

# AUSLEY & McMULLEN

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May 25, 2017  
**ELECTRONIC FILING**

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

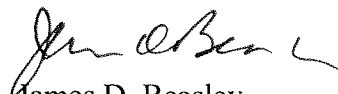
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance  
Incentive Factor; FPSC Docket No. 170001-EI

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 2017.

Thank you for your assistance in connection with this matter.

Sincerely,

  
James D. Beasley

JDB/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, 2017 to the following:

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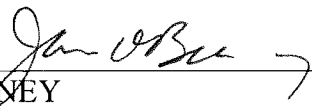
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ATTORNEY

ORIGINAL SHEET NO. 8.401.17A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	99.1	99.5	51.5	0.0									62.1
2. PH	744	672	743	720									2879
3. SH	739.1	672.0	383.1	0.0									1794.2
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	4.9	0.0	359.9	720.0									1084.8
6. POH	0.0	0.0	0.0	0.0									0.0
7. FOH	4.9	0.0	359.9	720.0									1084.8
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PFOH	12.2	12.4	0.0	0.0									24.6
10. LR PF (MW)	47.0	67.5	0.0	0.0									57.3
11. PMOH	5.4	2.1	0.9	0.0									8.4
12. LR PM (MW)	47.0	228.5	218.4	0.0									110.9
13. NSC (MW)	395	395	395	385									395
14. OPR BTU(GBTU)	2174.4504	1909.7752	1030.0702	0.0000									5114.2958
15. NET GEN (MWH)	202470	167343	95573	0									465386
16. ANOHR (BTU/KWH)	10740	11412	10778	0									10989
17. NOF (%)	69.4	63.0	63.2	0.0									65.7
18. NPC (MW)	395	395	395	385									393
19. ANOHR EQUATION	ANOHR = NOF ( -15.843 ) + 12,087												

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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
	JAN 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	
BIG BEND 2													2017
1. EAF (%)	75.0	76.8	55.6	53.9									65.1
2. PH	744	672	743	720									2879
3. SH	583.1	583.0	23.3	415.3									1604.7
4. RSH	24.5	0.0	389.7	0.0									414.2
5. UH	136.4	89.0	330.0	304.7									860.1
6. POH	0.0	0.0	0.0	256.7									256.7
7. FOH	73.4	89.0	330.0	48.0									540.4
8. MOH	63.0	0.0	0.0	0.0									63.0
9. PFOH	293.7	572.9	0.0	413.4									1280.0
10. LR PF (MW)	66.3	44.4	0.0	24.8									43.1
11. PMOH	0.3	5.7	0.0	1.9									7.9
12. LR PM (MW)	206.9	200.5	0.0	189.7									198.2
13. NSC (MW)	395	395	395	385									392
14. OPR BTU(GBTU)	1868.6660	1687.6119	39.4345	1309.0914									4904.8037
15. NET GEN (MWH)	170150	152752	3410	125802									452114
16. ANOHR (BTU/KWH)	10982	11048	11564	10406									10849
17. NOF (%)	73.9	66.3	37.0	78.7									71.8
18. NPC (MW)	395	395	395	385									393
19. ANOHR EQUATION	ANOHR = NOF ( -5.963 ) + 11,063												

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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
	JAN 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	
BIG BEND 3													2017
1. EAF (%)	74.7	79.6	49.6	39.5									60.6
2. PH	744	672	743	720									2879
3. SH	496.5	218.0	230.3	386.5									1331.3
4. RSH	85.4	333.0	160.0	0.0									578.4
5. UH	162.1	121.0	352.7	333.5									969.3
6. POH	0.0	121.0	188.5	0.0									309.5
7. FOH	162.1	0.0	164.2	333.5									659.8
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PFOH	222.2	218.0	104.7	276.5									821.4
10. LR PF (MW)	38.7	29.4	82.9	145.4									77.8
11. PMOH	8.3	0.0	0.7	0.0									8.9
12. LR PM (MW)	211.8	0.0	155.3	0.0									207.5
13. NSC (MW)	400	400	400	395									399
14. OPR BTU(GBTU)	1586.7295	485.7866	723.7081	975.4322									3771.6565
15. NET GEN (MWH)	151724	50703	53355	87729									343511
16. ANOHR BTU/KWH	10458	9581	13564	11119									10980
17. NOF (%)	76.4	58.1	57.9	57.5									64.7
18. NPC (MW)	400	400	400	395									399
19. ANOHR EQUATION	ANOHR = NOF ( -6.885 ) + 11,168												

