efficiency limits
328	Partial Forced Immed	12/09/2013	20:00:00	12/09/2013	21:30:00	1.5	240	8549	POLL	FGD Removal efficiency limits
329	Partial Forced Immed	12/09/2013	21:30:00	12/10/2013	07:20:00	9.83	235	8549	POLL	FGD Removal efficiency limits
330	Partial Forced Immed	12/10/2013	07:20:00	12/10/2013	11:20:00	4	220	8549	POLL	FGD Removal efficiency limits
331	Partial Forced Immed	12/10/2013	11:20:00	12/10/2013	18:00:00	6.67	210	8549	POLL	FGD Removal efficiency limits
332	Partial Forced Immed	12/10/2013	18:00:00	12/11/2013	02:00:00	8	200	8549	POLL	FGD Removal efficiency limits
333	Partial Forced Immed	12/11/2013	02:00:00	12/12/2013	09:45:00	31.75	190	8549	POLL	FGD Removal efficiency limits
334	Partial Forced Immed	12/12/2013	09:45:00	12/12/2013	18:00:00	8.25	250	8549	POLL	FGD Removal efficiency limits
335	Partial Forced Immed	12/12/2013	18:00:00	12/12/2013	22:45:00	4.75	200	8549	POLL	FGD Removal efficiency limits
336	Maintenance Outage	12/12/2013	22:45:00	12/14/2013	01:35:00	26.83	0	8547	POLL	Tower inspection
337	Partial Forced Immed	12/15/2013	10:45:00	12/15/2013	12:13:00	1.47	380	8549	POLL	FGD Removal efficiency limits
338	Partial Forced Immed	12/15/2013	12:13:00	12/15/2013	12:44:00	0.52	390	8549	POLL	FGD Removal efficiency limits
339	Partial Forced Immed	12/15/2013	12:44:00	12/15/2013	13:30:00	0.77	395	8549	POLL	FGD Removal efficiency limits
340	Partial Forced Immed	12/15/2013	13:30:00	12/15/2013	18:30:00	5	400	8549	POLL	FGD Removal efficiency limits
341	Partial Maintenance	12/15/2013	21:38:00	12/16/2013	00:15:00	2.62	350	0340	BLR	Mill peaking
342	Partial Forced Immed	12/16/2013	11:00:00	12/16/2013	16:10:00	5.17	395	1710	BLR	Boiler controls erratic
343	Partial Forced Immed	12/18/2013	15:50:00	12/18/2013	16:35:00	0.75	390	8549	POLL	FGD Removal efficiency limits



