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May 25, 2016  
**ELECTRONIC FILING**

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


Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance  
Incentive Factor; FPSC Docket No. 160001-EI

Dear Ms. Stauffer:

Attached for filing in the above docket is Tampa Electric Company's GPIF Actual Unit  
Performance Data Schedules for the month of April 2016.

Thank you for your assistance in connection with this matter.

Sincerely,



Ashley M. Daniels

AMD/ne  
Attachment

cc: All parties of record (w/attachment)

## CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Schedules, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 25th day of May, 2016 to the following:

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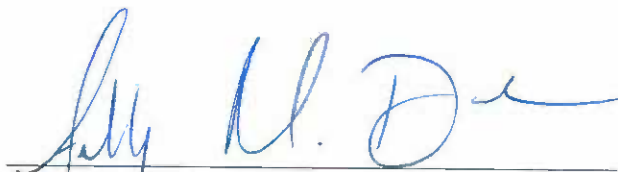
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ATTORNEY

ORIGINAL SHEET NO. 8.401.16A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	48.0	77.4	91.8	61.7									69.6
2. PH	744	696	743	720									2903
3. SH	364.7	569.8	683.5	445.7									2063.6
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	379.3	126.2	59.5	274.3									839.4
6. POH	0.0	0.0	0.0	274.3									274.3
7. FOH	379.3	126.2	59.5	0.0									565.0
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PFOH	30.9	94.0	15.9	9.8									150.5
10. LR PF (MW)	94.0	131.7	23.5	18.8									105.2
11. PMOH	0.0	0.3	1.0	1.4									2.7
12. LR PM (MW)	0.0	206.9	214.4	195.0									203.3
13. NSC (MW)	395	395	395	385									393
14. OPR BTU(GBTU)	894.2913	1684.8736	1958.0597	1221.1867									5758.4112
15. NET GEN (MWH)	82135	157430	181868	113374									534807
16. ANOHR (BTU/KWH)	10888	10702	10766	10771									10767
17. NOF (%)	57.0	69.9	67.4	66.1									66.0
18. NPC (MW)	395	395	395	385									393
19. ANOHR EQUATION	ANOHR = NOF ( -16.86 ) + ( 12,219 )												

ORIGINAL SHEET NO. 8.401.16A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	76.7	8.4	68.3	0.0									39.1
2. PH	744	696	743	720									2903
3. SH	595.3	59.5	570.0	0.0									1224.8
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	148.7	636.5	173.0	720.0									1678.2
6. POH	0.0	0.0	173.0	720.0									893.0
7. FOH	148.7	636.5	0.0	0.0									785.2
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PFOH	220.2	20.0	519.3	0.0									759.5
10. LR PF (MW)	31.3	21.9	43.0	0.0									39.0
11. PMOH	144.3	0.0	50.7	0.0									194.9
12. LR PM (MW)	19.5	0.0	45.9	0.0									26.3
13. NSC (MW)	395	395	395	385									395
14. OPR BTU(GBTU)	1571.2504	211.3306	1598.3878	0.0000									3380.9688
15. NET GEN (MWH)	138943	18535	144508	0									301986
16. ANOHR (BTU/KWH)	11309	11402	11061	0									11196
17. NOF (%)	59.1	78.9	64.2	0.0									62.4
18. NPC (MW)	395	395	395	385									393
19. ANOHR EQUATION	ANOHR = NOF	( -21.73 ) + ( 12,462 )											

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ORIGINAL SHEET NO. 8.401.16A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	37.8	11.3	53.5	59.3									40.8
2. PH	744	696	743	720									2903
3. SH	201.7	173.0	660.2	675.6									1710.5
4. RSH	176.3	0.0	71.5	0.0									247.8
5. UH	366.0	537.5	11.3	44.4									959.2
6. POH	313.0	537.5	0.0	0.0									850.5
7. FOH	53.0	0.0	0.0	44.4									97.3
8. MOH	0.0	0.0	11.3	0.0									11.3
9. PFOH	145.2	158.5	660.2	561.0									1524.8
10. LR PF (MW)	266.6	202.4	202.4	175.1									198.4
11. PMOH	0.0	0.0	0.0	0.0									0.0
12. LR PM (MW)	0.0	0.0	0.0	0.0									0.0
13. NSC (MW)	400	400	400	395									398
14. OPR BTU(GBTU)	405.2481	234.3710	1060.7180	1369.1591									3069.4962
15. NET GEN (MWH)	34135	21494	100847	131589									288065
16. ANOHR BTU/KWH	11872	10904	10518	10405									10656
17. NOF (%)	42.3	31.1	38.2	49.3									42.3
18. NPC (MW)	400	400	400	395									399
19. ANOHR EQUATION	ANOHR = NOF	(-17.14) + (12,189)											



