

# AUSLEY & McMULLEN

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June 25, 2013

HAND DELIVERED

RECEIVED FPSC  
13 JUN 25 PM 2: 15  
COMMISSION  
CLERK

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 May 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	_____
AFD	7 _____
APA	_____
ECO	_____
ENG	_____
GCL	_____
IDM	_____
TEL	_____
CLK	_____

**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 25<sup>th</sup> day of June 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	AUG13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	16.4	14.3	78.8	87.3	88.0								57.6
2. PH	744	672	743	720	744								3623
3. SH	122.4	159.0	663.7	651.8	659.0								2255.9
4. RSH	0.0	0.0	0.0	0.0	0.0								0.0
5. UH	621.6	513.0	79.3	68.2	85.0								1367.1
6. POH	257.0	513.0	0.0	0.0	0.0								770.0
7. FOH	364.6	0.0	79.3	68.2	85.0								597.1
8. MOH	0.0	0.0	0.0	0.0	0.0								0.0
9. PFOH	30.5	148.0	300.2	76.9	40.2								595.9
10. LR PF (MW)	7.9	168.1	98.9	115.9	18.1								108.2
11. PMOH	0.0	0.0	21.8	0.0	7.5								29.3
12. LR PM (MW)	0.0	0.0	52.9	0.0	137.7								74.7
13. NSC (MW)	395	395	395	385	385								391
14. OPR 8TU(G8TU)	487.0975	374.0533	2297.3731	2468.4777	2545.9370								8172.9385
15. NET GEN (MWH)	45745	32994	218329	237862	240612								775542
16. ANOHR (8TU/KWH)	10648	11337	10523	10378	10581								10538
17. NOF (%)	94.6	52.5	83.3	94.8	94.8								88.3
18. NPC (MW)	395	395	395	385	385								391
19. ANOHREQUATION	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	96.7	76.3	98.6								72.0
2. PH	744	672	743	720	744								3623
3. SH	278.2	433.3	743.0	577.4	744.0								2775.9
4. RSH	0.0	0.0	0.0	0.0	0.0								0.0
5. UH	465.8	238.7	0.0	142.6	0.0								847.1
6. POH	217.4	213.8	0.0	0.0	0.0								431.2
7. FOH	248.4	24.8	0.0	0.0	0.0								273.2
8. MOH	0.0	0.0	0.0	142.6	0.0								142.6
9. PFOH	93.6	296.7	97.4	116.7	47.1								651.5
10. LR PF (MW)	26.4	127.3	74.4	93.0	53.4								93.4
11. PMOH	15.0	0.0	15.0	0.0	12.3								42.3
12. LR PM (MW)	4.7	0.0	157.5	0.0	131.5								95.7
13. NSC (MW)	395	395	395	385	385								391
14. OPR BTU(GBTU)	1011.8110	1335.0391	2762.7110	2053.6345	2862.9044								10026.1000
15. NET GEN (MWH)	101821	119862	271581	202976	278394								974634
16. ANOHR (BTU/KWH)	9937	11138	10173	10118	10284								10287
17. NOF (%)	92.6	70.0	92.5	91.3	97.2								90.0
18. NPC (MW)	395	395	395	385	385								391
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								39.1
2. PH	744	672	743	720	744								3623
3. SH	744.0	672.0	21.1	0.0	254.6								1691.7
4. RSH	0.0	0.0	0.0	0.0	0.0								0.0
5. UH	0.0	0.0	721.9	720.0	489.4								1931.3
6. POH	0.0	0.0	721.9	720.0	435.9								1877.8
7. FOH	0.0	0.0	0.0	0.0	27.5								27.5
8. MOH	0.0	0.0	0.0	0.0	26.0								26.0
9. PFOH	342.7	23.0	0.0	0.0	52.7								418.4
10. LR PF (MW)	58.5	113.4	0.0	0.0	56.5								61.2
11. PMOH	401.3	649.0	21.1	0.0	4.3								1075.7
12. LR PM (MW)	58.7	75.5	88.9	0.0	205.9								70.0
13. NSC (MW)	365	365	365	365	365								365
14. OPR BTU(GBTU)	2382.3427	2039.6597	50.4865	0.0000	877.5093								5349.9981
15. NET GEN (MWH)	220461	188638	4505	0	86122								499726
16. ANOHR BTU/KWH	10806	10813	11207	0	10189								10706
17. NOF (%)	81.2	76.9	58.5	0.0	92.7								80.9
18. NPC (MW)	365	365	365	365	365								365
19. ANOHR EQUATION	ANOHR = NOF(-21.678) + 12,439												