**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit: **BIG BEND 1**      MDC: **420**      Run Date: **1/8/2014**

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
344	Partial Forced Immed	12/18/2013	16:35:00	12/19/2013	00:01:00	7.43	320	8549	POLL	FGD Removal efficiency limits
345	Partial Forced Immed	12/19/2013	00:01:00	12/19/2013	02:30:00	2.48	300	8549	POLL	FGD Removal efficiency limits
346	Partial Forced Immed	12/19/2013	02:30:00	12/19/2013	08:30:00	6	250	8549	POLL	FGD Removal efficiency limits
347	Partial Forced Immed	12/19/2013	08:30:00	12/19/2013	10:15:00	1.75	300	8549	POLL	FGD Removal efficiency limits
348	Partial Forced Immed	12/19/2013	10:15:00	12/19/2013	10:50:00	0.58	290	8549	POLL	FGD Removal efficiency limits
349	Partial Forced Immed	12/19/2013	10:50:00	12/19/2013	15:05:00	4.25	250	8549	POLL	FGD Removal efficiency limits
350	Partial Forced Immed	12/19/2013	15:05:00	12/19/2013	16:25:00	1.33	240	8549	POLL	FGD Removal efficiency limits
351	Partial Forced Immed	12/19/2013	16:25:00	12/19/2013	17:20:00	0.92	250	8549	POLL	FGD Removal efficiency limits
352	Partial Forced Immed	12/19/2013	17:20:00	12/19/2013	19:38:00	2.3	245	8549	POLL	FGD Removal efficiency limits
353	Partial Forced Immed	12/19/2013	19:38:00	12/20/2013	00:08:00	4.5	220	8549	POLL	FGD Removal efficiency limits
354	Partial Forced Immed	12/20/2013	00:08:00	12/20/2013	01:30:00	1.37	210	8549	POLL	FGD Removal efficiency limits
355	Partial Forced Immed	12/20/2013	01:30:00	12/20/2013	21:00:00	19.5	200	8549	POLL	FGD Removal efficiency limits
356	Partial Forced Immed	12/20/2013	21:00:00	12/20/2013	23:30:00	2.5	190	8549	POLL	FGD Removal efficiency limits
357	Partial Forced Immed	12/20/2013	23:30:00	12/21/2013	17:00:00	17.5	200	8549	POLL	FGD Removal efficiency limits
358	Partial Forced Immed	12/21/2013	17:00:00	12/22/2013	06:00:00	13	190	8549	POLL	FGD Removal efficiency limits
359	Partial Forced Immed	12/22/2013	06:00:00	12/22/2013	15:00:00	9	200	8549	POLL	FGD Removal efficiency limits
360	Partial Forced Immed	12/22/2013	15:00:00	12/22/2013	18:50:00	3.83	340	8549	POLL	FGD Removal efficiency limits
361	Partial Forced Immed	12/22/2013	18:50:00	12/22/2013	19:30:00	0.67	360	8549	POLL	FGD Removal efficiency limits
362	Partial Forced Immed	12/22/2013	19:30:00	12/23/2013	03:30:00	8	380	8549	POLL	FGD Removal efficiency limits
363	Partial Forced Immed	12/23/2013	03:30:00	12/23/2013	05:39:00	2.15	360	8549	POLL	FGD Removal efficiency limits
364	Partial Forced Immed	12/23/2013	05:39:00	12/23/2013	07:02:00	1.38	340	8549	POLL	FGD Removal efficiency limits
365	Partial Forced Immed	12/23/2013	07:02:00	12/23/2013	10:14:00	3.2	320	8549	POLL	FGD Removal efficiency limits
366	Partial Forced Immed	12/23/2013	10:14:00	12/23/2013	10:45:00	0.52	280	8549	POLL	FGD Removal efficiency limits
367	Partial Forced Immed	12/23/2013	10:45:00	12/23/2013	11:40:00	0.92	240	8549	POLL	FGD Removal efficiency limits
368	Partial Forced Immed	12/23/2013	11:40:00	12/23/2013	13:00:00	1.33	220	8549	POLL	FGD Removal efficiency limits
369	Partial Forced Immed	12/23/2013	13:00:00	12/23/2013	20:27:00	7.45	200	8549	POLL	FGD Removal efficiency limits
370	Maintenance Outage	12/23/2013	20:27:00	12/28/2013	15:53:00	115.43	0	8547	POLL	Tower inspection
371	Partial Forced Immed	12/28/2013	19:00:00	12/28/2013	21:00:00	2	200	8549	POLL	FGD Removal efficiency limits
372	Partial Forced Immed	12/28/2013	21:00:00	12/30/2013	00:30:00	27.5	220	8549	POLL	FGD Removal efficiency limits

**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit: **BIG BEND 1**      MDC: **420**      Run Date: **1/8/2014**

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
373	Partial Forced Immed	12/30/2013	00:30:00	12/30/2013	05:00:00	4.5	250	8549	POLL	FGD Removal efficiency limits
374	Partial Forced Immed	12/30/2013	05:00:00	12/30/2013	12:30:00	7.5	270	8549	POLL	FGD Removal efficiency limits
375	Partial Forced Immed	12/30/2013	12:30:00	12/30/2013	14:25:00	1.92	350	8549	POLL	FGD Removal efficiency limits
376	Partial Forced Immed	12/30/2013	14:25:00	12/30/2013	15:58:00	1.55	375	8549	POLL	FGD Removal efficiency limits
377	Partial Forced Immed	12/30/2013	15:58:00	12/30/2013	23:59:00	8.02	340	8549	POLL	FGD Removal efficiency limits