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ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	58.3	84.9	78.7	78.8									74.9
2. PH	744	672	743	720									2879
3. SH	443.6	582.3	603.5	617.2									2246.6
4. RSH	92.5	19.9	30.9	0.0									143.3
5. UH	207.9	69.8	108.6	102.8									489.2
6. POH	0.0	0.0	0.0	0.0									0.0
7. FOH	207.9	69.8	0.0	102.8									380.5
8. MOH	0.0	0.0	108.6	0.0									108.6
9. PFOH	409.3	121.9	601.6	374.5									1507.3
10. LR PF (MW)	99.1	100.7	35.5	46.8									60.8
11. PMOH	23.7	7.9	1.9	20.8									54.2
12. LR PM (MW)	190.8	227.0	234.2	205.9									203.3
13. NSC (MW)	442	442	442	437									441
14. OPR BTU(GBTU)	1421.8362	1988.2765	1901.4028	2252.1482									7563.6636
15. NET GEN (MWH)	135022	190073	179206	214373									718674
16. ANOHR BTU/KWH	10530	10461	10610	10506									10524
17. NOF (%)	68.9	73.9	67.2	79.5									72.6
18. NPC (MW)	442	442	442	437									441
19. ANOHR EQUATION	ANOHR = NOF ( -4.982 ) + 10,856												

ORIGINAL SHEET NO. 8.401.17A  
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ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	100.0	99.3	95.3	100.0									98.6
2. PH	744	672	743	720									2879
3. SH	744.0	667.1	708.0	720.0									2839.1
4. RSH	0.0	0.0	0.0	0.0									0.0
5. UH	0.0	4.9	35.0	0.0									39.9
6. POH	0.0	0.0	0.0	0.0									0.0
7. FOH	0.0	4.9	35.0	0.0									39.9
8. MOH	0.0	0.0	0.0	0.0									0.0
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)	1565.3848	1450.1380	1543.4379	1710.0220									6268.9827
15. NET GEN (MWH)	155821	143609	165125	176605									641160
16. ANOHR BTU/KWH	10046	10098	9347	9683									9778
17. NOF (%)	95.2	97.9	106.0	111.5									102.7
18. NPC (MW)	220	220	220	220									220
19. ANOHR EQUATION	ANOHR = NOF ( 9.523 ) + 9,121												

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	98.0	80.9	0.0	58.7									59.0
2. PH	744	672	743	720									2879
3. SH	744.0	462.9	0.0	507.9									1714.8
4. RSH	0.0	204.8	0.0	16.3									221.1
5. UH	0.0	4.3	743.0	195.8									943.1
6. POH	0.0	1.3	743.0	167.3									911.6
7. FOH	0.0	0.0	0.0	24.7									24.7
8. MOH	0.0	3.0	0.0	3.8									6.9
9. PFOH	37.2	4.1	0.0	40.8									82.0
10. LR PF (MW)	264.0	264.0	0.0	224.6									244.4
11. PMOH	7.8	369.1	743.0	782.6									1902.5
12. LR PM (MW)	264.0	264.0	0.0	79.5									85.0
13. NSC (MW)	792	792	792	701									765
14. OPR BTU(GBTU)	1578.1580	970.4530	0.0000	1237.6590									3786.2700
15. NET GEN (MWH)	197576	119609	-274	161007									477918
16. ANOHR (BTU/KWH)	7988	8114	0	7687									7922
17. NOF (%)	33.5	32.6	0.0	45.2									36.4
18. NPC (MW)	792	792	792	701									769
19. ANOHR EQUATION	ANOHR = NOF (-9.906) + 8,039												