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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 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								71.8
2. PH	744	672	743	720	744								3623
3. SH	744.0	261.8	722.1	720.0	671.8								3119.7
4. RSH	0.0	0.0	0.0	0.0	0.0								0.0
5. UH	0.0	410.3	20.9	0.0	72.2								503.3
6. POH	0.0	410.3	11.9	0.0	0.0								422.1
7. FOH	0.0	0.0	9.0	0.0	72.2								81.1
8. MOH	0.0	0.0	0.0	0.0	0.0								0.0
9. PFOH	738.5	261.8	269.5	30.7	594.0								1894.5
10. LR PF (MW)	180.4	177.3	43.9	4.6	25.3								109.1
11. PMOH	5.5	0.0	14.5	7.7	13.8								41.4
12. LR PM (MW)	222.4	0.0	213.1	176.3	83.3								164.4
13. NSC (MW)	417	417	417	407	407								413
14. OPR BTU(GBTU)	1903.3464	658.7300	2742.4696	2996.4592	2680.6620								10981.6673
15. NET GEN (MWH)	172056	60827	269732	288798	253441								1044854
16. ANOHR BTU/KWH	11062	10830	10167	10376	10577								10510
17. NOF(%)	55.5	55.7	89.6	98.6	92.7								81.2
18. NPC(MW)	417	417	417	407	407								413
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	OCT13	NOV 13	DEC 13	2013
1. EAF (%)	93.9	85.7	98.7	43.3	0.0								64.0
2. PH	744	672	743	720	744								3623
3. SH	698.6	443.5	717.9	184.9	0.0								2045.0
4. RSH	0.0	132.3	15.3	127.1	0.0								274.6
5. UH	45.4	96.1	9.8	408.0	744.0								1303.4
6. POH	0.0	0.0	0.0	408.0	744.0								1152.0
7. FOH	45.4	20.0	9.8	0.0	0.0								75.3
8. MOH	0.0	76.1	0.0	0.0	0.0								76.1
9. PFOH	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
11. PMOH	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
13. NSC (MW)	220	220	220	220	220								220
14. OPR BTU(GBTU)	1627.7924	1003.9540	1587.8821	410.1834	0.0000								4629.8119
15. NET GEN (MWH)	152120	92880	153212	34073	-4609								427677
16. ANOHR BTU/KWH	10701	10809	10364	12038	0								10825
17. NOF (%)	99.0	95.2	97.0	83.7	0.0								95.1
18. NPC (MW)	220	220	220	220	220								220
19. ANOHR EQUATION	ANOHR = NOF(-130.472) + 22,869												

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ORIGINAL SHEET NO. 8.401.13A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2013 - DECEMBER 2013

PLANT/UNIT	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BAYSIDE UNIT 1	JAN 13	FEB 13	MAR 13	APR 13	MAY 13	JUN 13	JUL 13	AUG 13	SEP 13	OCT 13	NOV 13	DEC 13	2013
1. EAF (%)	99.9	100.0	72.7	100.0	99.6								94.3
2. PH	744	672	743	720	744								3623
3. SH	564.4	672.0	571.5	720.0	744.0								3271.9
4. RSH	179.6	0.0	0.0	0.0	0.0								179.6
5. UH	0.0	0.0	195.7	0.0	0.0								195.7
6. POH	0.0	0.0	195.7	0.0	0.0								195.7
7. FOH	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
9. PFOH	0.9	0.0	0.0	0.3	1.5								2.8
10. LR PF (MW)	792.0	0.0	0.0	701.0	701.0								732.2
11. PMOH	0.0	0.0	6.8	0.0	1.5								8.3
12. LR PM (MW)	0.0	0.0	792.0	0.0	701.0								775.9
13. NSC (MW)	792	792	792	701	701								751
14. OPR BTU(GBTU)	2068.9170	2603.4990	1412.2370	2422.6010	2282.6310								10789.8850
15. NET GEN (MWH)	283302	361640	190076	331371	312471								1478860
16. ANOHR (BTU/KWH)	7303	7199	7430	7311	7305								7296
17. NOF (%)	63.4	67.9	42.0	65.7	59.9								60.2
18. NPC (MW)	792	792	792	701	701								756
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	MAR13	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								76.1
2. PH	744	672	743	720	744								3623
3. SH	485.0	672.0	741.3	537.5	734.8								3170.7
4. RSH	259.0	0.0	0.0	0.0	0.0								259.0
5. UH	0.0	0.0	22.1	182.5	9.2								213.7
6. POH	0.0	0.0	22.1	175.6	0.0								197.7
7. FOH	0.0	0.0	0.0	0.0	9.2								9.2
8. MOH	0.0	0.0	0.0	6.8	0.0								6.8
9. PFOH	205.5	168.2	185.8	84.4	5.6								649.5
10. LR PF (MW)	1047.0	1047.0	1047.0	929.0	929.0								1030.6
11. PMOH	0.0	0.0	3.3	0.0	0.0								3.3
12. LR PM (MW)	0.0	0.0	1047.0	0.0	0.0								1047.0
13. NSC (MW)	1047	1047	1047	929	929								1000
14. OPR BTU(GBTU)	1988.4890	2594.2940	2257.3990	2174.8410	2954.1160								11969.1390
15. NET GEN (MWH)	268566	351353	298785	291047	396114								1605865
16. ANOHR (BTU/KWH)	7404	7384	7555	7472	7458								7453
17. NOF (%)	52.9	49.9	38.5	58.3	58.0								50.7
18. NPC (MW)	1047	1047	1047	929	929								1000
19. ANOHR EQUATION	ANOHR = NOF(-9.350) + 8,101												

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**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