**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit: **BIG BEND 2**      MDC: **420**      Run Date: **1/8/2014**

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
269	Partial Maintenance	12/04/2013	01:24:00	12/04/2013	02:21:00	0.95	210	4268	TURB	Turbine valve testing
270	Planned Derating	12/06/2013	00:40:00	12/06/2013	05:00:00	0.22	270	0127	BLR	A2 Crusher Dryer coal leak repair
270	Planned Derating	12/06/2013	00:40:00	12/06/2013	05:00:00	4.12	270	0127	BLR	A2 Crusher Dryer coal leak repair
271	Planned Derating	12/06/2013	00:53:00	12/06/2013	05:55:00	4.12	200	1457	BLR	B ID Fan bearing oil leak
271	Planned Derating	12/06/2013	00:53:00	12/06/2013	05:55:00	0.92	200	1457	BLR	B ID Fan bearing oil leak
272	Partial Forced Immed	12/07/2013	09:45:00	12/07/2013	11:40:00	1.92	380	8549	POLL	FGD Removal efficiency limits
273	Partial Forced Immed	12/07/2013	16:55:00	12/07/2013	23:20:00	6.42	380	8549	POLL	FGD Removal efficiency limits
274	Partial Maintenance	12/07/2013	23:20:00	12/08/2013	01:52:00	2.53	350	0340	BLR	Mill peaking
275	Partial Forced Immed	12/08/2013	01:52:00	12/08/2013	10:45:00	8.88	380	8549	POLL	FGD Removal efficiency limits
276	Partial Forced Immed	12/08/2013	10:45:00	12/08/2013	11:45:00	1	340	8549	POLL	FGD Removal efficiency limits
277	Partial Forced Immed	12/08/2013	11:45:00	12/08/2013	12:45:00	1	300	8549	POLL	FGD Removal efficiency limits
278	Partial Forced Immed	12/08/2013	12:45:00	12/08/2013	13:00:00	0.25	275	8549	POLL	FGD Removal efficiency limits
279	Partial Forced Immed	12/08/2013	13:00:00	12/09/2013	19:20:00	30.33	250	8549	POLL	FGD Removal efficiency limits
280	Partial Forced Immed	12/09/2013	20:00:00	12/09/2013	21:35:00	1.58	240	8549	POLL	FGD Removal efficiency limits
281	Partial Forced Immed	12/09/2013	21:35:00	12/10/2013	07:20:00	9.75	235	8549	POLL	FGD Removal efficiency limits
282	Partial Forced Immed	12/10/2013	07:20:00	12/10/2013	11:20:00	4	220	8549	POLL	FGD Removal efficiency limits
283	Partial Forced Immed	12/10/2013	11:20:00	12/10/2013	11:50:00	0.5	210	8549	POLL	FGD Removal efficiency limits
284	Partial Forced Immed	12/10/2013	11:50:00	12/10/2013	17:15:00	5.42	215	8549	POLL	FGD Removal efficiency limits
285	Maintenance Outage	12/10/2013	17:15:00	12/14/2013	16:43:00	95.47	0	8547	POLL	Tower inspection
286	Partial Forced Immed	12/15/2013	10:44:00	12/15/2013	12:00:00	1.27	380	8549	POLL	FGD Removal efficiency limits
287	Partial Forced Immed	12/15/2013	12:00:00	12/15/2013	13:30:00	1.5	385	8549	POLL	FGD Removal efficiency limits
288	Partial Forced Immed	12/15/2013	13:30:00	12/16/2013	08:15:00	18.75	400	8549	POLL	FGD Removal efficiency limits
289	Maintenance Outage	12/16/2013	11:40:00	12/18/2013	09:07:00	45.45	0	1050	BLR	Boiler tube leak
290	Partial Forced Immed	12/18/2013	13:30:00	12/18/2013	15:15:00	1.75	340	8549	POLL	FGD Removal efficiency limits
291	Partial Forced Immed	12/18/2013	15:15:00	12/18/2013	23:30:00	8.25	320	8549	POLL	FGD Removal efficiency limits
292	Partial Forced Delayed	12/18/2013	23:30:00	12/19/2013	01:00:00	1.5	225	8549	POLL	FGD Removal efficiency limits
293	Partial Maintenance	12/19/2013	01:00:00	12/19/2013	02:13:00	1.22	210	4268	TURB	Turbine valve testing
294	Partial Forced Immed	12/19/2013	04:20:00	12/19/2013	06:00:00	1.67	260	8549	POLL	FGD Removal efficiency limits
295	Partial Forced Immed	12/19/2013	06:00:00	12/19/2013	08:30:00	2.5	255	8549	POLL	FGD Removal efficiency limits
296	Partial Forced Immed	12/19/2013	08:30:00	12/19/2013	15:05:00	6.58	250	8549	POLL	FGD Removal efficiency limits
297	Partial Forced Immed	12/19/2013	15:05:00	12/19/2013	16:25:00	1.33	240	8549	POLL	FGD Removal efficiency limits