ORIGINAL SHEET NO. 8.401.16A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	92.7	73.4	62.3	68.1									74.2
2. PH	744	696	743	720									2903
3. SH	744.0	648.9	469.6	551.0									2413.5
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	0.0	47.1	273.4	169.0									489.5
6. POH	0.0	47.1	273.4	0.0									320.5
7. FOH	0.0	0.0	0.0	0.0									0.0
8. MOH	0.0	0.0	0.0	169.0									169.0
9. PFOH	379.2	627.7	83.1	279.5									1369.6
10. LR PF (MW)	61.5	93.0	32.6	83.3									78.6
11. PMOH	4.5	10.9	1.4	12.6									29.4
12. LR PM (MW)	138.8	241.0	228.0	255.9									231.0
13. NSC (MW)	442	442	442	437									441
14. OPR BTU(GBTU)	2255.8865	1823.8952	1126.6380	1536.5018									6742.9216
15. NET GEN (MWH)	215861	178896	102685	149165									646607
16. ANOHR BTU/KWH	10451	10195	10972	10301									10428
17. NOF (%)	65.6	62.4	49.5	61.9									60.8
18. NPC (MW)	442	442	442	437									441
19. ANOHR EQUATION	ANOHR = NOF	( -13.92 )	+ ( 11,725 )										

ORIGINAL SHEET NO. 8.401.16A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	100.0	92.3	84.0	74.2									87.7
2. PH	744	696	743	720									2903
3. SH	744.0	599.3	624.2	534.2									2501.8
4. RSH	0.0	42.8	0.0	0.0									42.8
5. UH	0.0	53.9	118.8	185.8									358.4
6. POH	0.0	0.0	0.0	178.8									178.8
7. FOH	0.0	38.0	118.8	7.1									163.8
8. MOH	0.0	15.9	0.0	0.0									15.9
9. PFOH	0.0	0.0	0.0	0.0									0.0
10. LR PF (MW)	0.0	0.0	0.0	0.0									0.0
11. PMOH	0.0	0.0	0.0	0.0									0.0
12. LR PM (MW)	0.0	0.0	0.0	0.0									0.0
13. NSC (MW)	220	220	220	220									220
14. OPR BTU(GBTU)	1618.4199	1269.9630	1403.1867	1131.8212									5423.3908
15. NET GEN (MWH)	169475	129181	137804	118079									554539
16. ANOHR BTU/KWH	9550	9831	10182	9585									9780
17. NOF (%)	103.5	98.0	100.3	100.5									100.8
18. NPC (MW)	220	220	220	220									220
19. ANOHR EQUATION	ANOHR = NOF ( -22.73 ) + ( 12,327 )												

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ORIGINAL SHEET NO. 8.401.16A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	100.0	61.5	99.7	99.3									90.5
2. PH	744	696	743	720									2903
3. SH	744.0	444.6	743.0	718.4									2650.0
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	0.0	251.4	0.0	1.6									253.0
6. POH	0.0	251.4	0.0	0.0									251.4
7. FOH	0.0	0.0	0.0	1.6									1.6
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PFOH	0.2	0.1	7.1	2.1									9.5
10. LR PF (MW)	0.0	264.0	264.0	233.7									252.3
11. PMOH	0.0	49.3	0.0	9.2									58.6
12. LR PM (MW)	0.0	264.0	0.0	233.7									259.2
13. NSC (MW)	792	792	792	701									767
14. OPR BTU(GBTU)	2779.4750	1731.2720	2788.0910	2819.1310									10117.9690
15. NET GEN (MWH)	377266	231967	368785	376751									1354769
16. ANOHR (BTU/KWH)	7367	7463	7560	7483									7468
17. NOF (%)	64.0	65.9	62.7	74.8									66.6
18. NPC (MW)	792	792	792	701									769
19. ANOHR EQUATION	ANOHR = NOF (-12.11) + (8,099)												

ORIGINAL SHEET NO. 8.401.16A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2016 - DECEMBER 2016