Unit: **BIG BEND 1** MDC: **410** Run Date: **6/10/2013**

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
54	Full Forced Immed	04/30/2013	17:53:00	05/01/2013	00:49:00	0.82	0	3412	BLPT	Unit tripped on loss of BFPT speed probes
55	Full Forced Immed	05/01/2013	10:54:00	05/03/2013	02:39:00	39.75	0	3416	BLPT	BFP speed error
56	Partial Forced Immed	05/04/2013	00:30:00	05/04/2013	03:45:00	3.25	270	0260	BLR	A Primary Air fan inboard bearing housing fire
57	Full Forced Immed	05/06/2013	00:08:00	05/06/2013	02:00:00	1.87	0	3972	BLPT	DCS Ground
58	Planned Derating	05/07/2013	06:00:00	05/07/2013	06:25:00	0.42	320	0510	BLR	Contractors setting the Main Steam safeties
59	Full Forced Immed	05/08/2013	06:46:00	05/09/2013	16:04:00	33.3	0	9300	EXTL	Transmission upset
60	Partial Forced Immed	05/13/2013	13:19:00	05/13/2013	13:55:00	0.6	355	0250	BLR	B2 Coal feeder tripped
61	Planned Derating	05/14/2013	23:00:00	05/15/2013	06:07:00	7.12	260	0310	BLR	B Pulverizer maintenance
62	Full Forced Delayed	05/16/2013	14:28:00	05/16/2013	23:43:00	9.25	0	0891	BLR	B Slag Tank gate failure
63	Partial Forced Immed	05/29/2013	17:47:00	05/30/2013	15:00:00	21.22	400	8550	POLL	High opacity due to precipitator fouling
64	Partial Forced Immed	05/30/2013	16:50:00	05/31/2013	08:00:00	15.17	405	8550	POLL	High opacity due to precipitator fouling

**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

Unit: **BIG BEND 2** MDC: **410** Run Date: **6/10/2013**

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
57	Partial Forced Immed	05/01/2013	21:20:00	05/02/2013	05:00:00	7.67	270	0310	BLR	A Pulverizer inboard bearing indicating high temperatu
58	Partial Forced Immed	05/03/2013	01:40:00	05/03/2013	04:05:00	2.42	330	9270	EXTL	Wet coal
59	Partial Forced Immed	05/03/2013	04:05:00	05/03/2013	05:08:00	1.05	315	9270	EXTL	Wet coal
60	Partial Forced Immed	05/03/2013	05:08:00	05/03/2013	09:05:00	3.95	338	9270	EXTL	Wet coal
61	Partial Forced Immed	05/10/2013	19:45:00	05/10/2013	20:00:00	0.25	390	0250	BLR	Obstruction in C2 coal feeder
62	Noncurtailing	05/14/2013	01:25:00	05/14/2013	03:20:00	1.92	320	8590	POLL	Precipitator power off rapping
63	Partial Forced Immed	05/15/2013	00:15:00	05/15/2013	00:40:00	0.42	380	0250	BLR	A1 Coal feeder repair
64	Planned Derating	05/15/2013	22:15:00	05/16/2013	02:30:00	4.25	270	0331	BLR	A Pulverizer system coal leak repairs
65	Planned Derating	05/17/2013	22:30:00	05/18/2013	06:30:00	8	270	0331	BLR	B Pulverizer system coal leak repairs
66	Partial Forced Immed	05/25/2013	18:00:00	05/26/2013	06:00:00	12	405	8550	POLL	High opacity due to precipitator fouling
67	Partial Forced Immed	05/29/2013	17:50:00	05/29/2013	19:00:00	1.17	400	8550	POLL	High opacity due to precipitator fouling
68	Partial Forced Immed	05/29/2013	19:00:00	05/30/2013	00:55:00	5.92	275	0127	BLR	B1 Dryer Crusher bearing vibration
69	Partial Forced Immed	05/30/2013	03:00:00	05/30/2013	06:00:00	3	395	8550	POLL	High opacity due to precipitator fouling
70	Partial Forced Immed	05/30/2013	19:45:00	05/31/2013	05:00:00	9.25	400	8550	POLL	High opacity due to precipitator fouling

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**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

Unit: **BIG BEND 3** MDC: **390** Run Date: **6/10/2013**

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
19	Planned Outage	03/01/2013	21:05:00	05/19/2013	03:55:00	435.92	0	3975	BLPT	FGD DCS Controls upgrade
20	Full Forced Immed	05/19/2013	05:13:00	05/19/2013	05:14:00	0.02	0	4740	GEN	Trip testing
21	Maintenance Outage	05/19/2013	05:14:00	05/20/2013	07:15:00	26.02	0	0710	BLR	Blowdown system steam line repairs
22	Full Forced Delayed	05/20/2013	07:41:00	05/21/2013	09:38:00	25.95	0	0710	BLR	Blowdown system steam line repairs
23	Partial Forced Immed	05/21/2013	09:38:00	05/21/2013	18:05:00	8.45	295	0340	BLR	B Pulverizer misc startup maintenance
24	Partial Forced Delayed	05/21/2013	19:58:00	05/21/2013	21:35:00	1.62	160	0340	BLR	A and B Pulverizer misc startup maintenance
25	Partial Forced Delayed	05/21/2013	21:35:00	05/22/2013	15:15:00	17.67	295	0340	BLR	A Pulverizer misc startup maintenance
26	Partial Forced Immed	05/22/2013	16:30:00	05/22/2013	23:15:00	6.75	385	4099	TURB	Turbine rotor position limitation
27	Partial Forced Immed	05/22/2013	23:48:00	05/23/2013	04:20:00	4.53	340	4099	TURB	Turbine rotor position limitation
28	Partial Forced Immed	05/23/2013	04:20:00	05/23/2013	18:00:00	13.67	385	4099	TURB	Turbine rotor position limitation
29	Planned Derating	05/27/2013	02:18:00	05/27/2013	06:35:00	4.28	170	8425	POLL	A FGD Tower* maintenance
30	Full Forced Immed	05/27/2013	11:06:00	05/27/2013	12:37:00	1.52	0	4302	TURB	Turbine tripped