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2017 - DECEMBER 2017

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
	JAN 17	FEB 17	MAR 17	APR 17	MAY 17	JUN 17	JUL 17	AUG 17	SEP 17	OCT 17	NOV 17	DEC 17	2017
1. EAF (%)	65.3	46.3	97.5	97.0									77.1
2. PH	744	672	743	720									2879
3. SH	527.1	298.7	738.1	720.0									2283.9
4. RSH	0.0	42.3	0.0	0.0									42.3
5. UH	216.9	331.0	4.9	0.0									552.8
6. POH	216.9	312.3	0.0	0.0									529.2
7. FOH	0.0	18.7	4.9	0.0									23.6
8. MOH	0.0	0.0	0.0	0.0									0.0
9. PFOH	14.7	67.9	0.0	71.4									154.0
10. LR PF (MW)	261.8	104.5	0.0	232.3									178.8
11. PMOH	150.4	91.2	53.6	14.7									309.8
12. LR PM (MW)	261.8	261.8	261.8	232.3									260.4
13. NSC (MW)	1047	1047	1047	929									1010
14. OPR BTU(GBTU)	1250.4170	1166.1780	2519.0980	2460.5630									7396.2560
15. NET GEN (MWH)	157433	146101	318307	313417									935258
16. ANOHR (BTU/KWH)	7943	7982	7914	7851									7908
17. NOF (%)	28.5	46.7	41.2	46.9									40.6
18. NPC (MW)	1047	1047	1047	929									1018
19. ANOHR EQUATION	ANOHR = NOF ( -7.777 ) + 7,937												

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**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

Unit:		BIG BEND 1		MDC:		410		Run Date:		5/16/2017	
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	
23	Full Forced Delayed	04/01/2017	00:01:00	05/01/2017	00:00:00	719.98	0	4289	TURB	Suspected turbine oil contamination.	

**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

**Unit: BIG BEND 2      MDC: 410      Run Date: 5/16/2017**

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	Full Forced Delayed	03/19/2017	09:40:00	04/02/2017	23:59:00	47.98	0	4580	GEN	Loss of hydrogen due to end bell plug failure
57	Partial Forced Immed	04/02/2017	23:59:00	04/06/2017	09:50:00	81.85	390	8812	NOx	High differential pressure indication across catalyst
58	Partial Forced Immed	04/06/2017	09:50:00	04/06/2017	21:00:00	11.17	385	8812	NOx	High differential pressure indication across catalyst
59	Planned Derating	04/06/2017	21:00:00	04/06/2017	22:30:00	1.5	210	1470	BLR	A ID Fan VFD card replacement
60	Partial Forced Immed	04/06/2017	22:30:00	04/07/2017	00:01:00	1.52	390	8812	NOx	High differential pressure indication across catalyst
61	Partial Forced Immed	04/07/2017	00:01:00	04/11/2017	12:30:00	108.48	385	8812	NOx	High differential pressure indication across catalyst
62	Noncurtailing	04/11/2017	12:30:00	04/11/2017	18:00:00	5.5	375	8551	POLL	Particulate matter limit.
63	Partial Forced Immed	04/11/2017	18:00:00	04/11/2017	19:30:00	1.5	385	8812	NOx	High differential pressure indication across catalyst
64	Noncurtailing	04/11/2017	19:30:00	04/11/2017	21:10:00	1.67	365	8551	POLL	Particulate matter limit.
65	Partial Forced Immed	04/11/2017	21:10:00	04/14/2017	01:15:00	52.08	385	8812	NOx	High differential pressure indication across catalyst
66	Partial Maintenance	04/14/2017	01:15:00	04/14/2017	01:38:00	0.38	200	4268	TURB	Main Turbine valve testing
67	Partial Forced Immed	04/14/2017	01:38:00	04/14/2017	14:30:00	12.87	385	8812	NOx	High differential pressure indication across catalyst
68	Partial Forced Immed	04/14/2017	14:30:00	04/15/2017	11:22:00	20.87	380	8812	NOx	High differential pressure indication across catalyst
69	Partial Forced Immed	04/15/2017	11:22:00	04/17/2017	06:00:00	42.63	375	8812	NOx	High differential pressure indication across catalyst
70	Partial Forced Immed	04/17/2017	06:00:00	04/20/2017	07:19:00	73.32	380	8812	NOx	High differential pressure indication across catalyst
71	Planned Outage	04/20/2017	07:19:00	05/04/2017	06:00:00	256.68	0	8812	NOx	Catalyst replacement