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 16	FEB 16	MAR 16	APR 16	MAY 16	JUN 16	JUL 16	AUG 16	SEP 16	OCT 16	NOV 16	DEC 16	2016
1. EAF (%)	98.0	84.6	49.8	94.5									81.5
2. PH	744	696	743	720									2903
3. SH	744.0	647.6	487.8	711.3									2590.8
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	0.0	48.4	255.2	8.7									312.2
6. POH	0.0	48.4	255.2	0.0									303.5
7. FOH	0.0	0.0	0.0	0.0									0.0
8. MOH	0.0	0.0	0.0	8.7									8.7
9. PFOH	0.3	10.3	52.3	0.0									62.8
10. LR PF (MW)	261.8	261.8	261.8	0.0									261.8
11. PMOH	58.6	224.5	478.0	123.3									884.4
12. LR PM (MW)	261.8	261.8	229.5	232.3									240.2
13. NSC (MW)	1047	1047	1047	929									1015
14. OPR BTU(GBTU)	3309.0280	3268.1750	1691.5940	3466.4640									11735.2610
15. NET GEN (MWH)	448880	437523	218662	459495									1564560
16. ANOHR (BTU/KWH)	7372	7470	7736	7544									7501
17. NOF (%)	57.6	64.5	42.8	69.5									59.5
18. NPC (MW)	1047	1047	1047	929									1018
19. ANOHR EQUATION	ANOHR = NOF	(-8.68)	+ (7,949)										

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**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

**Unit: BIG BEND 1      MDC: 410      Run Date: 5/6/2016**

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
22	Noncurtailing	03/31/2016	14:25:00	04/06/2016	23:45:00	143.75	400	9620	RS&E	Stack particulate matter limit
23	Partial Maintenance	04/06/2016	23:45:00	04/07/2016	00:50:00	1.08	200	4268	TURB	Main Turbine valve testing
24	Noncurtailing	04/07/2016	00:50:00	04/08/2016	17:00:00	40.17	400	9620	RS&E	Stack particulate matter limit
25	Partial Forced Immed	04/08/2016	17:00:00	04/09/2016	02:45:00	9.75	390	8825	NOx	SCR inlet temperature limit (800 deg)
26	Planned Outage	04/09/2016	02:45:00	04/20/2016	13:04:00	274.32	0	3975	BLPT	DCS upgrade
27	Noncurtailing	04/24/2016	13:00:00	04/24/2016	14:30:00	1.5	390	9620	RS&E	Stack particulate matter limit
28	Noncurtailing	04/24/2016	14:30:00	04/24/2016	17:00:00	2.5	405	9620	RS&E	Stack particulate matter limit
29	Noncurtailing	04/25/2016	00:43:00	04/25/2016	02:05:00	1.37	350	0340	BLR	Mill peaking
30	Noncurtailing	04/25/2016	22:00:00	04/25/2016	23:50:00	1.83	350	0340	BLR	Mill peaking
31	Noncurtailing	04/26/2016	13:30:00	04/26/2016	14:15:00	0.75	395	9620	RS&E	Stack particulate matter limit
32	Partial Maintenance	04/28/2016	01:34:00	04/28/2016	01:54:00	0.33	210	4268	TURB	Main Turbine valve testing



**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

**Unit: BIG BEND 2      MDC: 410      Run Date: 5/6/2016**

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
29	Planned Outage	03/24/2016	19:00:00	01/01/2017	00:00:00	720	0	3975	BLPT	DCS upgrade

**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

Unit:		BIG BEND 3		MDC:		420		Run Date:		5/6/2016	
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	
17	Partial Forced Immed	03/23/2016	06:29:00	04/18/2016	20:26:00	428.43	210	3210	BLPT	B Circulating water pump rebuild	
18	Full Forced Immed	04/18/2016	20:26:00	04/20/2016	10:45:00	38.32	0	4609	GEN	Exciter oil leak. Unit tripped during shutdown.	
19	Partial Forced Immed	04/20/2016	10:45:00	04/22/2016	14:48:00	52.05	210	3210	BLPT	B Circulating water pump rebuild	
20	Full Forced Delayed	04/24/2016	07:02:00	04/24/2016	13:05:00	6.05	0	4609	GEN	Exciter oil leak.	
21	Partial Forced Immed	04/26/2016	15:45:00	04/28/2016	15:05:00	47.33	410	0570	BLR	Low Reheat steam temps due to boiler deslagging at lo	
22	Partial Forced Immed	04/29/2016	14:50:00	04/29/2016	16:00:00	1.17	410	1530	BLR	APH Air Inlet temperature high indication	
23	Partial Forced Immed	04/29/2016	16:00:00	05/01/2016	07:00:00	32	415	0570	BLR	Low Reheat steam temps due to boiler deslagging at lo	