**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

Unit: **BIG BEND 4** MDC: **440** Run Date: **6/10/2013**

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
30	Partial Forced Immed	05/03/2013	08:20:00	05/06/2013	06:00:00	69.67	435	1488	BLR	APH seals need to be replaced
31	Partial Forced Immed	05/06/2013	13:45:00	05/13/2013	10:30:00	164.75	425	1488	BLR	APH seals need to be replaced
32	Partial Forced Immed	05/13/2013	10:30:00	05/19/2013	06:45:00	140.25	410	1488	BLR	APH seals need to be replaced
33	Partial Forced Immed	05/19/2013	06:45:00	05/20/2013	14:00:00	31.25	400	1488	BLR	APH seals need to be replaced
34	Partial Forced Immed	05/20/2013	14:00:00	05/21/2013	23:30:00	33.5	410	1488	BLR	APH seals need to be replaced
35	Planned Derating	05/21/2013	23:30:00	05/22/2013	06:00:00	6.5	350	3310	BLPT	A Condensate pump thrust bearing cooler flush
36	Partial Forced Immed	05/22/2013	06:00:00	05/23/2013	23:00:00	41	410	1488	BLR	APH seals need to be replaced
37	Planned Derating	05/23/2013	23:00:00	05/24/2013	06:15:00	7.25	350	3310	BLPT	A Condensate pump motor cooler chemical cleaning
38	Partial Forced Immed	05/24/2013	06:15:00	05/26/2013	07:15:00	49	400	1488	BLR	APH seals need to be replaced
39	Partial Forced Immed	05/26/2013	07:15:00	05/28/2013	06:23:00	47.13	390	1488	BLR	APH seals need to be replaced
40	Partial Forced Immed	05/28/2013	06:23:00	05/28/2013	23:51:00	17.47	360	1350	BLR	Operating at reduced steam header due to suspected
41	Full Forced Delayed	05/28/2013	23:51:00	06/01/2013	00:00:00	72.15	0	1000	BLR	Water wall tube leak

**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

Unit: POLK 1 MDC: 290 Run Date: 6/10/2013

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
19	Planned Outage	04/14/2013	00:01:00	05/21/2013	23:59:00	503.98	0	5274	GAST	Combustion Inspection
20	Planned Outage Extension	05/21/2013	23:59:00	06/01/2013	00:00:00	240.02	0	5048	GAST	MkVle Controls Upgrade added work

**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 06/31/2013)**

**Unit: BAYSIDE ST1 MDC: 236 Run Date: 6/10/2013**

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



**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

Unit: **BAYSIDE CT1A**      MDC: **158**      Run Date: **6/10/2013**

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
68	Reserve Shutdown	05/01/2013	01:52:00	05/02/2013	05:55:00	28.05	0	0000	UNKN RESERVE SHUTDOWN	
69	Reserve Shutdown	05/03/2013	03:02:00	05/04/2013	11:28:00	32.43	0	0000	UNKN RESERVE SHUTDOWN	
70	Reserve Shutdown	05/04/2013	21:02:00	05/05/2013	12:36:00	15.57	0	0000	UNKN RESERVE SHUTDOWN	
71	Reserve Shutdown	05/05/2013	21:08:00	05/06/2013	11:18:00	14.17	0	0000	UNKN RESERVE SHUTDOWN	
72	Reserve Shutdown	05/06/2013	21:45:00	05/07/2013	09:04:00	11.32	0	0000	UNKN RESERVE SHUTDOWN	
73	Reserve Shutdown	05/07/2013	22:28:00	05/08/2013	07:07:00	8.65	0	0000	UNKN RESERVE SHUTDOWN	
74	Reserve Shutdown	05/09/2013	21:07:00	05/10/2013	06:35:00	9.47	0	0000	UNKN RESERVE SHUTDOWN	
75	Reserve Shutdown	05/13/2013	22:07:00	05/14/2013	11:22:00	13.25	0	0000	UNKN RESERVE SHUTDOWN	
76	Reserve Shutdown	05/16/2013	23:38:00	05/17/2013	09:29:00	9.85	0	0000	UNKN RESERVE SHUTDOWN	
77	Reserve Shutdown	05/18/2013	02:01:00	05/18/2013	11:26:00	9.42	0	0000	UNKN RESERVE SHUTDOWN	
78	Reserve Shutdown	05/19/2013	02:07:00	05/19/2013	10:41:00	8.57	0	0000	UNKN RESERVE SHUTDOWN	
79	Reserve Shutdown	05/27/2013	00:39:00	05/27/2013	12:14:00	11.58	0	0000	UNKN RESERVE SHUTDOWN	
80	Reserve Shutdown	05/27/2013	21:50:00	05/28/2013	10:47:00	12.95	0	0000	UNKN RESERVE SHUTDOWN	
81	Reserve Shutdown	05/29/2013	00:58:00	05/29/2013	11:13:00	10.25	0	0000	UNKN RESERVE SHUTDOWN	
82	Reserve Shutdown	05/29/2013	23:42:00	05/30/2013	09:21:00	9.65	0	0000	UNKN RESERVE SHUTDOWN	
83	Reserve Shutdown	05/30/2013	23:12:00	05/31/2013	09:58:00	10.77	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

