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August 26, 2013

HAND DELIVERED

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

Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance
Incentive Factor; FPSC Docket No. 130001-EI


Dear Ms. Cole:

Enclosed for filing in the above docket are the original and ten (10) copies of Tampa
Electric Company's GPIF Actual Unit Performance Data Schedules for the month of July 2013.

Please acknowledge receipt and filing of the above by stamping the duplicate copy of this
letter and returning same to this writer.

Thank you for your assistance in connection with this matter.

Sincerely,


James D. Beasley

JDB/ne
Enclosure

cc: All parties of record (w/enc.)
Mr. Tom Ballinger (w/enc.)

COM
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TEL
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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 26th day of August 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						66.0
2. PH	744	672	743	720	744	720	744						5087
3. SH	122.4	159.0	663.7	651.8	659.0	601.3	716.6						3573.8
4. RSH	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						1513.2
6. POH	257.0	513.0	0.0	0.0	0.0	0.0	0.0						770.0
7. FOH	364.6	0.0	79.3	68.2	85.0	118.8	27.4						743.2
8. MOH	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						950.0
10. LR PF (MW)	7.7	168.1	98.8	115.9	18.1	25.0	21.2						76.3
11. PMOH	0.8	0.0	22.9	1.7	8.0	81.7	23.5						138.7
12. LR PM (MW)	0.0	0.0	50.1	0.0	120.4	76.8	170.8						89.5
13. NSC (MW)	395	395	395	385	385	385	385						388
14. OPR BTU(GBTU)	487.0975	374.0533	2297.3731	2468.4777	2545.9370	2244.5798	2606.3129						13023.8312
15. NET GEN (MWH)	45745	32994	218329	237862	240612	212558	251543						1239642
16. ANOHR (BTU/KWH)	10648	11337	10523	10378	10581	10560	10361						10506
17. NOF (%)	94.6	52.5	83.3	94.8	94.8	91.8	91.2						89.5
18. NPC (MW)	395	395	395	385	385	385	385						389
19. ANOHR EQUATION	ANOHR = NOF(-12.004)+ 11,551												

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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
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						78.5
2. PH	744	672	743	720	744	720	744						5087
3. SH	278.2	433.3	743.0	577.4	744.0	720.0	744.0						4239.9
4. RSH	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						847.1
6. POH	217.4	213.8	0.0	0.0	0.0	0.0	0.0						431.2
7. FOH	248.4	24.8	0.0	0.0	0.0	0.0	0.0						273.2
8. MOH	0.0	0.0	0.0	142.6	0.0	0.0	0.0						142.6
9. PFOH	93.6	296.0	97.4	116.7	47.1	370.4	702.6						1723.7
10. LR PF (MW)	26.4	127.1	74.4	93.0	53.4	23.3	25.6						50.7
11. PMOH	15.0	0.7	16.2	1.6	12.8	5.6	35.7						87.5
12. LR PM (MW)	4.7	0.0	138.4	0.0	125.5	191.2	128.3						109.3
13. NSC (MW)	395	395	395	385	385	385	385						388
14. OPR BTU(GBTU)	1011.8110	1335.0391	2762.7110	2053.6345	2862.9044	2660.4901	2623.3398						15309.9299
15. NET GEN (MWH)	101821	119862	271581	202976	278394	259235	249537						1483406
16. ANOHR (BTU/KWH)	9937	11138	10173	10118	10284	10263	10513						10321
17. NOF (%)	92.6	70.0	92.5	91.3	97.2	93.5	87.1						90.1
18. NPC (MW)	395	395	395	385	385	385	385						389
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						53.3
2. PH	744	672	743	720	744	720	744						5087
3. SH	744.0	672.0	21.1	0.0	254.6	644.7	744.0						3080.3
4. RSH	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						2006.7
6. POH	0.0	0.0	721.9	720.0	435.9	0.0	0.0						1877.8
7. FOH	0.0	0.0	0.0	0.0	27.5	0.0	0.0						27.5
8. MOH	0.0	0.0	0.0	0.0	26.0	75.3	0.0						101.4
9. PFOH	342.2	23.0	0.0	0.0	52.7	36.8	171.7						626.4
10. LR PF (MW)	58.5	113.4	0.0	0.0	56.5	99.5	153.8						88.9
11. PMOH	401.8	649.0	21.1	0.0	4.3	10.1	22.1						1108.4
12. LR PM (MW)	58.6	75.5	88.9	0.0	205.9	101.7	82.2						70.5
13. NSC (MW)	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						10352.9082
15. NET GEN (MWH)	220461	188638	4505	0	86122	232486	249965						982177
16. ANOHR BTU/KWH	10806	10813	11207	0	10189	10231	10499						10541
17. NOF (%)	81.2	76.9	58.5	0.0	92.7	98.8	92.0						87.4
18. NPC (MW)	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						72.4
2. PH	744	672	743	720	744	720	744						5087
3. SH	744.0	261.8	722.1	720.0	671.8	409.3	690.5						4219.5
4. RSH	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						867.5
6. POH	0.0	410.3	11.9	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						445.4
8. MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0						0.0
9. PFOH	738.5	261.8	269.5	30.7	593.0	111.5	0.0						2005.0
10. LR PF (MW)	180.4	177.3	43.9	4.6	25.2	16.1	0.0						103.9
11. PMOH	5.5	0.0	16.0	9.6	14.8	12.0	10.0						67.9
12. LR PM (MW)	222.4	0.0	193.2	141.2	77.6	282.1	164.6						174.6
13. NSC (MW)	417	417	417	407	407	407	407						411
14. OPR BTU(GBTU)	1903.3464	658.7300	2742.4696	2996.4592	2680.6620	1637.3214	2723.1753						15342.1640
15. NET GEN (MWH)	172056	60827	269732	288798	253441	155428	260830						1461111
16. ANOHR BTU/KWH	11062	10830	10167	10376	10577	10534	10440						10500
17. NOF (%)	55.5	55.7	89.6	98.6	92.7	93.3	92.8						84.2
18. NPC (MW)	417	417	417	407	407	407	407						411
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						67.5
2. PH	744	672	743	720	744	720	744						5087
3. SH	698.6	443.5	717.9	184.9	0.0	396.8	695.2						3137.0
4. RSH	0.0	132.3	15.3	127.1	0.0	0.0	23.6						298.2
5. UH	45.4	96.1	9.8	408.0	744.0	323.2	25.2						1651.8
6. POH	0.0	0.0	0.0	408.0	744.0	185.3	0.0						1337.2
7. FOH	45.4	20.0	9.8	0.0	0.0	62.2	25.2						162.6
8. MOH	0.0	76.1	0.0	0.0	0.0	75.8	0.0						151.9
9. PFOH	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
11. PMOH	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
13. NSC (MW)	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						6888.4552
15. NET GEN (MWH)	152120	92880	153212	34073	-4609	59478	139297						626452
16. ANOHR BTU/KWH	10701	10809	10364	12038	0	12766	10764						10996
17. NOF (%)	99.0	95.2	97.0	83.7	0.0	68.1	91.1						90.8
18. NPC (MW)	220	220	220	220	220	220	220						220
19. ANOHR EQUATION	ANOHR = NOF(-130.472) + 22,869												