11

**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

**Unit: BIG BEND 2      MDC: 420      Run Date: 1/8/2014**

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
298	Partial Forced Immed	12/19/2013	16:25:00	12/19/2013	17:45:00	1.33	250	8549	POLL	FGD Removal efficiency limits
299	Partial Forced Immed	12/19/2013	17:45:00	12/19/2013	19:38:00	1.88	240	8549	POLL	FGD Removal efficiency limits
300	Partial Forced Immed	12/19/2013	19:38:00	12/20/2013	00:01:00	4.38	220	8549	POLL	FGD Removal efficiency limits
301	Partial Forced Immed	12/20/2013	00:01:00	12/20/2013	01:30:00	1.48	210	8549	POLL	FGD Removal efficiency limits
302	Partial Forced Immed	12/20/2013	01:30:00	12/20/2013	21:00:00	19.5	200	8549	POLL	FGD Removal efficiency limits
303	Partial Forced Immed	12/20/2013	21:00:00	12/20/2013	21:08:00	0.13	190	8549	POLL	FGD Removal efficiency limits
304	Partial Forced Immed	12/20/2013	21:08:00	12/21/2013	00:55:00	3.78	185	8549	POLL	FGD Removal efficiency limits
305	Maintenance Outage	12/21/2013	00:55:00	12/26/2013	03:01:00	122.1	0	8547	POLL	Tower inspection
306	Partial Forced Immed	12/26/2013	10:15:00	12/26/2013	12:00:00	1.75	206	8549	POLL	FGD Removal efficiency limits
307	Partial Forced Immed	12/26/2013	12:00:00	12/26/2013	13:00:00	1	220	8549	POLL	FGD Removal efficiency limits
308	Partial Forced Immed	12/26/2013	13:00:00	12/26/2013	16:50:00	3.83	320	8549	POLL	FGD Removal efficiency limits
309	Partial Forced Immed	12/26/2013	16:50:00	12/26/2013	18:30:00	1.67	400	8549	POLL	FGD Removal efficiency limits
310	Partial Forced Immed	12/26/2013	18:30:00	12/26/2013	19:40:00	1.17	380	8549	POLL	FGD Removal efficiency limits
311	Partial Forced Immed	12/26/2013	19:40:00	12/26/2013	21:10:00	1.5	360	8549	POLL	FGD Removal efficiency limits
312	Partial Forced Immed	12/26/2013	21:10:00	12/26/2013	23:55:00	2.75	340	8549	POLL	FGD Removal efficiency limits
313	Partial Forced Immed	12/26/2013	23:55:00	12/27/2013	01:30:00	1.58	320	8549	POLL	FGD Removal efficiency limits
314	Partial Forced Immed	12/27/2013	01:30:00	12/27/2013	03:50:00	2.33	300	8549	POLL	FGD Removal efficiency limits
315	Partial Forced Immed	12/27/2013	03:50:00	12/27/2013	09:45:00	5.92	340	8549	POLL	FGD Removal efficiency limits
316	Partial Forced Immed	12/27/2013	09:45:00	12/27/2013	10:35:00	0.83	360	8549	POLL	FGD Removal efficiency limits
317	Partial Forced Immed	12/27/2013	10:35:00	12/27/2013	11:25:00	0.83	380	8549	POLL	FGD Removal efficiency limits
318	Partial Forced Immed	12/27/2013	11:25:00	12/27/2013	13:15:00	1.83	400	8549	POLL	FGD Removal efficiency limits
319	Partial Forced Immed	12/29/2013	09:51:00	12/29/2013	19:00:00	9.15	400	8549	POLL	FGD Removal efficiency limits
320	Partial Forced Immed	12/29/2013	19:00:00	12/30/2013	04:00:00	9	410	8549	POLL	FGD Removal efficiency limits



**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit: **BIG BEND 3**      MDC: **390**      Run Date: **1/8/2014**

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
112	Planned Derating	12/03/2013	00:01:00	12/03/2013	03:00:00	2.98	275	0262	BLR	Oil leak repairs
113	Planned Derating	12/04/2013	01:03:00	12/04/2013	06:05:00	5.03	280	0331	BLR	C Pulverizer system coal leak repairs
114	Partial Maintenance	12/08/2013	01:50:00	12/08/2013	02:50:00	1	310	4268	TURB	Turbine valve testing
115	Partial Forced Immed	12/16/2013	07:40:00	12/16/2013	10:30:00	2.83	360	8160	POLL	FGD carryover
116	Partial Forced Delayed	12/16/2013	10:30:00	12/16/2013	11:50:00	1.33	190	8450	POLL	B Tower inspection
117	Partial Forced Immed	12/16/2013	11:50:00	12/16/2013	14:15:00	2.42	360	8160	POLL	FGD carryover
118	Partial Forced Delayed	12/17/2013	08:45:00	12/18/2013	18:50:00	34.08	190	8450	POLL	A Tower inspection
119	Partial Maintenance	12/22/2013	02:10:00	12/22/2013	02:45:00	0.58	320	4268	TURB	Turbine valve testing
120	Partial Forced Delayed	12/28/2013	03:40:00	12/28/2013	07:00:00	3.33	380	1050	BLR	Operating at reduced steam header pressure (2200#)
121	Partial Forced Delayed	12/28/2013	07:00:00	12/28/2013	11:30:00	4.5	355	1050	BLR	Operating at reduced steam header pressure (2000#)
122	Partial Forced Immed	12/28/2013	11:30:00	12/29/2013	13:26:00	25.93	275	0250	BLR	A Coal feeder belt separation
123	Maintenance Outage	12/29/2013	13:26:00	12/31/2013	05:30:00	40.07	0	1050	BLR	Boiler tube leak repairs