**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

Unit:		BIG BEND 4		MDC:		470		Run Date:		5/6/2016	
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	
43	Noncurtailing	03/28/2016	12:55:00	04/01/2016	12:50:00	12.83	440	3454	BLPT	Booster pump high vibration indication	
44	Planned Derating	04/05/2016	03:30:00	04/05/2016	15:30:00	12	200	8260	POLL	D Booster fan inlet guide vane drive replacement	
45	Noncurtailing	04/08/2016	13:48:00	04/08/2016	17:00:00	3.2	400	8261	POLL	Booster fan amps exceed limits	
46	Partial Maintenance	04/10/2016	01:09:00	04/10/2016	01:42:00	0.55	200	4268	TURB	Main Turbine valve testing	
47	Partial Forced Delayed	04/12/2016	07:30:00	04/18/2016	11:30:00	148	400	1350	BLR	Operating at reduced steam header (2000#) due to sus	
48	Partial Forced Delayed	04/18/2016	11:30:00	04/21/2016	00:01:00	60.52	375	1350	BLR	Operating at reduced steam header (1800#) due to sus	
49	Partial Forced Immed	04/21/2016	00:01:00	04/23/2016	06:00:00	53.98	370	1350	BLR	Operating at reduced steam header (1800#) due to sus	
50	Partial Forced Delayed	04/23/2016	06:00:00	04/23/2016	23:00:00	17	345	1350	BLR	Operating at reduced steam header (1700#) due to sus	
51	Maintenance Outage	04/23/2016	23:00:00	04/27/2016	10:25:00	83.42	0	1000	BLR	External boiler leaks	
52	Maintenance Outage Extensic	04/27/2016	10:25:00	01/01/2017	00:00:00	85.58	0	1000	BLR	Additional external boiler leaks discovered on startup	

**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

Unit:		POLK 1		MDC:		290		Run Date:		5/6/2016	
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	
11	Full Forced Immed	04/04/2016	14:00:00	04/04/2016	21:04:00	7.07	0	5049	GAST	1A, MAC Discharge VV DC soleinoid lost power, tripped	
12	Planned Derating	04/21/2016	12:41:00	01/01/2017	00:00:00	48.57	200	5049	GAST	Planned Outage on gasifier	
12	Planned Derating	04/21/2016	12:41:00	01/01/2017	00:00:00	178.75	200	5049	GAST	Planned Outage on gasifier	
13	Planned Outage	04/23/2016	13:15:00	01/01/2017	00:00:00	178.75	0	5274	GAST	Annual Outage	

**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

Unit:		BAYSIDE ST1		MDC:		236		Run Date:		5/6/2016	
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	04/04/2016	00:52:00	04/04/2016	02:26:00	1.57	0	3133	COND	Loss of the 'B' Vacuum pump during equipment rotation	



**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

**Unit: BAYSIDE CT1A      MDC: 158      Run Date: 5/6/2016**

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
33	Reserve Shutdown	04/03/2016	23:28:00	04/04/2016	14:01:00	14.55	0	0000	UNKN RESERVE SHUTDOWN	
34	Reserve Shutdown	04/04/2016	23:50:00	04/05/2016	10:46:00	10.93	0	0000	UNKN RESERVE SHUTDOWN	
35	Reserve Shutdown	04/06/2016	22:52:00	04/07/2016	05:53:00	7.02	0	0000	UNKN RESERVE SHUTDOWN	
36	Reserve Shutdown	04/07/2016	21:43:00	04/08/2016	05:58:00	8.25	0	0000	UNKN RESERVE SHUTDOWN	
37	Reserve Shutdown	04/08/2016	23:43:00	04/09/2016	11:12:00	11.48	0	0000	UNKN RESERVE SHUTDOWN	
38	Reserve Shutdown	04/09/2016	22:49:00	04/10/2016	09:14:00	10.42	0	0000	UNKN RESERVE SHUTDOWN	
39	Reserve Shutdown	04/10/2016	22:51:00	04/11/2016	07:02:00	8.18	0	0000	UNKN RESERVE SHUTDOWN	
40	Reserve Shutdown	04/11/2016	21:45:00	04/12/2016	05:12:00	7.45	0	0000	UNKN RESERVE SHUTDOWN	
41	Reserve Shutdown	04/12/2016	21:43:00	04/13/2016	05:41:00	7.97	0	0000	UNKN RESERVE SHUTDOWN	
42	Reserve Shutdown	04/13/2016	23:56:00	04/14/2016	07:12:00	7.27	0	0000	UNKN RESERVE SHUTDOWN	
43	Reserve Shutdown	04/14/2016	21:52:00	04/15/2016	05:48:00	7.93	0	0000	UNKN RESERVE SHUTDOWN	
44	Reserve Shutdown	04/16/2016	19:52:00	04/17/2016	08:22:00	12.5	0	0000	UNKN RESERVE SHUTDOWN	
45	Reserve Shutdown	04/17/2016	22:20:00	04/18/2016	06:25:00	8.08	0	0000	UNKN RESERVE SHUTDOWN	
46	Reserve Shutdown	04/18/2016	23:48:00	04/19/2016	07:38:00	7.83	0	0000	UNKN RESERVE SHUTDOWN	
47	Reserve Shutdown	04/19/2016	23:09:00	04/20/2016	09:34:00	10.42	0	0000	UNKN RESERVE SHUTDOWN	
48	Reserve Shutdown	04/20/2016	22:52:00	04/21/2016	06:28:00	7.6	0	0000	UNKN RESERVE SHUTDOWN	
49	Reserve Shutdown	04/26/2016	00:06:00	04/26/2016	09:44:00	9.63	0	0000	UNKN RESERVE SHUTDOWN	
50	Reserve Shutdown	04/28/2016	00:21:00	04/29/2016	07:46:00	31.42	0	0000	UNKN RESERVE SHUTDOWN	
51	Reserve Shutdown	04/30/2016	00:13:00	04/30/2016	09:09:00	8.93	0	0000	UNKN RESERVE SHUTDOWN	
52	Reserve Shutdown	04/30/2016	23:15:00	04/30/2016	23:59:00	0.73	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