Unit: **BAYSIDE CT1B** MDC: **158** Run Date: **6/10/2013**

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
53	Reserve Shutdown	05/01/2013	00:00:00	05/01/2013	12:35:00	12.58	0	0000	UNKN	RESERVE SHUTDOWN
54	Reserve Shutdown	05/02/2013	22:33:00	05/03/2013	09:28:00	10.92	0	0000	UNKN	RESERVE SHUTDOWN
55	Reserve Shutdown	05/06/2013	03:20:00	05/07/2013	13:34:00	34.23	0	0000	UNKN	RESERVE SHUTDOWN
56	Full Forced Immed	05/07/2013	13:41:00	05/07/2013	13:50:00	0.15	0	3830	BLPT	Tripped on triple high HP drum level.
57	Reserve Shutdown	05/08/2013	00:08:00	05/08/2013	08:35:00	8.45	0	0000	UNKN	RESERVE SHUTDOWN
58	Reserve Shutdown	05/08/2013	22:02:00	05/09/2013	05:36:00	7.57	0	0000	UNKN	RESERVE SHUTDOWN
59	Reserve Shutdown	05/09/2013	23:46:00	05/10/2013	10:15:00	10.48	0	0000	UNKN	RESERVE SHUTDOWN
60	Reserve Shutdown	05/10/2013	21:28:00	05/11/2013	08:14:00	10.77	0	0000	UNKN	RESERVE SHUTDOWN
61	Reserve Shutdown	05/12/2013	02:09:00	05/12/2013	11:29:00	9.33	0	0000	UNKN	RESERVE SHUTDOWN
62	Reserve Shutdown	05/12/2013	23:58:00	05/13/2013	10:49:00	10.85	0	0000	UNKN	RESERVE SHUTDOWN
63	Reserve Shutdown	05/13/2013	19:09:00	05/14/2013	05:57:00	10.8	0	0000	UNKN	RESERVE SHUTDOWN
64	Reserve Shutdown	05/14/2013	23:35:00	05/15/2013	09:47:00	10.2	0	0000	UNKN	RESERVE SHUTDOWN
65	Reserve Shutdown	05/15/2013	22:06:00	05/16/2013	10:38:00	12.53	0	0000	UNKN	RESERVE SHUTDOWN
66	Full Forced Immed	05/16/2013	10:39:00	05/16/2013	14:58:00	4.32	0	5299	GAST	Sheared 89SS drive pin.
67	Reserve Shutdown	05/16/2013	14:59:00	05/16/2013	18:21:00	3.37	0	0000	UNKN	RESERVE SHUTDOWN
68	Reserve Shutdown	05/18/2013	22:06:00	05/19/2013	08:53:00	10.78	0	0000	UNKN	RESERVE SHUTDOWN
69	Reserve Shutdown	05/20/2013	00:04:00	05/20/2013	07:43:00	7.65	0	0000	UNKN	RESERVE SHUTDOWN
70	Reserve Shutdown	05/20/2013	23:16:00	05/21/2013	09:08:00	9.87	0	0000	UNKN	RESERVE SHUTDOWN
71	Reserve Shutdown	05/21/2013	23:04:00	05/22/2013	09:30:00	10.43	0	0000	UNKN	RESERVE SHUTDOWN
72	Reserve Shutdown	05/22/2013	22:58:00	05/23/2013	10:17:00	11.32	0	0000	UNKN	RESERVE SHUTDOWN
73	Reserve Shutdown	05/23/2013	23:20:00	05/24/2013	10:03:00	10.72	0	0000	UNKN	RESERVE SHUTDOWN
74	Reserve Shutdown	05/25/2013	00:55:00	05/25/2013	13:00:00	12.08	0	0000	UNKN	RESERVE SHUTDOWN
75	Reserve Shutdown	05/25/2013	21:41:00	05/26/2013	13:23:00	15.7	0	0000	UNKN	RESERVE SHUTDOWN
76	Reserve Shutdown	05/31/2013	21:54:00	05/31/2013	23:59:00	2.08	0	0000	UNKN	RESERVE SHUTDOWN

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**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