**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

Unit:		BIG BEND 3		MDC:		420		Run Date:		5/16/2017	
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	Full Forced Delayed	03/25/2017	21:27:00	04/04/2017	10:54:00	82.9	0	3170	COND	Condenser tube inspection.	
29	Partial Forced Immed	04/04/2017	10:54:00	04/04/2017	11:16:00	0.37	175	1512	BLR	ID Fans outlet duct expansion joint leak. Natural gas o	
30	Full Forced Immed	04/04/2017	11:16:00	04/04/2017	14:08:00	2.87	0	3661	BLPT	304W opened causing loss of power to igniters	
31	Partial Forced Immed	04/04/2017	14:08:00	04/06/2017	00:20:00	34.2	205	1512	BLR	ID Fans outlet duct expansion joint leak. Natural gas o	
32	Full Forced Postponed	04/06/2017	00:20:00	04/16/2017	08:05:00	247.75	0	1512	BLR	ID Fans outlet duct expansion joint leak repairs.	
33	Partial Forced Immed	04/16/2017	08:05:00	04/21/2017	17:00:00	128.92	200	1512	BLR	ID Fans outlet duct expansion joint leak. Natural gas o	
34	Partial Forced Immed	04/21/2017	17:00:00	04/24/2017	03:00:00	58	375	1455	BLR	B ID Fan high vibration indication	
35	Partial Forced Immed	04/24/2017	03:00:00	04/24/2017	10:25:00	7.42	370	1455	BLR	B ID Fan high vibration indication	
36	Partial Forced Immed	04/24/2017	10:25:00	04/25/2017	17:18:00	30.88	400	1455	BLR	B ID Fan high vibration indication. Engineering increas	
37	Partial Forced Immed	04/25/2017	17:18:00	04/25/2017	20:30:00	3.2	300	1470	BLR	B ID fan tripped due to motor high vibration.	
38	Partial Forced Delayed	04/30/2017	10:30:00	05/01/2017	15:00:00	13.5	200	0790	BLR	Reheat line snubber / I-beam bent.	

**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

Unit:		BIG BEND 4		MDC:		470		Run Date:		5/16/2017	
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	Partial Forced Immed	03/31/2017	14:25:00	04/01/2017	09:40:00	9.67	440	1170	BLR	High APH outlet temperature indications.Suspect back	
68	Partial Forced Immed	04/01/2017	09:40:00	04/01/2017	12:15:00	2.58	445	1170	BLR	High APH outlet temperature indications.Suspect back	
69	Partial Forced Immed	04/01/2017	12:15:00	04/01/2017	17:00:00	4.75	435	1170	BLR	High APH outlet temperature indications.Suspect back	
70	Partial Forced Immed	04/01/2017	17:00:00	04/02/2017	12:20:00	19.33	425	1170	BLR	High APH outlet temperature indications.Suspect back	
71	Partial Forced Immed	04/02/2017	12:20:00	04/02/2017	14:00:00	1.67	415	1170	BLR	High APH outlet temperature indications.Suspect back	
72	Partial Forced Immed	04/02/2017	14:00:00	04/11/2017	08:15:00	210.25	425	1170	BLR	High APH outlet temperature indications.Suspect back	
73	Partial Forced Immed	04/11/2017	08:15:00	04/12/2017	07:25:00	23.17	420	1170	BLR	High APH outlet temperature indications.Suspect back	
74	Partial Forced Immed	04/12/2017	07:25:00	04/12/2017	14:30:00	7.08	415	8825	NOx	SCR inlet temperature limit (800 deg)	
75	Partial Forced Immed	04/12/2017	14:30:00	04/12/2017	18:00:00	3.5	410	1170	BLR	High APH outlet temperature indications.Suspect back	
76	Partial Forced Immed	04/12/2017	18:00:00	04/13/2017	10:15:00	16.25	425	1170	BLR	High APH outlet temperature indications.Suspect back	
77	Partial Forced Immed	04/13/2017	10:15:00	04/14/2017	14:30:00	28.25	420	1170	BLR	High APH outlet temperature indications.Suspect back	
78	Partial Forced Immed	04/14/2017	14:30:00	04/14/2017	20:07:00	5.62	415	1170	BLR	High APH outlet temperature indications.Suspect back	
79	Partial Forced Immed	04/14/2017	20:07:00	04/14/2017	21:00:00	0.88	405	1170	BLR	High APH outlet temperature indications.Suspect back	
80	Partial Forced Immed	04/14/2017	21:00:00	04/15/2017	00:17:00	3.28	420	1170	BLR	High APH outlet temperature indications.Suspect back	
81	Full Forced Delayed	04/15/2017	00:17:00	04/19/2017	07:06:00	102.82	0	3851	BLPT	Instrument air line leak	
82	Partial Forced Immed	04/19/2017	07:06:00	04/19/2017	16:45:00	9.65	430	1170	BLR	High APH outlet temperature indications.Suspect back	
83	Partial Forced Immed	04/19/2017	16:45:00	04/19/2017	19:20:00	2.58	440	8262	POLL	C Booster fan high vibration	
84	Partial Forced Immed	04/19/2017	19:20:00	04/19/2017	20:15:00	0.92	415	8262	POLL	C Booster fan high vibration	
85	Partial Forced Immed	04/19/2017	20:15:00	04/19/2017	23:55:00	3.67	400	8262	POLL	C Booster fan high vibration	
86	Partial Forced Immed	04/19/2017	23:55:00	04/20/2017	17:30:00	17.58	350	8262	POLL	C Booster fan high vibration	
87	Partial Forced Immed	04/20/2017	17:30:00	04/20/2017	19:15:00	1.75	325	8262	POLL	C Booster fan high vibration	
88	Partial Forced Immed	04/20/2017	19:15:00	04/20/2017	21:19:00	2.07	300	8262	POLL	C Booster fan high vibration	
89	Planned Derating	04/20/2017	21:19:00	04/21/2017	16:53:00	19.57	250	8262	POLL	C Booster fan removed from service for balance shot	
91	Partial Maintenance	04/23/2017	01:19:00	04/23/2017	02:30:00	1.18	225	4268	TURB	Main Turbine valve testing	