**Unit: BAYSIDE CT1B      MDC: 158      Run Date: 5/6/2016**

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
32	Reserve Shutdown	04/01/2016	00:00:00	04/01/2016	09:15:00	9.25	0	0000	UNKN RESERVE SHUTDOWN	
33	Reserve Shutdown	04/01/2016	21:58:00	04/02/2016	07:33:00	9.58	0	0000	UNKN RESERVE SHUTDOWN	
34	Reserve Shutdown	04/03/2016	01:04:00	04/03/2016	11:40:00	10.6	0	0000	UNKN RESERVE SHUTDOWN	
35	Reserve Shutdown	04/05/2016	00:45:00	04/05/2016	09:33:00	8.8	0	0000	UNKN RESERVE SHUTDOWN	
36	Reserve Shutdown	04/05/2016	22:15:00	04/06/2016	06:32:00	8.28	0	0000	UNKN RESERVE SHUTDOWN	
37	Reserve Shutdown	04/06/2016	22:11:00	04/07/2016	10:39:00	12.47	0	0000	UNKN RESERVE SHUTDOWN	
38	Reserve Shutdown	04/11/2016	23:42:00	04/12/2016	12:32:00	12.83	0	0000	UNKN RESERVE SHUTDOWN	
39	Reserve Shutdown	04/17/2016	00:11:00	04/17/2016	11:52:00	11.68	0	0000	UNKN RESERVE SHUTDOWN	
40	Reserve Shutdown	04/18/2016	02:08:00	04/18/2016	11:05:00	8.95	0	0000	UNKN RESERVE SHUTDOWN	
41	Reserve Shutdown	04/21/2016	23:48:00	04/22/2016	08:25:00	8.62	0	0000	UNKN RESERVE SHUTDOWN	
42	Reserve Shutdown	04/23/2016	23:14:00	04/24/2016	06:54:00	7.67	0	0000	UNKN RESERVE SHUTDOWN	
43	Full Forced Immed	04/24/2016	07:18:00	04/24/2016	09:22:00	2.07	0	5048	GAST CT tripped on gas temp Hi HI suspect faulty RTD	
44	Reserve Shutdown	04/27/2016	23:22:00	04/28/2016	08:02:00	8.67	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

**Unit: BAYSIDE CT1C      MDC: 158      Run Date: 5/6/2016**

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
45	Reserve Shutdown	04/01/2016	00:00:00	04/01/2016	11:02:00	11.03	0	0000	UNKN	RESERVE SHUTDOWN
46	Reserve Shutdown	04/01/2016	22:59:00	04/02/2016	11:21:00	12.37	0	0000	UNKN	RESERVE SHUTDOWN
47	Reserve Shutdown	04/13/2016	00:07:00	04/13/2016	10:39:00	10.53	0	0000	UNKN	RESERVE SHUTDOWN
48	Reserve Shutdown	04/15/2016	23:35:00	04/16/2016	08:40:00	9.08	0	0000	UNKN	RESERVE SHUTDOWN
49	Reserve Shutdown	04/19/2016	00:19:00	04/19/2016	10:41:00	10.37	0	0000	UNKN	RESERVE SHUTDOWN
50	Reserve Shutdown	04/21/2016	00:11:00	04/21/2016	10:28:00	10.28	0	0000	UNKN	RESERVE SHUTDOWN
51	Reserve Shutdown	04/21/2016	22:09:00	04/21/2016	23:59:00	1.83	0	0000	UNKN	RESERVE SHUTDOWN
52	Maintenance Outage	04/22/2016	00:00:00	04/22/2016	09:14:00	9.23	0	3899	BLPT	Replaced internal parts for FWS V-202 feedwater valve
53	Reserve Shutdown	04/22/2016	09:15:00	04/22/2016	11:49:00	2.57	0	0000	UNKN	RESERVE SHUTDOWN
54	Reserve Shutdown	04/26/2016	23:49:00	04/27/2016	08:06:00	8.28	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