**Unit: BAYSIDE CT1C MDC: 158 Run Date: 6/10/2013**

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
50	Reserve Shutdown	05/03/2013	21:25:00	05/04/2013	09:52:00	12.45	0	0000	UNKN	RESERVE SHUTDOWN
51	Reserve Shutdown	05/04/2013	23:00:00	05/06/2013	00:36:00	25.6	0	0000	UNKN	RESERVE SHUTDOWN
52	Reserve Shutdown	05/08/2013	22:33:00	05/09/2013	09:01:00	10.47	0	0000	UNKN	RESERVE SHUTDOWN
53	Reserve Shutdown	05/10/2013	22:40:00	05/11/2013	10:09:00	11.48	0	0000	UNKN	RESERVE SHUTDOWN
54	Reserve Shutdown	05/11/2013	19:09:00	05/12/2013	08:29:00	13.33	0	0000	UNKN	RESERVE SHUTDOWN
55	Reserve Shutdown	05/12/2013	21:53:00	05/13/2013	05:37:00	7.73	0	0000	UNKN	RESERVE SHUTDOWN
56	Reserve Shutdown	05/14/2013	19:35:00	05/15/2013	12:59:00	17.4	0	0000	UNKN	RESERVE SHUTDOWN
57	Reserve Shutdown	05/15/2013	21:33:00	05/16/2013	05:42:00	8.15	0	0000	UNKN	RESERVE SHUTDOWN
58	Reserve Shutdown	05/17/2013	01:43:00	05/17/2013	11:52:00	10.15	0	0000	UNKN	RESERVE SHUTDOWN
59	Reserve Shutdown	05/17/2013	23:47:00	05/18/2013	09:35:00	9.8	0	0000	UNKN	RESERVE SHUTDOWN
80	Reserve Shutdown	05/19/2013	21:47:00	05/19/2013	22:17:00	0.5	0	0000	UNKN	RESERVE SHUTDOWN
61	Maintenance Outage	05/20/2013	22:18:00	05/20/2013	22:28:00	0.17	0	5190	GAST	Troubleshoot and repair hard ground on 125 VDC syst
62	Reserve Shutdown	05/20/2013	22:29:00	05/21/2013	04:56:00	6.45	0	0000	UNKN	RESERVE SHUTDOWN
63	Reserve Shutdown	05/21/2013	18:44:00	05/22/2013	07:02:00	12.3	0	0000	UNKN	RESERVE SHUTDOWN
64	Reserve Shutdown	05/22/2013	19:41:00	05/23/2013	05:16:00	9.58	0	0000	UNKN	RESERVE SHUTDOWN
65	Maintenance Outage	05/23/2013	05:17:00	05/23/2013	09:30:00	4.22	0	3999	BLPT	Repair HRSG CRH drain pot level probe
66	Reserve Shutdown	05/23/2013	09:31:00	05/23/2013	12:07:00	2.6	0	0000	UNKN	RESERVE SHUTDOWN
67	Reserve Shutdown	05/23/2013	21:14:00	05/24/2013	07:49:00	10.58	0	0000	UNKN	RESERVE SHUTDOWN
68	Reserve Shutdown	05/24/2013	23:32:00	05/25/2013	09:55:00	10.38	0	0000	UNKN	RESERVE SHUTDOWN
69	Reserve Shutdown	05/25/2013	19:26:00	05/26/2013	10:04:00	14.63	0	0000	UNKN	RESERVE SHUTDOWN
70	Reserve Shutdown	05/26/2013	19:00:00	05/27/2013	10:32:00	15.53	0	0000	UNKN	RESERVE SHUTDOWN
71	Reserve Shutdown	05/27/2013	19:04:00	05/28/2013	08:06:00	13.03	0	0000	UNKN	RESERVE SHUTDOWN
72	Reserve Shutdown	05/28/2013	21:47:00	05/29/2013	08:43:00	10.93	0	0000	UNKN	RESERVE SHUTDOWN
73	Reserve Shutdown	05/29/2013	22:11:00	05/30/2013	08:00:00	9.82	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

Unit: **BAYSIDE ST2**      MDC: **308**      Run Date: **6/10/2013**

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
4	Full Forced Immed	05/24/2013	10:35:00	05/24/2013	19:45:00	9.17	0	3833	BLPT	Ruptured oil supply line in front standard caused turbir