**Tampa Electric Company  
Outage Listing**

(04/01/2017 - 04/30/2017)

**Unit: POLK 1      MDC: 290      Run Date: 5/16/2017**

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
2	Noncurtailing	01/01/2017	12:32:00	01/01/2018	00:00:00	720	0	5079	GAST	Flame instability between 100 - 145MW's on gas
9	Noncurtailing	04/08/2017	12:00:00	04/08/2017	13:00:00	1	0	5049	GAST	7A, Decomp Trip, SOV for AGR trip valve failed,

**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

Unit:		BAYSIDE ST1		MDC:		236		Run Date:		5/16/2017	
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	Planned Outage	04/01/2017	00:01:00	04/07/2017	23:20:00	167.32	0	5260	GAST	Unit 1 spring 2017 outage - major CT overhaul	
6	Reserve Shutdown	04/07/2017	23:21:00	04/08/2017	13:43:00	14.37	0	0000	UNKN	RESERVE SHUTDOWN	
7	Full Forced Immed	04/08/2017	13:44:00	04/09/2017	08:09:00	18.42	0	4313	TURB	DCS logic block issue - speed to load control swap iss	
8	Reserve Shutdown	04/09/2017	08:10:00	04/09/2017	10:04:00	1.9	0	0000	UNKN	RESERVE SHUTDOWN	
9	Full Forced Immed	04/09/2017	10:09:00	04/09/2017	14:07:00	3.97	0	4313	TURB	DCS logic block issue - speed to load control swap iss	
10	Full Forced Immed	04/09/2017	14:20:00	04/09/2017	15:03:00	0.72	0	4313	TURB	DCS logic block issue - speed to load control swap iss	
11	Maintenance Outage	04/13/2017	02:21:00	04/13/2017	03:57:00	1.6	0	4460	TURB	Overspeed trip test on ST1.	
12	Full Forced Immed	04/22/2017	01:35:00	04/22/2017	03:10:00	1.58	0	4460	TURB	1B CT tripped offline (high temp spread) right before o	
13	Maintenance Outage	04/22/2017	03:11:00	04/22/2017	05:25:00	2.23	0	4460	TURB	Overspeed trip test on ST1.	