**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit:	BIG BEND 4	MDC:	450							Run Date:	1/8/2014
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	
95	Partial Maintenance	11/30/2013	23:50:00	12/01/2013	01:00:00	1	225	4268	TURB	Turbine valve testing	
96	Full Forced Immed	12/02/2013	07:03:00	12/02/2013	11:22:00	4.32	0	1750	BLR	Unit tripped on loss of support energy	
97	Planned Derating	12/04/2013	00:13:00	12/04/2013	03:54:00	3.68	375	0340	BLR	C Pulverizer C4 discharge valve repair	
98	Partial Forced Immed	12/06/2013	09:00:00	12/06/2013	10:00:00	1	440	8260	POLL	D Booster fan inlet vane stuck	
99	Partial Forced Immed	12/06/2013	10:00:00	12/06/2013	10:45:00	0.75	430	8260	POLL	D Booster fan inlet vane stuck	
100	Partial Forced Immed	12/06/2013	10:45:00	12/06/2013	15:00:00	4.25	420	8260	POLL	D Booster fan inlet vane stuck	
101	Partial Forced Immed	12/06/2013	15:00:00	12/07/2013	02:30:00	11.5	445	8260	POLL	D Booster fan inlet vane stuck	
102	Planned Derating	12/07/2013	02:30:00	12/07/2013	07:40:00	5.17	150	8260	POLL	D Booster fan maintenance	
103	Partial Forced Immed	12/07/2013	09:30:00	12/07/2013	14:15:00	4.75	180	8260	POLL	D Booster fan tripped	
104	Partial Forced Immed	12/07/2013	14:25:00	12/07/2013	15:30:00	1.08	180	8120	POLL	D Tower pumps tripped	
105	Maintenance Outage	12/11/2013	01:00:00	12/12/2013	05:06:00	28.1	0	3431	BLPT	BFPT PNR valve repair	
106	Partial Forced Immed	12/13/2013	22:19:00	12/14/2013	05:00:00	6.68	440	1455	BLR	A ID Fan outboard bearing indicating high vibration	
107	Partial Forced Immed	12/17/2013	15:00:00	12/17/2013	19:05:00	4.08	330	0250	BLR	E Pulverizer feeder belt separated	
108	Partial Forced Immed	12/20/2013	22:00:00	12/22/2013	05:00:00	31	445	8299	POLL	FGD inlet duct pressure high	
109	Partial Forced Immed	12/22/2013	05:00:00	12/28/2013	01:15:00	140.25	420	0340	BLR	C Pulverizer has high vibration	
110	Planned Derating	12/28/2013	01:15:00	12/28/2013	02:50:00	1.58	330	0344	BLR	C Pulverizer inspection	
111	Planned Derating	12/28/2013	02:50:00	12/28/2013	04:00:00	1.17	160	8260	POLL	D Booster Fan inlet vane card replacement	
112	Planned Derating	12/28/2013	04:00:00	12/28/2013	04:10:00	0.17	330	0344	BLR	C Pulverizer inspection	
113	Partial Forced Delayed	12/28/2013	04:10:00	12/28/2013	06:55:00	2.75	420	1050	BLR	Operating at reduced steam header pressure (2200#)	
114	Partial Forced Immed	12/28/2013	06:55:00	12/28/2013	10:40:00	3.75	375	1050	BLR	Operating at reduced steam header pressure (2000#)	
115	Partial Forced Immed	12/28/2013	10:40:00	12/31/2013	22:52:00	84.2	340	1050	BLR	Operating at reduced steam header pressure (1800#)	
116	Maintenance Outage	12/31/2013	22:52:00	12/31/2013	23:59:00	1.12	0	1050	BLR	Boiler tube leak repair	

**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit: POLK 1 MDC: 290 Run Date: 1/8/2014

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
89	Noncurtailing	12/02/2013	14:25:00	12/02/2013	15:00:00	0.58	290	5049	GAST	Acid Plant Trip
90	Partial Forced Immed	12/02/2013	11:30:00	12/11/2013	10:48:00	93.17	284	5049	GAST	Amine Lean/Rich Amine plugged, poor removal of SO.
90	Partial Forced Immed	12/02/2013	11:30:00	12/11/2013	10:48:00	2.33	284	5049	GAST	Amine Lean/Rich Amine plugged, poor removal of SO.
90	Partial Forced Immed	12/02/2013	11:30:00	12/11/2013	10:48:00	119.8	284	5049	GAST	Amine Lean/Rich Amine plugged, poor removal of SO.
91	Partial Forced Immed	12/06/2013	08:40:00	12/06/2013	11:00:00	2.33	269	5049	GAST	Amine pump issues, tripped acid plant
92	Full Forced Immed	12/18/2013	10:48:00	12/18/2013	12:15:00	1.45	0	5049	GAST	Clean Gas Flare valve failed open on lost of air, corro:
93	Partial Forced Immed	12/22/2013	06:52:00	12/23/2013	16:30:00	33.63	225	5049	GAST	Sootblower leak on 7th floor, inadequate purge nitroge
94	Full Forced Immed	12/27/2013	15:16:00	12/27/2013	18:43:00	3.45	0	5110	GAST	Lube Oil Low pressure trip, investigation in place
95	Partial Forced Immed	12/29/2013	11:00:00	12/29/2013	18:10:00	7.17	220	5049	GAST	GEHO Discharge valve failure, Hot Restart