Unit:		BAYSIDE ST2		MDC:		308		Run Date:		5/6/2016	
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	Maintenance Outage	04/22/2016	23:39:00	04/23/2016	08:20:00	8.68	0	3899	BLPT	Repaired condensate flow element and replaced HRSG	

**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

**Unit: BAYSIDE CT2A      MDC: 158      Run Date: 5/6/2016**

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
37	Reserve Shutdown	04/01/2016	00:00:00	04/01/2016	06:23:00	6.38	0	0000	UNKN	RESERVE SHUTDOWN
38	Reserve Shutdown	04/02/2016	14:08:00	04/03/2016	08:26:00	18.3	0	0000	UNKN	RESERVE SHUTDOWN
39	Reserve Shutdown	04/03/2016	21:54:00	04/04/2016	05:39:00	7.75	0	0000	UNKN	RESERVE SHUTDOWN
40	Reserve Shutdown	04/05/2016	23:58:00	04/06/2016	10:52:00	10.9	0	0000	UNKN	RESERVE SHUTDOWN
41	Reserve Shutdown	04/07/2016	22:26:00	04/08/2016	08:09:00	9.72	0	0000	UNKN	RESERVE SHUTDOWN
42	Reserve Shutdown	04/09/2016	19:58:00	04/10/2016	07:28:00	11.5	0	0000	UNKN	RESERVE SHUTDOWN
43	Reserve Shutdown	04/10/2016	23:53:00	04/11/2016	10:55:00	11.03	0	0000	UNKN	RESERVE SHUTDOWN
44	Reserve Shutdown	04/12/2016	02:04:00	04/12/2016	10:39:00	8.58	0	0000	UNKN	RESERVE SHUTDOWN
45	Maintenance Outage	04/14/2016	23:49:00	04/16/2016	19:50:00	44.02	0	3839	BLPT	2A Boiler Fd Pp horizontal joint gasket replacement.
46	Reserve Shutdown	04/16/2016	19:51:00	04/17/2016	09:29:00	13.63	0	0000	UNKN	RESERVE SHUTDOWN
47	Reserve Shutdown	04/17/2016	23:01:00	04/18/2016	08:58:00	9.95	0	0000	UNKN	RESERVE SHUTDOWN
48	Reserve Shutdown	04/18/2016	22:33:00	04/19/2016	12:44:00	14.18	0	0000	UNKN	RESERVE SHUTDOWN
49	Reserve Shutdown	04/19/2016	22:14:00	04/20/2016	06:08:00	7.9	0	0000	UNKN	RESERVE SHUTDOWN
50	Reserve Shutdown	04/20/2016	21:53:00	04/21/2016	05:13:00	7.33	0	0000	UNKN	RESERVE SHUTDOWN
51	Reserve Shutdown	04/22/2016	01:01:00	04/22/2016	09:42:00	8.68	0	0000	UNKN	RESERVE SHUTDOWN
53	Reserve Shutdown	04/22/2016	19:47:00	04/22/2016	23:38:00	3.85	0	0000	UNKN	RESERVE SHUTDOWN
54	Maintenance Outage	04/22/2016	23:39:00	04/23/2016	08:20:00	8.68	0	3899	BLPT	Repaired condensate flow element and replaced HRSG
55	Reserve Shutdown	04/23/2016	08:21:00	04/23/2016	13:18:00	4.95	0	0000	UNKN	RESERVE SHUTDOWN
56	Reserve Shutdown	04/24/2016	04:32:00	04/24/2016	11:25:00	6.88	0	0000	UNKN	RESERVE SHUTDOWN
57	Reserve Shutdown	04/24/2016	23:36:00	04/25/2016	08:03:00	8.45	0	0000	UNKN	RESERVE SHUTDOWN
58	Reserve Shutdown	04/26/2016	22:20:00	04/27/2016	06:05:00	7.75	0	0000	UNKN	RESERVE SHUTDOWN
59	Reserve Shutdown	04/27/2016	21:20:00	04/28/2016	05:58:00	8.63	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