**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

**Unit: BAYSIDE CT1A      MDC: 158      Run Date: 5/16/2017**

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
26	Planned Outage	04/01/2017	00:01:00	04/07/2017	23:20:00	167.32	0	5260	GAST	Unit 1 spring 2017 outage - major CT overhaul
27	Reserve Shutdown	04/07/2017	23:21:00	04/10/2017	07:46:00	56.42	0	0000	UNKN	RESERVE SHUTDOWN
28	Full Forced Immed	04/10/2017	08:41:00	04/10/2017	10:47:00	2.1	0	5048	GAST	Flame-out on the 1A CT.
29	Reserve Shutdown	04/10/2017	21:57:00	04/11/2017	16:54:00	18.95	0	0000	UNKN	RESERVE SHUTDOWN
30	Reserve Shutdown	04/11/2017	21:02:00	04/12/2017	09:32:00	12.5	0	0000	UNKN	RESERVE SHUTDOWN
31	Reserve Shutdown	04/12/2017	21:13:00	04/13/2017	05:29:00	8.27	0	0000	UNKN	RESERVE SHUTDOWN
32	Maintenance Outage	04/13/2017	05:30:00	04/13/2017	10:31:00	5.02	0	5041	GAST	Replaced leaking gas pipe flange gaskets in 1A CT tur
33	Reserve Shutdown	04/13/2017	10:32:00	04/13/2017	11:51:00	1.32	0	0000	UNKN	RESERVE SHUTDOWN
34	Reserve Shutdown	04/13/2017	19:34:00	04/15/2017	12:30:00	40.93	0	0000	UNKN	RESERVE SHUTDOWN
35	Reserve Shutdown	04/15/2017	18:30:00	04/16/2017	14:16:00	19.77	0	0000	UNKN	RESERVE SHUTDOWN
36	Reserve Shutdown	04/16/2017	22:23:00	04/17/2017	02:00:00	3.62	0	0000	UNKN	RESERVE SHUTDOWN
37	Maintenance Outage	04/17/2017	02:01:00	04/17/2017	15:15:00	13.23	0	5041	GAST	Replaced leaking gas pipe flange gaskets in 1A CT tur
38	Reserve Shutdown	04/17/2017	15:16:00	04/18/2017	09:45:00	18.48	0	0000	UNKN	RESERVE SHUTDOWN
39	Reserve Shutdown	04/18/2017	22:33:00	04/19/2017	11:53:00	13.33	0	0000	UNKN	RESERVE SHUTDOWN
40	Full Forced Immed	04/19/2017	11:59:00	04/20/2017	08:25:00	20.43	0	5041	GAST	Fuel gas leak on a flex hose going to can no. 8 on the
41	Reserve Shutdown	04/20/2017	08:26:00	04/20/2017	10:14:00	1.8	0	0000	UNKN	RESERVE SHUTDOWN
42	Reserve Shutdown	04/21/2017	21:38:00	04/22/2017	03:10:00	5.53	0	0000	UNKN	RESERVE SHUTDOWN
43	Reserve Shutdown	04/22/2017	23:09:00	04/23/2017	10:52:00	11.72	0	0000	UNKN	RESERVE SHUTDOWN
44	Reserve Shutdown	04/23/2017	23:46:00	04/24/2017	06:39:00	6.88	0	0000	UNKN	RESERVE SHUTDOWN
45	Reserve Shutdown	04/24/2017	21:11:00	04/25/2017	13:08:00	15.95	0	0000	UNKN	RESERVE SHUTDOWN
46	Reserve Shutdown	04/25/2017	22:19:00	04/26/2017	09:44:00	11.42	0	0000	UNKN	RESERVE SHUTDOWN
47	Reserve Shutdown	04/26/2017	21:19:00	04/27/2017	08:39:00	11.33	0	0000	UNKN	RESERVE SHUTDOWN
48	Reserve Shutdown	04/27/2017	21:34:00	04/28/2017	07:37:00	10.05	0	0000	UNKN	RESERVE SHUTDOWN
49	Reserve Shutdown	04/28/2017	21:43:00	04/29/2017	08:34:00	10.85	0	0000	UNKN	RESERVE SHUTDOWN
50	Reserve Shutdown	04/29/2017	21:20:00	04/30/2017	10:05:00	12.75	0	0000	UNKN	RESERVE SHUTDOWN
51	Reserve Shutdown	04/30/2017	22:13:00	04/30/2017	23:59:00	1.77	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