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						95.6
2. PH	744	672	743	720	744	720	744						5087
3. SH	564.4	672.0	571.5	720.0	744.0	720.0	744.0						4735.9
4. RSH	179.6	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						171.5
6. POH	0.0	0.0	171.5	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
8. MOH	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						28.5
10. LR PF (MW)	264.0	0.0	0.0	233.7	233.7	233.7	233.7						236.7
11. PMOH	0.0	0.0	101.0	0.0	4.4	0.0	22.6						127.9
12. LR PM (MW)	0.0	0.0	240.5	0.0	233.7	0.0	233.7						239.0
13. NSC (MW)	792	792	792	701	701	701	701						736
14. OPR BTU(GBTU)	2068.9170	2603.4990	1412.2370	2422.6010	2282.6310	2451.5690	2089.1720						15330.6260
15. NET GEN (MWH)	283302	361640	190076	331371	312471	336597	284611						2100069
16. ANOHR (BTU/KWH)	7303	7199	7430	7311	7305	7283	7340						7300
17. NOF (%)	63.4	67.9	42.0	65.7	59.9	66.7	54.6						60.3
18. NPC (MW)	792	792	792	701	701	701	701						740
19. ANOHR EQUATION	ANOHR = NOF(-12.033) + 8,180												

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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 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						82.0
2. PH	744	672	743	720	744	720	744						5087
3. SH	485.0	672.0	741.3	537.5	734.8	718.2	744.0						4632.8
4. RSH	259.0	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						195.1
6. POH	0.0	0.0	1.7	175.6	0.0	0.0	0.0						177.3
7. FOH	0.0	0.0	0.0	0.0	9.2	1.8	0.0						11.0
8. MOH	0.0	0.0	0.0	6.8	0.0	0.0	0.0						6.8
9. PFOH	744.0	672.0	743.0	337.8	22.5	1.5	0.7						2521.5
10. LR PF (MW)	289.2	262.1	261.8	232.3	232.3	232.3	232.3						265.7
11. PMOH	0.0	0.0	95.0	0.0	0.0	0.0	54.0						149.0
12. LR PM (MW)	0.0	0.0	261.8	0.0	0.0	0.0	232.3						251.1
13. NSC (MW)	1047	1047	1047	929	929	929	929						977
14. OPR BTU(GBTU)	1988.4890	2594.2940	2257.3990	2174.8410	2954.1160	3426.1030	2588.2280						17983.4700
15. NET GEN (MWH)	268566	351353	298785	291047	396114	464273	345463						2415601
16. ANOHR (BTU/KWH)	7404	7384	7555	7472	7458	7380	7492						7445
17. NOF (%)	52.9	49.9	38.5	58.3	58.0	69.6	50.0						53.3
18. NPC (MW)	1047	1047	1047	929	929	929	929						980
19. ANOHR EQUATION	ANOHR = NOF(-9.350) + 8,101												

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Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)

Unit: **BIG BEND 1** MDC: **410** Run Date: **8/12/2013**

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
86	Partial Forced Immed	07/03/2013	17:45:00	07/03/2013	19:10:00	1.42	370	8760	CEM	High opacity indication
87	Planned Derating	07/03/2013	23:00:00	07/04/2013	04:10:00	5.17	195	1420	BLR	Unplugging B Forced Draft fan cooling water lines
88	Planned Derating	07/04/2013	22:38:00	07/05/2013	03:25:00	4.78	260	0264	BLR	Unplugging C Primary Air fan cooling water lines
101	Noncurtailing	07/10/2013	00:20:00	07/10/2013	01:30:00	1.17	340	8550	POLL	Precipitator power off rapping
102	Partial Maintenance	07/11/2013	01:45:00	07/11/2013	02:30:00	0.75	210	4268	TURB	Turbine valve testing
103	Planned Derating	07/11/2013	01:37:00	07/11/2013	01:45:00	0.13	270	0340	BLR	A1 Mill Trunnion oil seal replacement
104	Planned Derating	07/11/2013	02:30:00	07/11/2013	03:30:00	1	270	0340	BLR	A1 Mill Trunnion oil seal replacement
105	Partial Forced Immed	07/13/2013	14:15:00	07/15/2013	13:00:00	46.75	400	8550	POLL	High opacity due to precipitator fouling
106	Partial Forced Immed	07/15/2013	13:00:00	07/16/2013	06:00:00	17	380	8550	POLL	High opacity due to precipitator fouling
107	Partial Forced Immed	07/16/2013	06:00:00	07/17/2013	00:45:00	18.75	395	8550	POLL	High opacity due to precipitator fouling
108	Partial Maintenance	07/17/2013	00:45:00	07/17/2013	01:15:00	0.5	220	4268	TURB	Turbine valve testing
109	Partial Forced Immed	07/17/2013	01:15:00	07/18/2013	06:00:00	28.75	385	8550	POLL	High opacity due to precipitator fouling
110	Partial Forced Immed	07/18/2013	06:00:00	07/18/2013	13:00:00	7	400	8550	POLL	High opacity due to precipitator fouling
111	Partial Forced Immed	07/18/2013	13:00:00	07/19/2013	01:00:00	12	385	8550	POLL	High opacity due to precipitator fouling
112	Partial Maintenance	07/19/2013	01:00:00	07/19/2013	02:10:00	1.17	180	9656	RS&E	Stack RATA testing
113	Partial Forced Immed	07/19/2013	02:10:00	07/19/2013	05:00:00	2.83	385	8550	POLL	High opacity due to precipitator fouling
114	Full Forced Immed	07/19/2013	05:00:00	07/19/2013	06:53:00	1.88	0	3416	BLPT	BFP speed indication error
115	Partial Forced Immed	07/22/2013	15:10:00	07/22/2013	17:00:00	1.83	400	8550	POLL	High opacity due to precipitator fouling
116	Partial Forced Immed	07/22/2013	17:00:00	07/22/2013	19:00:00	2	355	8550	POLL	High opacity due to precipitator fouling
117	Partial Forced Immed	07/22/2013	19:00:00	07/23/2013	00:05:00	5.08	400	8550	POLL	High opacity due to precipitator fouling
118	Noncurtailing	07/23/2013	00:05:00	07/23/2013	01:51:00	1.77	300	8550	POLL	Precipitator power off rapping
119	Full Forced Immed	07/23/2013	01:51:00	07/23/2013	03:53:00	2.03	0	3416	BLPT	BFP speed indication error
120	Partial Forced Immed	07/23/2013	09:09:00	07/23/2013	12:41:00	3.53	270	0260	BLR	B Primary Air fan has high vibration
121	Full Forced Immed	07/23/2013	12:41:00	07/24/2013	12:11:00	23.5	0	1700	BLR	Operator initiated unit trip due to loss of BFP speed in
122	Partial Forced Immed	07/24/2013	19:35:00	07/24/2013	21:40:00	2.08	395	3112	COND	High main condenser backpressure
123	Partial Forced Immed	07/24/2013	21:40:00	07/25/2013	03:00:00	5.33	370	3112	COND	High main condenser backpressure
124	Partial Forced Immed	07/25/2013	03:00:00	07/26/2013	06:35:00	27.58	390	3112	COND	High main condenser backpressure
125	Planned Derating	07/28/2013	01:26:00	07/28/2013	11:10:00	9.73	175	1407	BLR	B Forced Draft fan oil leak repairs
126	Partial Forced Immed	07/29/2013	13:35:00	07/29/2013	15:15:00	1.67	400	8657	POLL	A6 flyash feeder gate causing high stack opacity
127	Partial Forced Immed	07/29/2013	15:15:00	07/29/2013	18:30:00	3.25	390	8657	POLL	A6 flyash feeder gate causing high stack opacity
128	Partial Forced Immed	07/29/2013	18:30:00	07/29/2013	23:45:00	5.25	400	8657	POLL	A6 flyash feeder gate causing high stack opacity

**Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)**

Unit: BIG BEND 1 MDC: 410 Run Date: 8/12/2013

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
129	Partial Forced Immed	07/29/2013	23:45:00	07/30/2013	08:00:00	8.25	390	8657	POLL A6 flyash feeder gate causing high stack opacity	
130	Partial Forced Immed	07/30/2013	08:00:00	07/31/2013	02:40:00	18.67	380	8657	POLL A6 flyash feeder gate causing high stack opacity	
131	Partial Maintenance	07/31/2013	02:40:00	07/31/2013	02:56:00	0.27	210	4268	TURB Turbine valve testing	
132	Partial Forced Immed	07/31/2013	02:56:00	07/31/2013	07:15:00	4.32	380	8657	POLL A6 flyash feeder gate causing high stack opacity	
133	Partial Forced Immed	07/31/2013	07:15:00	07/31/2013	13:40:00	6.42	370	8657	POLL A6 flyash feeder gate causing high stack opacity	

**Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)**

Unit: BIG BEND 2 MDC: 410 Run Date: 8/12/2013

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
102	Partial Forced Immed	06/29/2013	02:30:00	07/01/2013	11:44:00	11.73	350	8530	POLL	Tower level problems affecting efficiency
103	Partial Forced Immed	07/01/2013	11:44:00	07/02/2013	07:38:00	19.9	375	8530	POLL	Tower level problems affecting efficiency
104	Partial Forced Immed	07/02/2013	07:38:00	07/02/2013	09:00:00	1.37	390	8530	POLL	Tower level problems affecting efficiency
105	Partial Forced Immed	07/02/2013	09:00:00	07/02/2013	13:00:00	4	400	8530	POLL	Tower level problems affecting efficiency
106	Partial Forced Immed	07/02/2013	13:00:00	07/02/2013	23:25:00	10.42	390	8550	POLL	High opacity due to precipitator fouling
107	Planned Derating	07/02/2013	23:25:00	07/03/2013	10:18:00	10.88	215	1420	BLR	B Forced Draft fan inlet guide vane repairs
108	Partial Forced Immed	07/03/2013	10:18:00	07/03/2013	15:30:00	5.2	400	8550	POLL	High opacity due to precipitator fouling
109	Partial Forced Immed	07/03/2013	15:30:00	07/06/2013	00:17:00	56.78	390	8550	POLL	High opacity due to precipitator fouling
110	Planned Derating	07/06/2013	00:17:00	07/06/2013	05:30:00	5.22	270	0250	BLR	A1 Coal Feeder belt replacement
111	Partial Forced Immed	07/06/2013	05:30:00	07/06/2013	09:30:00	4	390	8550	POLL	High opacity due to precipitator fouling
112	Partial Forced Immed	07/06/2013	09:30:00	07/09/2013	22:56:00	85.43	380	8550	POLL	High opacity due to precipitator fouling
125	Planned Derating	07/09/2013	22:56:00	07/10/2013	00:20:00	1.4	270	0340	BLR	A1 Mill oil seal repair
126	Noncurtailing	07/10/2013	00:20:00	07/10/2013	01:35:00	1.25	270	8550	POLL	Precipitator power off rapping
127	Planned Derating	07/10/2013	01:35:00	07/10/2013	04:32:00	2.95	270	0340	BLR	A1 Mill oil seal repair
128	Partial Forced Immed	07/10/2013	04:32:00	07/10/2013	10:00:00	5.47	380	8550	POLL	High opacity due to precipitator fouling
129	Partial Forced Immed	07/10/2013	10:00:00	07/10/2013	16:05:00	6.08	390	8550	POLL	High opacity due to precipitator fouling
130	Partial Forced Immed	07/10/2013	16:05:00	07/11/2013	05:45:00	13.67	380	8550	POLL	High opacity due to precipitator fouling
131	Partial Forced Immed	07/11/2013	05:45:00	07/11/2013	22:43:00	16.97	385	8550	POLL	High opacity due to precipitator fouling
132	Planned Derating	07/11/2013	22:43:00	07/12/2013	02:30:00	3.78	280	0340	BLR	C1 Mill oil seal repair
133	Partial Forced Immed	07/12/2013	02:30:00	07/15/2013	06:00:00	75.5	385	8550	POLL	High opacity due to precipitator fouling
134	Partial Forced Immed	07/15/2013	06:00:00	07/16/2013	22:30:00	40.5	395	8550	POLL	High opacity due to precipitator fouling
135	Partial Maintenance	07/16/2013	22:30:00	07/16/2013	22:55:00	0.42	210	4268	TURB	Turbine valve testing
136	Noncurtailing	07/16/2013	22:55:00	07/17/2013	04:00:00	5.08	210	8550	POLL	Precipitator power off rapping
137	Partial Forced Immed	07/17/2013	04:00:00	07/18/2013	22:00:00	42	400	8550	POLL	High opacity due to precipitator fouling
138	Partial Maintenance	07/18/2013	22:00:00	07/19/2013	02:10:00	4.17	180	9656	RS&E	Stack RATA testing
139	Planned Derating	07/19/2013	02:10:00	07/19/2013	05:40:00	3.5	270	0340	BLR	C1 Mill oil seal replacement
140	Partial Forced Immed	07/19/2013	05:40:00	07/21/2013	23:25:00	65.75	385	8550	POLL	High opacity due to precipitator fouling
141	Planned Derating	07/21/2013	23:25:00	07/22/2013	02:30:00	3.08	270	0264	BLR	B Primary Air fan oil leak repair
142	Partial Forced Immed	07/22/2013	02:30:00	07/23/2013	16:00:00	37.5	385	8550	POLL	High opacity due to precipitator fouling
143	Partial Forced Immed	07/23/2013	16:00:00	07/23/2013	20:10:00	4.17	380	8550	POLL	High opacity due to precipitator fouling
144	Partial Forced Immed	07/23/2013	20:10:00	07/24/2013	05:00:00	8.83	395	8550	POLL	High opacity due to precipitator fouling

**Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)**

Unit: BIG BEND 2 MDC: 410 Run Date: 8/12/2013

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
145	Partial Forced Immed	07/24/2013	05:00:00	07/24/2013	07:00:00	2	385	8550	POLL	High opacity due to precipitator fouling
146	Partial Forced Immed	07/24/2013	07:00:00	07/24/2013	20:30:00	13.5	380	8550	POLL	High opacity due to precipitator fouling
147	Partial Forced Immed	07/24/2013	20:30:00	07/25/2013	00:30:00	4	395	8550	POLL	High opacity due to precipitator fouling
148	Partial Maintenance	07/25/2013	00:30:00	07/25/2013	00:47:00	0.28	210	4268	TURB	Turbine valve testing
149	Partial Forced Immed	07/25/2013	04:13:00	07/25/2013	09:15:00	5.03	400	8550	POLL	High opacity due to precipitator fouling
150	Partial Forced Immed	07/25/2013	09:15:00	07/27/2013	05:00:00	43.75	380	8550	POLL	High opacity due to precipitator fouling
151	Partial Forced Immed	07/27/2013	05:00:00	07/29/2013	07:00:00	50	375	8550	POLL	High opacity due to precipitator fouling
152	Partial Forced Immed	07/29/2013	07:00:00	07/29/2013	11:35:00	4.58	385	8550	POLL	High opacity due to precipitator fouling
153	Partial Forced Immed	07/29/2013	11:35:00	07/29/2013	12:00:00	0.42	380	8550	POLL	High opacity due to precipitator fouling
154	Partial Forced Immed	07/29/2013	12:00:00	07/29/2013	16:10:00	4.17	375	8550	POLL	High opacity due to precipitator fouling
155	Partial Forced Immed	07/29/2013	16:10:00	07/30/2013	12:45:00	20.58	370	8550	POLL	High opacity due to precipitator fouling
156	Partial Forced Immed	07/30/2013	12:45:00	07/30/2013	14:15:00	1.5	375	8550	POLL	High opacity due to precipitator fouling
157	Partial Forced Immed	07/30/2013	14:15:00	07/30/2013	17:35:00	3.33	380	8550	POLL	High opacity due to precipitator fouling
158	Partial Forced Immed	07/30/2013	17:35:00	07/31/2013	11:00:00	17.42	370	8550	POLL	High opacity due to precipitator fouling
159	Partial Forced Immed	07/31/2013	11:00:00	07/31/2013	18:40:00	7.67	365	8550	POLL	High opacity due to precipitator fouling
160	Partial Forced Immed	07/31/2013	18:40:00	08/01/2013	01:00:00	4.02	300	1455	BLR	A ID Fan tripped
160	Partial Forced Immed	07/31/2013	18:40:00	08/01/2013	01:00:00	1.32	300	1455	BLR	A ID Fan tripped
161	Partial Forced Immed	07/31/2013	19:59:00	08/01/2013	01:00:00	4.02	240	8550	POLL	High opacity due to precipitator fouling

**Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)**

Unit: BIG BEND 3 **MDC:** 390 **Run Date:** 8/12/2013

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
46	Partial Maintenance	07/06/2013	03:15:00	07/06/2013	03:45:00	0.5	320	4268	TURB	Turbine valve testing
47	Planned Derating	07/11/2013	22:00:00	07/12/2013	02:15:00	4.25	290	0300	BLR	C Pulverizer motor oil flush
48	Partial Forced Immed	07/12/2013	21:38:00	07/12/2013	23:00:00	1.37	240	3210	BLPT	A Circulating water pump shaft failure
49	Partial Forced Immed	07/12/2013	23:00:00	07/20/2013	00:45:00	169.75	225	3210	BLPT	A Circulating water pump shaft failure
50	Partial Forced Delayed	07/24/2013	07:43:00	07/24/2013	08:20:00	0.62	380	0127	BLR	C2 Crusher Dryer oil leak repair
51	Partial Maintenance	07/25/2013	12:00:00	07/25/2013	15:27:00	3.45	390	4842	GEN	Generator VAR load testing
52	Planned Derating	07/26/2013	06:21:00	07/26/2013	07:15:00	0.9	275	8601	POLL	S03 testing
53	Planned Derating	07/26/2013	07:15:00	07/26/2013	08:15:00	1	225	8601	POLL	S03 testing
54	Planned Derating	07/26/2013	08:15:00	07/26/2013	09:45:00	1.5	275	8601	POLL	S03 testing
55	Planned Derating	07/26/2013	09:45:00	07/26/2013	10:45:00	1	325	8601	POLL	S03 testing
56	Planned Derating	07/26/2013	10:45:00	07/26/2013	11:59:00	1.23	375	8601	POLL	S03 testing
57	Planned Derating	07/28/2013	23:05:00	07/29/2013	07:20:00	8.25	270	0335	BLR	A Pulverizer oil leak repairs

**Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)**

Unit: BIG BEND 4 **MDC:** 440 **Run Date:** 8/12/2013

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
52	Full Forced Postponed	07/12/2013	20:50:00	07/15/2013	02:22:00	53.53	0	1060	BLR	Reheat tube leak
53	Partial Maintenance	07/21/2013	00:40:00	07/21/2013	01:40:00	1	260	4268	TURB	Turbine valve testing
54	Planned Derating	07/24/2013	02:20:00	07/24/2013	06:15:00	3.92	200	8200	POLL	C Tower sample line leak repair
55	Planned Derating	07/27/2013	01:05:00	07/27/2013	05:30:00	4.42	250	8199	POLL	C Tower leak repair
56	Partial Maintenance	07/28/2013	02:44:00	07/28/2013	03:24:00	0.67	220	4268	TURB	Turbine valve testing

**Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)**

Unit: POLK 1 MDC: 290 Run Date: 8/12/2013

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
34	Full Forced Immed	07/07/2013	11:30:00	07/07/2013	14:45:00	3.25	0	5049	GAST	GOX Compressor Tripped, high 2nd Stage Temperatu
35	Reserve Shutdown	07/07/2013	14:45:00	07/08/2013	14:20:00	23.58	0	0000	UNKN	RESERVE SHUTDOWN
36	Startup Failure	07/08/2013	14:20:00	07/08/2013	14:24:00	0.07	0	5250	GAST	Start up failure GE controls
37	Noncurtailing	07/08/2013	10:46:00	07/10/2013	09:19:00	46.55	0	5049	GAST	GTG Transfer to syngas, Gasifier trip due GEHO Diap
38	Partial Forced Immed	07/10/2013	09:19:00	07/10/2013	10:01:00	0.7	150	4430	TURB	Loss of Vacuum on Condenser
39	Noncurtailing	07/10/2013	10:01:00	07/10/2013	16:27:00	6.43	0	5049	GAST	Hot Restart for GEHO Diaphragm replacement
40	Partial Forced Immed	07/13/2013	12:50:00	07/13/2013	14:02:00	1.2	179	5049	GAST	Air Separation Unit issue
41	Noncurtailing	07/18/2013	03:58:00	07/18/2013	11:23:00	7.42	0	5049	GAST	Syngas leak on GTG Filter Bypass
42	Noncurtailing	07/26/2013	08:49:00	07/26/2013	20:49:00	12	0	5049	GAST	GOX Compressor Discharge Valve shut trip Gasifier,
44	Full Forced Immed	07/26/2013	20:49:00	07/27/2013	18:40:00	21.85	0	5049	GAST	GOX Compressor Discharge Valve shut trip Gasifier

**Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)**

Unit: BAYSIDE ST1 **MDC:** 236 **Run Date:** 8/12/2013

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
(07/01/2013 - 07/31/2013)**

Unit: BAYSIDE CT1A **MDC:** 158 **Run Date:** 8/12/2013

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
93	Reserve Shutdown	07/05/2013	20:03:00	07/06/2013	13:24:00	17.35	0	0000	UNKN RESERVE SHUTDOWN	
94	Reserve Shutdown	07/06/2013	19:53:00	07/07/2013	12:36:00	16.72	0	0000	UNKN RESERVE SHUTDOWN	
95	Maintenance Outage	07/07/2013	21:52:00	07/08/2013	06:00:00	8.13	0	5049	GAST	Repairs to Fuel Gas Skid Performance heater head.
96	Reserve Shutdown	07/08/2013	06:01:00	07/08/2013	10:06:00	4.08	0	0000	UNKN RESERVE SHUTDOWN	
97	Noncurtailing	07/08/2013	22:59:00	07/09/2013	06:12:00	7.22	158	5190	GAST	#1 Condenser maintenance. Unable to use cause coc
98	Reserve Shutdown	07/09/2013	06:13:00	07/09/2013	11:17:00	5.07	0	0000	UNKN RESERVE SHUTDOWN	
99	Reserve Shutdown	07/09/2013	22:15:00	07/10/2013	09:59:00	11.73	0	0000	UNKN RESERVE SHUTDOWN	
100	Reserve Shutdown	07/10/2013	19:52:00	07/11/2013	07:51:00	11.98	0	0000	UNKN RESERVE SHUTDOWN	
101	Reserve Shutdown	07/12/2013	01:03:00	07/13/2013	09:49:00	32.77	0	0000	UNKN RESERVE SHUTDOWN	
102	Reserve Shutdown	07/14/2013	01:57:00	07/14/2013	11:29:00	9.53	0	0000	UNKN RESERVE SHUTDOWN	
103	Reserve Shutdown	07/15/2013	23:59:00	07/16/2013	11:03:00	11.07	0	0000	UNKN RESERVE SHUTDOWN	
104	Reserve Shutdown	07/16/2013	15:27:00	07/17/2013	09:11:00	17.73	0	0000	UNKN RESERVE SHUTDOWN	
105	Reserve Shutdown	07/17/2013	17:14:00	07/18/2013	06:43:00	13.48	0	0000	UNKN RESERVE SHUTDOWN	
106	Full Forced Immed	07/18/2013	06:44:00	07/18/2013	07:25:00	0.68	0	5111	GAST	Lube oil pump pressure transmitter low oil pressure tri
107	Reserve Shutdown	07/18/2013	19:05:00	07/19/2013	10:10:00	15.08	0	0000	UNKN RESERVE SHUTDOWN	
108	Reserve Shutdown	07/19/2013	17:34:00	07/20/2013	12:15:00	18.68	0	0000	UNKN RESERVE SHUTDOWN	
109	Reserve Shutdown	07/20/2013	18:41:00	07/21/2013	10:37:00	15.93	0	0000	UNKN RESERVE SHUTDOWN	
110	Reserve Shutdown	07/21/2013	21:09:00	07/22/2013	08:07:00	10.97	0	0000	UNKN RESERVE SHUTDOWN	
111	Reserve Shutdown	07/22/2013	19:46:00	07/23/2013	03:43:00	7.95	0	0000	UNKN RESERVE SHUTDOWN	
112	Reserve Shutdown	07/23/2013	22:58:00	07/24/2013	08:07:00	9.15	0	0000	UNKN RESERVE SHUTDOWN	
113	Reserve Shutdown	07/24/2013	21:41:00	07/25/2013	11:12:00	13.52	0	0000	UNKN RESERVE SHUTDOWN	
114	Reserve Shutdown	07/25/2013	21:33:00	07/26/2013	07:27:00	9.9	0	0000	UNKN RESERVE SHUTDOWN	
115	Reserve Shutdown	07/26/2013	19:46:00	07/27/2013	08:01:00	12.25	0	0000	UNKN RESERVE SHUTDOWN	
116	Reserve Shutdown	07/27/2013	23:04:00	07/28/2013	11:26:00	12.37	0	0000	UNKN RESERVE SHUTDOWN	
117	Reserve Shutdown	07/28/2013	21:11:00	07/29/2013	12:44:00	15.55	0	0000	UNKN RESERVE SHUTDOWN	
118	Reserve Shutdown	07/29/2013	23:22:00	07/30/2013	09:59:00	10.62	0	0000	UNKN RESERVE SHUTDOWN	
119	Reserve Shutdown	07/30/2013	23:50:00	07/31/2013	11:26:00	11.6	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)**