Unit: BAYSIDE CT2B		MDC: 158		Run Date: 5/6/2016						
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
48	Reserve Shutdown	04/08/2016	21:05:00	04/09/2016	07:11:00	10.1	0	0000	UNKN	RESERVE SHUTDOWN
49	Reserve Shutdown	04/10/2016	00:47:00	04/10/2016	13:40:00	12.88	0	0000	UNKN	RESERVE SHUTDOWN
50	Reserve Shutdown	04/11/2016	22:49:00	04/12/2016	06:40:00	7.85	0	0000	UNKN	RESERVE SHUTDOWN
51	Reserve Shutdown	04/12/2016	23:20:00	04/13/2016	08:25:00	9.08	0	0000	UNKN	RESERVE SHUTDOWN
52	Reserve Shutdown	04/13/2016	21:48:00	04/14/2016	06:18:00	8.5	0	0000	UNKN	RESERVE SHUTDOWN
53	Reserve Shutdown	04/16/2016	22:45:00	04/17/2016	13:43:00	14.97	0	0000	UNKN	RESERVE SHUTDOWN
54	Reserve Shutdown	04/18/2016	00:19:00	04/18/2016	12:45:00	12.43	0	0000	UNKN	RESERVE SHUTDOWN
55	Reserve Shutdown	04/20/2016	23:21:00	04/21/2016	08:27:00	9.1	0	0000	UNKN	RESERVE SHUTDOWN
56	Maintenance Outage	04/22/2016	21:35:00	04/23/2016	08:20:00	10.75	0	3899	BLPT	Repaired condensate flow element and replaced HRSG
57	Reserve Shutdown	04/23/2016	08:21:00	04/23/2016	10:04:00	1.72	0	0000	UNKN	RESERVE SHUTDOWN
58	Reserve Shutdown	04/24/2016	01:08:00	04/25/2016	10:16:00	33.13	0	0000	UNKN	RESERVE SHUTDOWN
59	Reserve Shutdown	04/25/2016	23:17:00	04/26/2016	06:43:00	7.43	0	0000	UNKN	RESERVE SHUTDOWN
60	Reserve Shutdown	04/28/2016	22:52:00	04/29/2016	06:01:00	7.15	0	0000	UNKN	RESERVE SHUTDOWN
61	Reserve Shutdown	04/29/2016	22:55:00	04/30/2016	08:02:00	9.12	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

**Unit: BAYSIDE CT2C      MDC: 158      Run Date: 5/6/2016**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
25	Reserve Shutdown	04/02/2016	22:11:00	04/04/2016	08:37:00	34.43	0	0000	UNKN RESERVE SHUTDOWN	
26	Reserve Shutdown	04/04/2016	22:58:00	04/05/2016	12:34:00	13.6	0	0000	UNKN RESERVE SHUTDOWN	
27	Reserve Shutdown	04/05/2016	23:00:00	04/06/2016	07:16:00	8.27	0	0000	UNKN RESERVE SHUTDOWN	
28	Reserve Shutdown	04/06/2016	21:11:00	04/07/2016	08:55:00	11.73	0	0000	UNKN RESERVE SHUTDOWN	
29	Reserve Shutdown	04/07/2016	23:14:00	04/08/2016	10:14:00	11	0	0000	UNKN RESERVE SHUTDOWN	
30	Reserve Shutdown	04/13/2016	22:59:00	04/14/2016	09:59:00	11	0	0000	UNKN RESERVE SHUTDOWN	
31	Reserve Shutdown	04/18/2016	21:41:00	04/19/2016	05:56:00	8.25	0	0000	UNKN RESERVE SHUTDOWN	
32	Reserve Shutdown	04/20/2016	00:28:00	04/20/2016	05:59:00	5.52	0	0000	UNKN RESERVE SHUTDOWN	
33	Maintenance Outage	04/20/2016	06:00:00	04/20/2016	10:54:00	4.9	0	5140	GAST	Maintenance of battery compartment.
34	Reserve Shutdown	04/20/2016	10:55:00	04/20/2016	15:22:00	4.45	0	0000	UNKN RESERVE SHUTDOWN	
35	Reserve Shutdown	04/21/2016	02:05:00	04/21/2016	11:54:00	9.82	0	0000	UNKN RESERVE SHUTDOWN	
36	Reserve Shutdown	04/21/2016	21:15:00	04/22/2016	05:31:00	8.27	0	0000	UNKN RESERVE SHUTDOWN	
37	Reserve Shutdown	04/22/2016	22:37:00	04/22/2016	23:38:00	1.02	0	0000	UNKN RESERVE SHUTDOWN	
38	Maintenance Outage	04/22/2016	23:39:00	04/23/2016	08:20:00	8.68	0	3899	BLPT	Repaired condensate flow element and replaced HRSG
39	Reserve Shutdown	04/23/2016	08:21:00	04/23/2016	14:29:00	6.13	0	0000	UNKN RESERVE SHUTDOWN	
40	Reserve Shutdown	04/24/2016	22:17:00	04/25/2016	06:00:00	7.72	0	0000	UNKN RESERVE SHUTDOWN	
41	Reserve Shutdown	04/25/2016	22:50:00	04/26/2016	10:33:00	11.72	0	0000	UNKN RESERVE SHUTDOWN	
42	Reserve Shutdown	04/26/2016	23:04:00	04/27/2016	09:32:00	10.47	0	0000	UNKN RESERVE SHUTDOWN	
43	Reserve Shutdown	04/27/2016	22:09:00	04/28/2016	09:49:00	11.67	0	0000	UNKN RESERVE SHUTDOWN	
44	Reserve Shutdown	04/28/2016	23:38:00	04/29/2016	10:01:00	10.38	0	0000	UNKN RESERVE SHUTDOWN	
45	Reserve Shutdown	04/29/2016	13:21:00	04/30/2016	10:09:00	20.8	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company  
Outage Listing  
(04/01/2016 - 04/30/2016)**