**Unit: BAYSIDE CT1B      MDC: 158      Run Date: 5/16/2017**

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
26	Planned Outage	04/01/2017	00:01:00	04/17/2017	10:06:00	394.08	0	5260	GAST	Unit 1 spring 2017 outage - major CT overhaul
27	Reserve Shutdown	04/17/2017	10:07:00	04/17/2017	10:49:00	0.7	0	0000	UNKN	RESERVE SHUTDOWN
28	Reserve Shutdown	04/17/2017	21:58:00	04/17/2017	22:23:00	0.42	0	0000	UNKN	RESERVE SHUTDOWN
29	Maintenance Outage	04/17/2017	22:24:00	04/18/2017	15:00:00	16.6	0	5120	GAST	Hydraulic lift oil issue on 1B CT.
30	Reserve Shutdown	04/20/2017	00:47:00	04/20/2017	08:51:00	8.07	0	0000	UNKN	RESERVE SHUTDOWN
31	Reserve Shutdown	04/21/2017	00:53:00	04/21/2017	11:54:00	11.02	0	0000	UNKN	RESERVE SHUTDOWN
32	Full Forced Immed	04/21/2017	11:56:00	04/21/2017	20:11:00	8.25	0	5079	GAST	High exhaust spread differential trip. Combustion probl
33	Full Forced Immed	04/22/2017	01:34:00	04/22/2017	09:56:00	8.37	0	5079	GAST	High exhaust spread differential trip. Combustion probl
34	Reserve Shutdown	04/22/2017	09:57:00	04/22/2017	10:20:00	0.38	0	0000	UNKN	RESERVE SHUTDOWN
35	Full Forced Immed	04/22/2017	10:27:00	04/22/2017	12:06:00	1.65	0	5079	GAST	High exhaust spread differential trip. Combustion probl
36	Reserve Shutdown	04/25/2017	21:29:00	04/26/2017	11:40:00	14.18	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

**Unit: BAYSIDE CT1C      MDC: 158      Run Date: 5/16/2017**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
3	Planned Outage	02/15/2017	19:09:00	04/07/2017	23:20:00	167.33	0	5260	GAST	Unit 1 spring 2017 outage - major CT overhaul
6	Reserve Shutdown	04/08/2017	13:44:00	04/09/2017	08:29:00	18.75	0	0000	UNKN	RESERVE SHUTDOWN
7	Reserve Shutdown	04/18/2017	23:10:00	04/19/2017	10:29:00	11.32	0	0000	UNKN	RESERVE SHUTDOWN
8	Reserve Shutdown	04/20/2017	23:45:00	04/21/2017	08:59:00	9.23	0	0000	UNKN	RESERVE SHUTDOWN
9	Reserve Shutdown	04/21/2017	22:32:00	04/23/2017	14:22:00	39.83	0	0000	UNKN	RESERVE SHUTDOWN
10	Maintenance Outage	04/23/2017	19:17:00	04/24/2017	23:00:00	27.72	0	5261	GAST	Waterwash for 1C CT.
11	Reserve Shutdown	04/24/2017	23:01:00	04/25/2017	10:53:00	11.87	0	0000	UNKN	RESERVE SHUTDOWN
12	Reserve Shutdown	04/26/2017	22:03:00	04/27/2017	10:17:00	12.23	0	0000	UNKN	RESERVE SHUTDOWN
13	Reserve Shutdown	04/27/2017	22:43:00	04/28/2017	10:23:00	11.67	0	0000	UNKN	RESERVE SHUTDOWN
14	Reserve Shutdown	04/28/2017	22:28:00	04/29/2017	10:09:00	11.68	0	0000	UNKN	RESERVE SHUTDOWN
15	Reserve Shutdown	04/29/2017	21:34:00	04/30/2017	10:47:00	13.22	0	0000	UNKN	RESERVE SHUTDOWN
16	Reserve Shutdown	04/30/2017	22:42:00	04/30/2017	23:59:00	1.28	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

<b>Unit:</b>	<b>BAYSIDE ST2</b>	<b>MDC:</b>	<b>308</b>							<b>Run Date:</b>	<b>5/16/2017</b>
<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>	
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EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC	