Unit: BAYSIDE CT1B MDC: 158 Run Date: 8/12/2013

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
98	Reserve Shutdown	07/01/2013	00:00:00	07/01/2013	09:50:00	9.83	0	0000	UNKN	RESERVE SHUTDOWN
99	Reserve Shutdown	07/01/2013	22:53:00	07/02/2013	09:45:00	10.87	0	0000	UNKN	RESERVE SHUTDOWN
100	Reserve Shutdown	07/02/2013	23:09:00	07/03/2013	09:26:00	10.28	0	0000	UNKN	RESERVE SHUTDOWN
101	Reserve Shutdown	07/03/2013	23:31:00	07/04/2013	12:50:00	13.32	0	0000	UNKN	RESERVE SHUTDOWN
102	Reserve Shutdown	07/04/2013	19:56:00	07/06/2013	10:09:00	38.22	0	0000	UNKN	RESERVE SHUTDOWN
103	Noncurtailing	07/07/2013	22:57:00	07/08/2013	06:00:00	7.05	158	5190	GAST	#1 Condenser maintenance. Unable to use cause coc
104	Reserve Shutdown	07/08/2013	06:01:00	07/08/2013	08:08:00	2.12	0	0000	UNKN	RESERVE SHUTDOWN
105	Noncurtailing	07/08/2013	21:57:00	07/09/2013	06:12:00	8.25	158	5190	GAST	#1 Condenser maintenance. Unable to use cause coc
106	Reserve Shutdown	07/09/2013	06:13:00	07/09/2013	09:10:00	2.95	0	0000	UNKN	RESERVE SHUTDOWN
107	Full Forced Immed	07/09/2013	09:18:00	07/09/2013	09:22:00	0.07	0	5190	GAST	HP Drum Hi Hi level runback w/grid separation. Unabi
108	Reserve Shutdown	07/09/2013	21:04:00	07/10/2013	07:09:00	10.08	0	0000	UNKN	RESERVE SHUTDOWN
109	Reserve Shutdown	07/14/2013	21:54:00	07/15/2013	10:21:00	12.45	0	0000	UNKN	RESERVE SHUTDOWN
110	Reserve Shutdown	07/23/2013	15:33:00	07/23/2013	20:57:00	5.4	0	0000	UNKN	RESERVE SHUTDOWN
111	Maintenance Outage	07/23/2013	20:58:00	07/24/2013	11:24:00	14.43	0	3899	BLPT	R/R mechanical seal on FWP & rebuild FWS-V202 fee
112	Reserve Shutdown	07/24/2013	11:25:00	07/24/2013	12:00:00	0.58	0	0000	UNKN	RESERVE SHUTDOWN
113	Reserve Shutdown	07/25/2013	23:09:00	07/26/2013	14:37:00	15.47	0	0000	UNKN	RESERVE SHUTDOWN
114	Reserve Shutdown	07/27/2013	01:55:00	07/27/2013	09:29:00	7.57	0	0000	UNKN	RESERVE SHUTDOWN
115	Reserve Shutdown	07/28/2013	17:04:00	07/29/2013	10:53:00	17.82	0	0000	UNKN	RESERVE SHUTDOWN
116	Reserve Shutdown	07/29/2013	20:04:00	07/30/2013	06:52:00	10.8	0	0000	UNKN	RESERVE SHUTDOWN
117	Reserve Shutdown	07/30/2013	22:04:00	07/31/2013	09:40:00	11.6	0	0000	UNKN	RESERVE SHUTDOWN
118	Reserve Shutdown	07/31/2013	22:34:00	07/31/2013	23:59:00	1.42	0	0000	UNKN	RESERVE SHUTDOWN

Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)

Unit: **BAYSIDE CT1C** MDC: **158** Run Date: **8/12/2013**

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
96	Reserve Shutdown	07/01/2013	00:00:00	07/02/2013	12:24:00	36.4	0	0000	UNKN	RESERVE SHUTDOWN
97	Reserve Shutdown	07/02/2013	18:19:00	07/03/2013	11:36:00	17.28	0	0000	UNKN	RESERVE SHUTDOWN
98	Reserve Shutdown	07/03/2013	17:10:00	07/04/2013	11:14:00	18.07	0	0000	UNKN	RESERVE SHUTDOWN
99	Reserve Shutdown	07/04/2013	17:08:00	07/05/2013	09:42:00	16.57	0	0000	UNKN	RESERVE SHUTDOWN
100	Reserve Shutdown	07/07/2013	01:50:00	07/07/2013	11:16:00	9.43	0	0000	UNKN	RESERVE SHUTDOWN
101	Reserve Shutdown	07/10/2013	21:11:00	07/11/2013	10:18:00	13.12	0	0000	UNKN	RESERVE SHUTDOWN
102	Reserve Shutdown	07/11/2013	22:58:00	07/12/2013	09:54:00	10.93	0	0000	UNKN	RESERVE SHUTDOWN
103	Reserve Shutdown	07/13/2013	00:06:00	07/13/2013	07:29:00	7.38	0	0000	UNKN	RESERVE SHUTDOWN
104	Reserve Shutdown	07/13/2013	21:50:00	07/14/2013	09:02:00	11.2	0	0000	UNKN	RESERVE SHUTDOWN
105	Reserve Shutdown	07/15/2013	00:21:00	07/15/2013	12:14:00	11.88	0	0000	UNKN	RESERVE SHUTDOWN
106	Reserve Shutdown	07/15/2013	21:42:00	07/16/2013	08:41:00	10.98	0	0000	UNKN	RESERVE SHUTDOWN
107	Reserve Shutdown	07/16/2013	16:12:00	07/17/2013	12:32:00	20.33	0	0000	UNKN	RESERVE SHUTDOWN
108	Reserve Shutdown	07/17/2013	22:11:00	07/18/2013	10:06:00	11.92	0	0000	UNKN	RESERVE SHUTDOWN
109	Reserve Shutdown	07/18/2013	23:37:00	07/19/2013	12:26:00	12.82	0	0000	UNKN	RESERVE SHUTDOWN
110	Reserve Shutdown	07/19/2013	23:18:00	07/21/2013	11:58:00	36.67	0	0000	UNKN	RESERVE SHUTDOWN
111	Reserve Shutdown	07/21/2013	23:42:00	07/22/2013	10:07:00	10.42	0	0000	UNKN	RESERVE SHUTDOWN
112	Reserve Shutdown	07/22/2013	23:41:00	07/23/2013	10:44:00	11.05	0	0000	UNKN	RESERVE SHUTDOWN
113	Reserve Shutdown	07/24/2013	19:14:00	07/25/2013	06:17:00	11.05	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)**

Unit: **BAYSIDE ST2** MDC: **308** Run Date: **8/12/2013**

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
(07/01/2013 - 07/31/2013)**