Unit:		BAYSIDE CT2D		MDC:		158		Run Date:		5/6/2016	
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	
28	Reserve Shutdown	04/01/2016	23:46:00	04/02/2016	09:27:00	9.68	0	0000	UNKN	RESERVE SHUTDOWN	
29	Reserve Shutdown	04/02/2016	23:42:00	04/04/2016	10:50:00	35.13	0	0000	UNKN	RESERVE SHUTDOWN	
30	Reserve Shutdown	04/04/2016	21:59:00	04/05/2016	05:42:00	7.72	0	0000	UNKN	RESERVE SHUTDOWN	
31	Reserve Shutdown	04/10/2016	21:44:00	04/11/2016	05:34:00	7.83	0	0000	UNKN	RESERVE SHUTDOWN	
32	Maintenance Outage	04/15/2016	00:37:00	04/16/2016	14:14:00	37.62	0	3831	BLPT	Weld repairs to LP steam lines.	
33	Reserve Shutdown	04/16/2016	14:15:00	04/16/2016	14:54:00	0.65	0	0000	UNKN	RESERVE SHUTDOWN	
34	Reserve Shutdown	04/17/2016	21:28:00	04/18/2016	05:02:00	7.57	0	0000	UNKN	RESERVE SHUTDOWN	
35	Reserve Shutdown	04/22/2016	18:22:00	04/22/2016	23:38:00	5.27	0	0000	UNKN	RESERVE SHUTDOWN	
36	Maintenance Outage	04/22/2016	23:39:00	04/23/2016	08:20:00	8.68	0	3899	BLPT	Repaired condensate flow element and replaced HRSG	
37	Reserve Shutdown	04/23/2016	08:21:00	04/24/2016	08:13:00	23.87	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
CO	Carbon Monoxide	LP	Low Pressure
CO <sub>2</sub>	Carbon Dioxide	LVDT	Linear Variable Differential Transducer
COS	Carbonyl Sulfide	MAC	Main Air Compressor
CRH	Cold Reheat	MkVIe	Mark 6e GE Logic Controller
CSC	Convective Syngas Coolers	MOC	Motor Operated Control
CT	Combustion Turbine	MOV	Motor Operated Valve
DA	Deaerator	N <sub>2</sub>	Nitrogen
DCS	Digital Control System	PLC	Programmable Logic Controller
EGT	Exit Gas Temperature	Pp	Pump
EH	Electro Hydraulic	R/R	Remove and replace
FAT	Final Absorber Tower	RATA	Relative Accuracy Test Audit
FD	Forced Draft	RSV	Reheat Stop Valve
Fdwtr	Feed water	RTD	Resistance Temperature Device
FGD	Flue Gas Desulfurization	SAP	Sulfuric Acid Plant
GEHO	Manufacturer of Slurry Pump	ST	Steam Turbine
GTG	Gas Turbine Generator	STARSS	Strategic Anti-Rotating Stall Schedule
HP	High Pressure	T/R	Transformer Rectifier
HRSR	Heat Recovery Steam Generator	TC	Thermocouple
HX	Heat Exchanger	WWTL	Water wall tube leak
IAS	Instrument Air Supply	ZBL	Zero Ball Loss condenser cleaning system
ID	Induced Draft		