**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit:	BAYSIDE ST1	MDC:	246							Run Date:	1/8/2014
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	
6	Reserve Shutdown	12/01/2013	00:00:00	12/04/2013	10:52:00	82.87	0	0000	UNKN	RESERVE SHUTDOWN	
7	Maintenance Outage	12/04/2013	10:52:00	12/15/2013	00:59:00	254.12	0	4312	TURB	Thrust probe instrumentation and rotor expansion inst	
8	Reserve Shutdown	12/15/2013	00:59:00	12/20/2013	07:52:00	126.88	0	0000	UNKN	RESERVE SHUTDOWN	
9	Full Forced Immed	12/20/2013	07:52:00	12/20/2013	16:27:00	8.58	0	3211	BLPT	Ground Fault Trip of 1A Circ Water pump motor.	
10	Reserve Shutdown	12/20/2013	16:27:00	01/01/2014	00:00:00	271.55	0	0000	UNKN	RESERVE SHUTDOWN	

**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit:	BAYSIDE CT1A	MDC:	185	Run Date:	1/8/2014					
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	12/01/2013	00:00:00	01/01/2014	00:00:00	744	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit: **BAYSIDE CT1B**      MDC: **185**      Run Date: **1/8/2014**

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
197	Reserve Shutdown	12/01/2013	00:00:00	12/05/2013	13:21:00	109.35	0	0000	UNKN	RESERVE SHUTDOWN
198	Full Forced Immed	12/05/2013	13:21:00	12/06/2013	10:46:00	21.42	0	5113	GAST	Oil leak in accessory module
199	Full Forced Immed	12/06/2013	10:46:00	12/06/2013	17:00:00	6.23	0	5041	GAST	Replacement of the Fuel Gas 'Y' Strainer gasket
200	Reserve Shutdown	12/06/2013	17:00:00	01/01/2014	00:00:00	607	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit:	BAYSIDE CT1C	MDC:	185					Run Date:	1/8/2014	
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
190	Reserve Shutdown	12/01/2013	00:00:00	01/01/2014	00:00:00	744	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit:	BAYSIDE ST2	MDC:	318						Run Date:	1/8/2014
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  
(12/01/2013 - 12/31/2013)**

Unit: BAYSIDE CT2A MDC: 185 Run Date: 1/8/2014

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
225	Reserve Shutdown	12/01/2013	00:00:00	12/02/2013	07:24:00	31.4	0	0000	UNKN	RESERVE SHUTDOWN
226	Reserve Shutdown	12/03/2013	21:47:00	12/04/2013	04:30:00	6.72	0	0000	UNKN	RESERVE SHUTDOWN
227	Full Forced Immed	12/04/2013	04:30:00	12/04/2013	12:00:00	7.5	0	3644	BLPT	R/R multi-lens on 13.8 kv and 4160 v brkr's
228	Reserve Shutdown	12/04/2013	12:00:00	12/05/2013	12:05:00	24.08	0	0000	UNKN	RESERVE SHUTDOWN
229	Reserve Shutdown	12/17/2013	22:47:00	12/18/2013	05:37:00	6.83	0	0000	UNKN	RESERVE SHUTDOWN
230	Reserve Shutdown	12/18/2013	07:36:00	12/18/2013	16:26:00	8.83	0	0000	UNKN	RESERVE SHUTDOWN
231	Reserve Shutdown	12/19/2013	09:18:00	12/19/2013	16:28:00	7.17	0	0000	UNKN	RESERVE SHUTDOWN
232	Reserve Shutdown	12/20/2013	21:25:00	12/21/2013	03:33:00	6.13	0	0000	UNKN	RESERVE SHUTDOWN
233	Full Forced Immed	12/21/2013	03:33:00	12/21/2013	07:03:00	3.5	0	5120	GAST	Blown hydraulic high pressure tubing line.
234	Reserve Shutdown	12/21/2013	07:03:00	12/21/2013	08:15:00	1.2	0	0000	UNKN	RESERVE SHUTDOWN
235	Full Forced Immed	12/21/2013	08:15:00	12/21/2013	09:58:00	1.72	0	5041	GAST	Failure of the Fuel Gas Stop Valve solenoid.
236	Reserve Shutdown	12/24/2013	00:04:00	12/24/2013	08:37:00	8.55	0	0000	UNKN	RESERVE SHUTDOWN
237	Reserve Shutdown	12/26/2013	22:51:00	12/28/2013	11:08:00	36.28	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit: **BAYSIDE CT2B**      MDC: **185**      Run Date: **1/8/2014**