Unit: BAYSIDE CT2A MDC: 158 Run Date: 8/12/2013

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
106	Noncurtailing	07/01/2013	18:54:00	07/02/2013	06:51:00	11.95	158	5190	GAST	Steam Plant #2 South Condenser maintenance. Unat
107	Reserve Shutdown	07/02/2013	06:52:00	07/02/2013	20:49:00	13.95	0	0000	UNKN	RESERVE SHUTDOWN
108	Noncurtailing	07/02/2013	20:50:00	07/03/2013	06:49:00	9.98	158	5190	GAST	#2 S/T South condenser cleaning. Cause code 3113 f
109	Reserve Shutdown	07/03/2013	06:50:00	07/06/2013	10:51:00	76.02	0	0000	UNKN	RESERVE SHUTDOWN
110	Reserve Shutdown	07/06/2013	22:55:00	07/07/2013	11:49:00	12.9	0	0000	UNKN	RESERVE SHUTDOWN
111	Maintenance Outage	07/07/2013	21:08:00	07/08/2013	05:28:00	8.33	0	5073	GAST	Repairs to 'A' and 'D' flame scanners
112	Reserve Shutdown	07/08/2013	05:29:00	07/08/2013	05:55:00	0.43	0	0000	UNKN	RESERVE SHUTDOWN
113	Reserve Shutdown	07/09/2013	02:07:00	07/09/2013	12:12:00	10.08	0	0000	UNKN	RESERVE SHUTDOWN
114	Reserve Shutdown	07/10/2013	01:29:00	07/10/2013	12:03:00	10.57	0	0000	UNKN	RESERVE SHUTDOWN
115	Reserve Shutdown	07/11/2013	00:02:00	07/11/2013	14:51:00	14.82	0	0000	UNKN	RESERVE SHUTDOWN
116	Reserve Shutdown	07/11/2013	19:56:00	07/13/2013	10:26:00	38.5	0	0000	UNKN	RESERVE SHUTDOWN
117	Reserve Shutdown	07/16/2013	01:35:00	07/16/2013	12:00:00	10.42	0	0000	UNKN	RESERVE SHUTDOWN
118	Reserve Shutdown	07/17/2013	01:27:00	07/18/2013	12:55:00	35.47	0	0000	UNKN	RESERVE SHUTDOWN
119	Reserve Shutdown	07/18/2013	22:53:00	07/19/2013	11:06:00	12.22	0	0000	UNKN	RESERVE SHUTDOWN
120	Reserve Shutdown	07/19/2013	19:03:00	07/20/2013	14:18:00	19.25	0	0000	UNKN	RESERVE SHUTDOWN
121	Reserve Shutdown	07/20/2013	20:22:00	07/21/2013	11:30:00	15.13	0	0000	UNKN	RESERVE SHUTDOWN
122	Full Forced Immed	07/21/2013	11:31:00	07/21/2013	12:13:00	0.7	0	6299	COMB	LCI static starter tripped during start up, tube fitting brk
123	Reserve Shutdown	07/21/2013	12:14:00	07/21/2013	12:36:00	0.37	0	0000	UNKN	RESERVE SHUTDOWN
124	Reserve Shutdown	07/21/2013	21:53:00	07/22/2013	08:59:00	11.1	0	0000	UNKN	RESERVE SHUTDOWN
125	Reserve Shutdown	07/22/2013	22:31:00	07/23/2013	09:43:00	11.2	0	0000	UNKN	RESERVE SHUTDOWN
126	Reserve Shutdown	07/23/2013	20:09:00	07/24/2013	05:35:00	9.43	0	0000	UNKN	RESERVE SHUTDOWN
128	Reserve Shutdown	07/24/2013	22:47:00	07/25/2013	09:45:00	10.97	0	0000	UNKN	RESERVE SHUTDOWN
129	Reserve Shutdown	07/25/2013	19:19:00	07/26/2013	08:26:00	13.12	0	0000	UNKN	RESERVE SHUTDOWN
130	Reserve Shutdown	07/26/2013	22:15:00	07/27/2013	08:38:00	10.38	0	0000	UNKN	RESERVE SHUTDOWN
131	Reserve Shutdown	07/27/2013	22:02:00	07/28/2013	10:29:00	12.45	0	0000	UNKN	RESERVE SHUTDOWN
132	Reserve Shutdown	07/28/2013	18:35:00	07/29/2013	08:14:00	13.65	0	0000	UNKN	RESERVE SHUTDOWN
133	Reserve Shutdown	07/29/2013	22:21:00	07/30/2013	09:10:00	10.82	0	0000	UNKN	RESERVE SHUTDOWN
134	Reserve Shutdown	07/30/2013	22:53:00	07/31/2013	07:44:00	8.85	0	0000	UNKN	RESERVE SHUTDOWN
135	Reserve Shutdown	07/31/2013	21:28:00	07/31/2013	23:59:00	2.52	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)**

Unit: BAYSIDE CT2B MDC: 158 Run Date: 8/12/2013

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
71	Noncurtailing	07/01/2013	00:00:00	07/01/2013	06:51:00	6.85	158	5190	GAST	#2 Condenser Maintenance. Unable to use cause coc
72	Reserve Shutdown	07/01/2013	06:52:00	07/01/2013	07:57:00	1.08	0	0000	UNKN	RESERVE SHUTDOWN
73	Reserve Shutdown	07/03/2013	18:44:00	07/04/2013	11:59:00	17.25	0	0000	UNKN	RESERVE SHUTDOWN
74	Reserve Shutdown	07/04/2013	18:31:00	07/05/2013	10:58:00	16.45	0	0000	UNKN	RESERVE SHUTDOWN
75	Reserve Shutdown	07/06/2013	22:02:00	07/07/2013	09:44:00	11.7	0	0000	UNKN	RESERVE SHUTDOWN
76	Reserve Shutdown	07/08/2013	01:02:00	07/08/2013	10:52:00	9.83	0	0000	UNKN	RESERVE SHUTDOWN
77	Reserve Shutdown	07/08/2013	23:50:00	07/09/2013	10:02:00	10.2	0	0000	UNKN	RESERVE SHUTDOWN
78	Reserve Shutdown	07/09/2013	23:57:00	07/10/2013	10:43:00	10.77	0	0000	UNKN	RESERVE SHUTDOWN
79	Reserve Shutdown	07/10/2013	22:48:00	07/11/2013	11:02:00	12.23	0	0000	UNKN	RESERVE SHUTDOWN
80	Reserve Shutdown	07/11/2013	23:51:00	07/12/2013	15:35:00	15.73	0	0000	UNKN	RESERVE SHUTDOWN
81	Reserve Shutdown	07/13/2013	18:44:00	07/14/2013	08:20:00	13.6	0	0000	UNKN	RESERVE SHUTDOWN
82	Reserve Shutdown	07/14/2013	23:24:00	07/15/2013	11:13:00	11.82	0	0000	UNKN	RESERVE SHUTDOWN
83	Reserve Shutdown	07/15/2013	22:49:00	07/16/2013	10:25:00	11.6	0	0000	UNKN	RESERVE SHUTDOWN
84	Reserve Shutdown	07/16/2013	18:14:00	07/17/2013	10:05:00	15.85	0	0000	UNKN	RESERVE SHUTDOWN
85	Reserve Shutdown	07/17/2013	23:27:00	07/18/2013	11:23:00	11.93	0	0000	UNKN	RESERVE SHUTDOWN
86	Reserve Shutdown	07/19/2013	02:29:00	07/22/2013	12:20:00	81.85	0	0000	UNKN	RESERVE SHUTDOWN
87	Reserve Shutdown	07/23/2013	00:36:00	07/23/2013	12:09:00	11.55	0	0000	UNKN	RESERVE SHUTDOWN
88	Reserve Shutdown	07/24/2013	01:53:00	07/24/2013	11:06:00	9.22	0	0000	UNKN	RESERVE SHUTDOWN
89	Reserve Shutdown	07/25/2013	00:13:00	07/25/2013	15:22:00	15.15	0	0000	UNKN	RESERVE SHUTDOWN
90	Reserve Shutdown	07/25/2013	22:19:00	07/26/2013	09:55:00	11.6	0	0000	UNKN	RESERVE SHUTDOWN
91	Reserve Shutdown	07/27/2013	00:21:00	07/27/2013	09:51:00	9.5	0	0000	UNKN	RESERVE SHUTDOWN
92	Reserve Shutdown	07/27/2013	21:10:00	07/28/2013	09:24:00	12.23	0	0000	UNKN	RESERVE SHUTDOWN
93	Reserve Shutdown	07/28/2013	23:36:00	07/29/2013	09:55:00	10.32	0	0000	UNKN	RESERVE SHUTDOWN
94	Reserve Shutdown	07/29/2013	21:35:00	07/30/2013	12:18:00	14.72	0	0000	UNKN	RESERVE SHUTDOWN
95	Maintenance Outage	07/30/2013	12:19:00	07/31/2013	23:59:00	35.67	0	4550	GEN	#3 bearing inspection/repair

**Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)**

Unit: BAYSIDE CT2C MDC: 158 Run Date: 8/12/2013

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
10	Reserve Shutdown	07/01/2013	00:00:00	07/01/2013	21:21:00	21.35	0	0000	UNKN	RESERVE SHUTDOWN
11	Noncurtailing	07/01/2013	21:22:00	07/02/2013	06:51:00	9.48	158	5190	GAST	#2 Condenser Maintenance. Unable to use cause coc
12	Reserve Shutdown	07/02/2013	06:52:00	07/02/2013	20:49:00	13.95	0	0000	UNKN	RESERVE SHUTDOWN
13	Noncurtailing	07/02/2013	20:50:00	07/03/2013	06:49:00	9.98	158	5190	GAST	#2 Condenser maintenance. Unable to use cause coc
14	Reserve Shutdown	07/03/2013	06:50:00	07/03/2013	12:12:00	5.37	0	0000	UNKN	RESERVE SHUTDOWN
15	Maintenance Outage	07/05/2013	16:14:00	07/06/2013	02:13:00	9.98	0	5073	GAST	Replacement of 2C 'D' flame scanner
16	Reserve Shutdown	07/06/2013	02:14:00	07/06/2013	09:20:00	7.1	0	0000	UNKN	RESERVE SHUTDOWN

Tampa Electric Company
Outage Listing
(07/01/2013 - 07/31/2013)

Unit: **BAYSIDE CT2D** MDC: **158** Run Date: **8/12/2013**

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
113	Reserve Shutdown	07/01/2013	00:00:00	07/02/2013	10:53:00	34.88	0	0000	UNKN	RESERVE SHUTDOWN
114	Reserve Shutdown	07/02/2013	19:48:00	07/03/2013	07:39:00	11.85	0	0000	UNKN	RESERVE SHUTDOWN
115	Reserve Shutdown	07/03/2013	15:56:00	07/04/2013	09:32:00	17.6	0	0000	UNKN	RESERVE SHUTDOWN
116	Reserve Shutdown	07/04/2013	16:57:00	07/05/2013	08:56:00	15.98	0	0000	UNKN	RESERVE SHUTDOWN
117	Reserve Shutdown	07/05/2013	22:46:00	07/06/2013	12:32:00	13.77	0	0000	UNKN	RESERVE SHUTDOWN
118	Reserve Shutdown	07/06/2013	19:21:00	07/07/2013	08:28:00	13.12	0	0000	UNKN	RESERVE SHUTDOWN
119	Reserve Shutdown	07/07/2013	23:45:00	07/08/2013	09:24:00	9.65	0	0000	UNKN	RESERVE SHUTDOWN
120	Reserve Shutdown	07/08/2013	20:54:00	07/09/2013	08:22:00	11.47	0	0000	UNKN	RESERVE SHUTDOWN
121	Reserve Shutdown	07/09/2013	23:17:00	07/10/2013	09:32:00	10.25	0	0000	UNKN	RESERVE SHUTDOWN
122	Reserve Shutdown	07/10/2013	21:50:00	07/11/2013	09:42:00	11.87	0	0000	UNKN	RESERVE SHUTDOWN
123	Reserve Shutdown	07/11/2013	18:32:00	07/12/2013	06:59:00	12.45	0	0000	UNKN	RESERVE SHUTDOWN
124	Reserve Shutdown	07/13/2013	01:05:00	07/13/2013	09:06:00	8.02	0	0000	UNKN	RESERVE SHUTDOWN
125	Reserve Shutdown	07/13/2013	23:46:00	07/14/2013	10:43:00	10.95	0	0000	UNKN	RESERVE SHUTDOWN
126	Reserve Shutdown	07/14/2013	17:34:00	07/15/2013	07:11:00	13.62	0	0000	UNKN	RESERVE SHUTDOWN
127	Reserve Shutdown	07/15/2013	19:00:00	07/16/2013	06:03:00	11.05	0	0000	UNKN	RESERVE SHUTDOWN
128	Reserve Shutdown	07/16/2013	23:00:00	07/17/2013	11:04:00	12.07	0	0000	UNKN	RESERVE SHUTDOWN
129	Reserve Shutdown	07/17/2013	16:25:00	07/18/2013	09:21:00	16.93	0	0000	UNKN	RESERVE SHUTDOWN
130	Reserve Shutdown	07/18/2013	17:47:00	07/19/2013	05:28:00	11.68	0	0000	UNKN	RESERVE SHUTDOWN
131	Reserve Shutdown	07/19/2013	16:21:00	07/20/2013	10:37:00	18.27	0	0000	UNKN	RESERVE SHUTDOWN
132	Reserve Shutdown	07/20/2013	17:57:00	07/21/2013	09:54:00	15.95	0	0000	UNKN	RESERVE SHUTDOWN
133	Reserve Shutdown	07/22/2013	00:39:00	07/22/2013	10:56:00	10.28	0	0000	UNKN	RESERVE SHUTDOWN
134	Reserve Shutdown	07/22/2013	21:43:00	07/23/2013	07:11:00	9.47	0	0000	UNKN	RESERVE SHUTDOWN
135	Reserve Shutdown	07/25/2013	01:18:00	07/25/2013	12:51:00	11.55	0	0000	UNKN	RESERVE SHUTDOWN
136	Reserve Shutdown	07/26/2013	00:27:00	07/26/2013	11:49:00	11.37	0	0000	UNKN	RESERVE SHUTDOWN
137	Reserve Shutdown	07/28/2013	00:24:00	07/29/2013	11:42:00	35.3	0	0000	UNKN	RESERVE SHUTDOWN
138	Reserve Shutdown	07/30/2013	00:19:00	07/30/2013	12:19:00	12	0	0000	UNKN	RESERVE SHUTDOWN
140	Reserve Shutdown	07/31/2013	00:46:00	07/31/2013	10:27:00	9.68	0	0000	UNKN	RESERVE SHUTDOWN
141	Reserve Shutdown	07/31/2013	23:09:00	07/31/2013	23:59:00	0.83	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