**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

Unit: **BAYSIDE CT2A** MDC: **158** Run Date: **6/10/2013**

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
67	Reserve Shutdown	05/01/2013	00:29:00	05/01/2013	11:12:00	10.72	0	0000	UNKN RESERVE SHUTDOWN	
68	Reserve Shutdown	05/02/2013	00:06:00	05/02/2013	15:03:00	14.95	0	0000	UNKN RESERVE SHUTDOWN	
69	Reserve Shutdown	05/02/2013	23:47:00	05/03/2013	12:48:00	13.02	0	0000	UNKN RESERVE SHUTDOWN	
70	Reserve Shutdown	05/04/2013	03:05:00	05/04/2013	13:06:00	10.02	0	0000	UNKN RESERVE SHUTDOWN	
71	Reserve Shutdown	05/05/2013	00:56:00	05/07/2013	14:38:00	61.7	0	0000	UNKN RESERVE SHUTDOWN	
72	Full Forced Immed	05/07/2013	14:39:00	05/08/2013	13:07:00	22.47	0	5049	GAST	Repairs to gas skid heater head.
73	Reserve Shutdown	05/08/2013	13:08:00	05/08/2013	13:36:00	0.47	0	0000	UNKN RESERVE SHUTDOWN	
74	Reserve Shutdown	05/09/2013	21:52:00	05/10/2013	08:49:00	10.95	0	0000	UNKN RESERVE SHUTDOWN	
75	Reserve Shutdown	05/10/2013	22:04:00	05/11/2013	08:58:00	10.9	0	0000	UNKN RESERVE SHUTDOWN	
76	Reserve Shutdown	05/12/2013	00:30:00	05/12/2013	10:41:00	10.18	0	0000	UNKN RESERVE SHUTDOWN	
77	Reserve Shutdown	05/13/2013	01:00:00	05/13/2013	13:39:00	12.65	0	0000	UNKN RESERVE SHUTDOWN	
78	Reserve Shutdown	05/13/2013	23:30:00	05/14/2013	14:44:00	15.23	0	0000	UNKN RESERVE SHUTDOWN	
79	Reserve Shutdown	05/15/2013	22:38:00	05/16/2013	08:47:00	10.15	0	0000	UNKN RESERVE SHUTDOWN	
80	Reserve Shutdown	05/19/2013	04:03:00	05/19/2013	11:33:00	7.5	0	0000	UNKN RESERVE SHUTDOWN	
81	Reserve Shutdown	05/21/2013	01:10:00	05/21/2013	12:57:00	11.78	0	0000	UNKN RESERVE SHUTDOWN	
82	Reserve Shutdown	05/21/2013	23:56:00	05/22/2013	11:28:00	11.53	0	0000	UNKN RESERVE SHUTDOWN	
83	Reserve Shutdown	05/23/2013	00:18:00	05/23/2013	11:30:00	11.2	0	0000	UNKN RESERVE SHUTDOWN	
84	Reserve Shutdown	05/24/2013	00:11:00	05/24/2013	09:23:00	9.2	0	0000	UNKN RESERVE SHUTDOWN	
85	Reserve Shutdown	05/24/2013	14:08:00	05/25/2013	11:06:00	20.97	0	0000	UNKN RESERVE SHUTDOWN	
86	Reserve Shutdown	05/26/2013	00:01:00	05/27/2013	09:48:00	33.78	0	0000	UNKN RESERVE SHUTDOWN	
87	Reserve Shutdown	05/28/2013	00:03:00	05/28/2013	13:06:00	13.05	0	0000	UNKN RESERVE SHUTDOWN	
88	Reserve Shutdown	05/30/2013	22:10:00	05/31/2013	08:27:00	10.28	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

Unit: **BAYSIDE CT2B** MDC: **158** Run Date: **6/10/2013**

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
27	Reserve Shutdown	05/01/2013	22:22:00	05/02/2013	10:21:00	11.98	0	0000	UNKN	RESERVE SHUTDOWN
28	Reserve Shutdown	05/04/2013	00:18:00	05/04/2013	10:37:00	10.32	0	0000	UNKN	RESERVE SHUTDOWN
29	Reserve Shutdown	05/04/2013	21:20:00	05/06/2013	06:39:00	33.32	0	0000	UNKN	RESERVE SHUTDOWN
30	Reserve Shutdown	05/06/2013	23:00:00	05/08/2013	09:35:00	34.58	0	0000	UNKN	RESERVE SHUTDOWN
31	Reserve Shutdown	05/09/2013	00:33:00	05/09/2013	10:59:00	10.43	0	0000	UNKN	RESERVE SHUTDOWN
32	Reserve Shutdown	05/10/2013	00:47:00	05/10/2013	11:47:00	11	0	0000	UNKN	RESERVE SHUTDOWN
33	Reserve Shutdown	05/11/2013	02:20:00	05/11/2013	12:17:00	9.95	0	0000	UNKN	RESERVE SHUTDOWN
34	Reserve Shutdown	05/11/2013	20:58:00	05/12/2013	09:20:00	12.37	0	0000	UNKN	RESERVE SHUTDOWN
35	Reserve Shutdown	05/12/2013	22:57:00	05/13/2013	12:14:00	13.28	0	0000	UNKN	RESERVE SHUTDOWN
36	Reserve Shutdown	05/13/2013	23:17:00	05/14/2013	13:41:00	14.4	0	0000	UNKN	RESERVE SHUTDOWN
37	Reserve Shutdown	05/15/2013	01:01:00	05/15/2013	10:59:00	9.97	0	0000	UNKN	RESERVE SHUTDOWN
38	Reserve Shutdown	05/16/2013	00:06:00	05/16/2013	10:44:00	10.63	0	0000	UNKN	RESERVE SHUTDOWN
39	Reserve Shutdown	05/17/2013	00:16:00	05/17/2013	10:32:00	10.27	0	0000	UNKN	RESERVE SHUTDOWN
40	Reserve Shutdown	05/18/2013	00:51:00	05/18/2013	10:23:00	9.53	0	0000	UNKN	RESERVE SHUTDOWN
42	Reserve Shutdown	05/19/2013	00:16:00	05/19/2013	09:40:00	9.4	0	0000	UNKN	RESERVE SHUTDOWN
43	Reserve Shutdown	05/20/2013	01:19:00	05/20/2013	09:33:00	8.23	0	0000	UNKN	RESERVE SHUTDOWN
44	Reserve Shutdown	05/21/2013	00:08:00	05/21/2013	09:36:00	9.47	0	0000	UNKN	RESERVE SHUTDOWN
45	Reserve Shutdown	05/21/2013	17:49:00	05/22/2013	13:04:00	19.25	0	0000	UNKN	RESERVE SHUTDOWN
46	Reserve Shutdown	05/22/2013	22:13:00	05/23/2013	09:06:00	10.88	0	0000	UNKN	RESERVE SHUTDOWN
47	Reserve Shutdown	05/23/2013	23:57:00	05/25/2013	14:49:00	38.87	0	0000	UNKN	RESERVE SHUTDOWN
48	Reserve Shutdown	05/25/2013	22:31:00	05/27/2013	11:34:00	37.05	0	0000	UNKN	RESERVE SHUTDOWN
49	Reserve Shutdown	05/27/2013	23:19:00	05/28/2013	11:32:00	12.22	0	0000	UNKN	RESERVE SHUTDOWN
50	Reserve Shutdown	05/28/2013	23:38:00	05/29/2013	10:06:00	10.47	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(05/01/2013 - 05/31/2013)**