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
182	Reserve Shutdown	12/01/2013	00:00:00	12/02/2013	10:44:00	34.73	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
183	Reserve Shutdown	12/02/2013	21:12:00	12/04/2013	09:56:00	36.73	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
184	Reserve Shutdown	12/04/2013	22:17:00	12/06/2013	11:42:00	37.42	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
185	Reserve Shutdown	12/06/2013	20:23:00	12/07/2013	10:13:00	13.83	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
186	Reserve Shutdown	12/07/2013	21:26:00	12/08/2013	11:31:00	14.08	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
187	Reserve Shutdown	12/08/2013	22:42:00	12/09/2013	06:14:00	7.53	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
188	Reserve Shutdown	12/09/2013	22:52:00	12/10/2013	06:30:00	7.63	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
189	Reserve Shutdown	12/15/2013	00:05:00	12/16/2013	08:34:00	32.48	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
190	Reserve Shutdown	12/16/2013	13:27:00	12/17/2013	03:31:00	14.07	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
191	Reserve Shutdown	12/17/2013	23:32:00	12/18/2013	06:31:00	6.98	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
192	Reserve Shutdown	12/18/2013	21:42:00	12/19/2013	04:43:00	7.02	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
193	Reserve Shutdown	12/19/2013	23:26:00	12/20/2013	12:47:00	13.35	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
194	Reserve Shutdown	12/20/2013	23:07:00	12/21/2013	09:02:00	9.92	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
195	Reserve Shutdown	12/23/2013	00:51:00	12/23/2013	09:05:00	8.23	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
196	Reserve Shutdown	12/24/2013	22:35:00	12/25/2013	07:25:00	8.83	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
197	Reserve Shutdown	12/27/2013	21:38:00	12/28/2013	09:25:00	11.78	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
198	Reserve Shutdown	12/29/2013	00:09:00	12/29/2013	07:56:00	7.78	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
199	Reserve Shutdown	12/30/2013	00:04:00	12/30/2013	07:16:00	7.2	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
200	Reserve Shutdown	12/31/2013	00:11:00	01/01/2014	00:00:00	23.82	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit: BAYSIDE CT2C MDC: 185 Run Date: 1/8/2014

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
50	Reserve Shutdown	12/02/2013	12:00:00	12/04/2013	12:41:00	48.68	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
51	Reserve Shutdown	12/04/2013	20:49:00	12/05/2013	09:51:00	13.03	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
52	Reserve Shutdown	12/05/2013	20:49:00	12/06/2013	09:42:00	12.88	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
53	Reserve Shutdown	12/06/2013	19:10:00	12/07/2013	11:01:00	15.85	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
54	Reserve Shutdown	12/07/2013	18:49:00	12/08/2013	12:08:00	17.32	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
55	Reserve Shutdown	12/08/2013	21:38:00	12/09/2013	10:28:00	12.83	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
56	Reserve Shutdown	12/09/2013	22:09:00	12/10/2013	10:11:00	12.03	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
57	Reserve Shutdown	12/11/2013	22:47:00	12/12/2013	05:50:00	7.05	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
58	Reserve Shutdown	12/12/2013	23:00:00	12/13/2013	05:55:00	6.92	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
59	Reserve Shutdown	12/13/2013	21:37:00	12/14/2013	06:49:00	9.2	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
60	Reserve Shutdown	12/14/2013	22:46:00	12/16/2013	17:13:00	42.45	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
61	Reserve Shutdown	12/17/2013	01:21:00	12/17/2013	13:49:00	12.47	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
62	Reserve Shutdown	12/18/2013	23:02:00	12/19/2013	06:42:00	7.67	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
63	Reserve Shutdown	12/19/2013	21:12:00	12/20/2013	05:49:00	8.62	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
64	Reserve Shutdown	12/22/2013	00:16:00	12/22/2013	09:16:00	9	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
65	Reserve Shutdown	12/22/2013	23:34:00	12/23/2013	07:05:00	7.52	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
66	Reserve Shutdown	12/25/2013	21:16:00	12/26/2013	06:33:00	9.28	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
67	Reserve Shutdown	12/26/2013	23:44:00	12/27/2013	09:16:00	9.53	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
68	Reserve Shutdown	12/27/2013	23:09:00	12/28/2013	07:43:00	8.57	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
69	Reserve Shutdown	12/28/2013	22:31:00	12/29/2013	11:09:00	12.63	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
70	Reserve Shutdown	12/29/2013	22:41:00	12/30/2013	09:32:00	10.85	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
71	Reserve Shutdown	12/30/2013	22:44:00	01/01/2014	00:00:00	25.27	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN



**Tampa Electric Company  
Outage Listing  
(12/01/2013 - 12/31/2013)**

Unit: **BAYSIDE CT2D**      MDC: **185**      Run Date: **1/8/2014**

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
240	Reserve Shutdown	12/01/2013	00:00:00	12/02/2013	09:23:00	33.38	0	0000	UNKN	RESERVE SHUTDOWN
241	Full Forced Immed	12/02/2013	10:30:00	12/02/2013	12:00:00	1.5	0	5048	GAST	gas skid gas heater problems could not get gas temp
242	Reserve Shutdown	12/02/2013	12:00:00	12/03/2013	16:43:00	28.72	0	0000	UNKN	RESERVE SHUTDOWN
243	Reserve Shutdown	12/05/2013	22:34:00	12/06/2013	11:05:00	12.52	0	0000	UNKN	RESERVE SHUTDOWN
244	Reserve Shutdown	12/06/2013	22:17:00	12/07/2013	09:49:00	11.53	0	0000	UNKN	RESERVE SHUTDOWN
245	Reserve Shutdown	12/07/2013	22:52:00	12/08/2013	09:55:00	11.05	0	0000	UNKN	RESERVE SHUTDOWN
246	Reserve Shutdown	12/08/2013	23:40:00	12/09/2013	08:11:00	8.52	0	0000	UNKN	RESERVE SHUTDOWN
247	Reserve Shutdown	12/10/2013	00:04:00	12/10/2013	08:56:00	8.87	0	0000	UNKN	RESERVE SHUTDOWN
248	Reserve Shutdown	12/13/2013	23:50:00	12/14/2013	09:24:00	9.57	0	0000	UNKN	RESERVE SHUTDOWN
249	Reserve Shutdown	12/15/2013	01:47:00	12/16/2013	09:23:00	31.6	0	0000	UNKN	RESERVE SHUTDOWN
250	Reserve Shutdown	12/16/2013	23:08:00	12/17/2013	15:37:00	16.48	0	0000	UNKN	RESERVE SHUTDOWN
251	Reserve Shutdown	12/18/2013	12:42:00	12/19/2013	03:58:00	15.27	0	0000	UNKN	RESERVE SHUTDOWN
252	Reserve Shutdown	12/19/2013	22:50:00	12/20/2013	06:30:00	7.67	0	0000	UNKN	RESERVE SHUTDOWN
253	Reserve Shutdown	12/21/2013	22:31:00	12/22/2013	08:13:00	9.7	0	0000	UNKN	RESERVE SHUTDOWN
254	Reserve Shutdown	12/22/2013	22:20:00	12/23/2013	05:24:00	7.07	0	0000	UNKN	RESERVE SHUTDOWN
255	Reserve Shutdown	12/25/2013	23:18:00	12/27/2013	07:05:00	31.78	0	0000	UNKN	RESERVE SHUTDOWN
256	Reserve Shutdown	12/28/2013	20:31:00	12/29/2013	09:48:00	13.28	0	0000	UNKN	RESERVE SHUTDOWN
257	Reserve Shutdown	12/29/2013	20:50:00	12/30/2013	05:25:00	8.58	0	0000	UNKN	RESERVE SHUTDOWN
258	Reserve Shutdown	12/30/2013	21:24:00	12/31/2013	05:36:00	8.2	0	0000	UNKN	RESERVE SHUTDOWN

Tampa Electric Company  
Actual Unit Performance  
Outage Listing Abbreviations and Descriptions

AGA	Acid Gas Absorber	KO	Knock Out
APH	Air Preheater	LCI	Load Commutated Inverter
ASU	Air Separation Unit	LOTO	Lock Out Tag Out
BFP	Boiler Feed Pump	LOX	Low Oxygen
BFPT	Boiler Feed Pump Turbine	LP	Low Pressure
COS	Carbonyl Sulfide	LVDT	Linear Variable Differential Transducer
CRH	Cold Reheat	MAC	Main Air Compressor
CSC	Convective Syngas Coolers	MkVIe	Mark 5e GE Logic Controller
CT	Combustion Turbine	MOC	Motor Operated Control
DCS	Digital Control System	MOV	Motor Operated Valve
EH	Electro Hydraulic	PLC	Programmable Logic Controller
FAT	Final Absorber Tower	Pp	Pump
FD	Forced Draft	R/R	Remove and replace
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
IP	Intermediate Pressure	ZBL	Zero Ball Loss condenser cleaning system