Unit: BAYSIDE CT2C MDC: 158 Run Date: 6/10/2013

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
5	Reserve Shutdown	05/14/2013	21:28:00	05/15/2013	11:56:00	14.47	0	0000	UNKN	RESERVE SHUTDOWN
6	Reserve Shutdown	05/24/2013	12:29:00	05/25/2013	09:19:00	20.83	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company**  
**Outage Listing**  
(05/01/2013 - 05/31/2013)

Unit: BAYSIDE CT2D MDC: 158 Run Date: 6/10/2013

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
56	Reserve Shutdown	05/01/2013	00:00:00	05/01/2013	05:56:00	5.93	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
57	Reserve Shutdown	05/02/2013	19:45:00	05/03/2013	05:44:00	9.98	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
58	Reserve Shutdown	05/03/2013	18:32:00	05/04/2013	08:35:00	14.05	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
59	Reserve Shutdown	05/04/2013	18:40:00	05/05/2013	09:39:00	14.98	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
60	Reserve Shutdown	05/05/2013	22:50:00	05/08/2013	11:25:00	60.58	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
61	Reserve Shutdown	05/08/2013	23:30:00	05/09/2013	12:59:00	13.48	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
62	Reserve Shutdown	05/09/2013	22:44:00	05/10/2013	11:15:00	12.52	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
63	Reserve Shutdown	05/11/2013	00:34:00	05/11/2013	10:46:00	10.2	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
64	Reserve Shutdown	05/11/2013	22:36:00	05/12/2013	09:51:00	11.25	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
65	Reserve Shutdown	05/12/2013	19:42:00	05/13/2013	08:24:00	12.7	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
66	Reserve Shutdown	05/13/2013	21:09:00	05/14/2013	09:41:00	12.53	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
67	Reserve Shutdown	05/14/2013	22:16:00	05/15/2013	05:57:00	7.68	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
68	Reserve Shutdown	05/16/2013	01:06:00	05/16/2013	11:23:00	10.28	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
69	Reserve Shutdown	05/16/2013	22:12:00	05/17/2013	06:46:00	8.57	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
70	Reserve Shutdown	05/17/2013	21:09:00	05/18/2013	09:02:00	11.88	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
71	Reserve Shutdown	05/18/2013	21:11:00	05/19/2013	08:08:00	10.95	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
72	Reserve Shutdown	05/19/2013	23:05:00	05/20/2013	06:01:00	6.93	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
73	Reserve Shutdown	05/20/2013	22:33:00	05/21/2013	06:37:00	8.07	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
74	Reserve Shutdown	05/21/2013	19:57:00	05/22/2013	07:49:00	11.87	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
75	Reserve Shutdown	05/22/2013	21:24:00	05/23/2013	06:32:00	9.13	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
76	Reserve Shutdown	05/23/2013	21:38:00	05/24/2013	18:48:00	21.17	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
77	Reserve Shutdown	05/25/2013	18:02:00	05/26/2013	11:41:00	17.65	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
78	Reserve Shutdown	05/26/2013	22:07:00	05/27/2013	13:07:00	15	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
79	Reserve Shutdown	05/27/2013	20:16:00	05/28/2013	09:26:00	13.17	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
80	Reserve Shutdown	05/28/2013	19:36:00	05/29/2013	06:14:00	10.63	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
81	Reserve Shutdown	05/30/2013	00:52:00	05/30/2013	10:47:00	9.92	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
82	Reserve Shutdown	05/31/2013	00:10:00	05/31/2013	11:38:00	11.47	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN



Tampa Electric Company  
 Actual Unit Performance  
 Outage Listing Abbreviations and Descriptions

AGA	Acid Gas Absorber	ID	Induced Draft
APH	Air Preheater	IP	Intermediate Pressure
ASU	Air Separation Unit	KO	Knock Out
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
HRSR	Heat Recovery Steam Generator	STARSS	Strategic Anti-Rotating Stall Schedule
HX	Heat Exchanger	T/R	Transformer Rectifier
IAS	Instrument Air Supply	ZBL	Zero Ball Loss condenser cleaning system