**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

**Unit: BAYSIDE CT2A      MDC: 158      Run Date: 5/16/2017**

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
44	Reserve Shutdown	04/01/2017	00:23:00	04/01/2017	10:12:00	9.82	0	0000	UNKN RESERVE SHUTDOWN	
45	Reserve Shutdown	04/02/2017	00:48:00	04/02/2017	08:31:00	7.72	0	0000	UNKN RESERVE SHUTDOWN	
46	Reserve Shutdown	04/03/2017	01:11:00	04/03/2017	10:18:00	9.12	0	0000	UNKN RESERVE SHUTDOWN	
47	Reserve Shutdown	04/04/2017	00:26:00	04/04/2017	08:50:00	8.4	0	0000	UNKN RESERVE SHUTDOWN	
48	Reserve Shutdown	04/04/2017	23:30:00	04/05/2017	10:30:00	11	0	0000	UNKN RESERVE SHUTDOWN	
49	Reserve Shutdown	04/06/2017	23:19:00	04/07/2017	13:23:00	14.07	0	0000	UNKN RESERVE SHUTDOWN	
50	Reserve Shutdown	04/08/2017	19:51:00	04/09/2017	09:11:00	13.33	0	0000	UNKN RESERVE SHUTDOWN	
51	Reserve Shutdown	04/09/2017	22:28:00	04/10/2017	13:21:00	14.88	0	0000	UNKN RESERVE SHUTDOWN	
52	Reserve Shutdown	04/10/2017	19:36:00	04/11/2017	10:54:00	15.3	0	0000	UNKN RESERVE SHUTDOWN	
53	Reserve Shutdown	04/11/2017	22:58:00	04/12/2017	11:42:00	12.73	0	0000	UNKN RESERVE SHUTDOWN	
54	Reserve Shutdown	04/12/2017	22:59:00	04/13/2017	14:10:00	15.18	0	0000	UNKN RESERVE SHUTDOWN	
55	Reserve Shutdown	04/13/2017	22:46:00	04/14/2017	11:02:00	12.27	0	0000	UNKN RESERVE SHUTDOWN	
56	Reserve Shutdown	04/15/2017	00:53:00	04/15/2017	10:55:00	10.03	0	0000	UNKN RESERVE SHUTDOWN	
57	Reserve Shutdown	04/15/2017	23:41:00	04/16/2017	10:20:00	10.65	0	0000	UNKN RESERVE SHUTDOWN	
58	Reserve Shutdown	04/16/2017	23:55:00	04/17/2017	08:55:00	9	0	0000	UNKN RESERVE SHUTDOWN	
59	Reserve Shutdown	04/17/2017	23:58:00	04/18/2017	10:52:00	10.9	0	0000	UNKN RESERVE SHUTDOWN	
60	Reserve Shutdown	04/19/2017	00:28:00	04/19/2017	12:55:00	12.45	0	0000	UNKN RESERVE SHUTDOWN	
61	Reserve Shutdown	04/19/2017	21:58:00	04/20/2017	11:44:00	13.77	0	0000	UNKN RESERVE SHUTDOWN	
62	Reserve Shutdown	04/20/2017	21:20:00	04/21/2017	10:30:00	13.17	0	0000	UNKN RESERVE SHUTDOWN	
63	Reserve Shutdown	04/22/2017	01:32:00	04/22/2017	10:58:00	9.43	0	0000	UNKN RESERVE SHUTDOWN	
64	Reserve Shutdown	04/22/2017	21:45:00	04/23/2017	11:43:00	13.97	0	0000	UNKN RESERVE SHUTDOWN	
65	Reserve Shutdown	04/23/2017	21:07:00	04/24/2017	08:04:00	10.95	0	0000	UNKN RESERVE SHUTDOWN	
66	Full Forced Immed	04/24/2017	08:05:00	04/24/2017	14:16:00	6.18	0	5246	GAST	Failure of MARK VI 'R' Core Processor cards slot 21 a
67	Reserve Shutdown	04/24/2017	14:17:00	04/24/2017	22:31:00	8.23	0	0000	UNKN RESERVE SHUTDOWN	
68	Maintenance Outage	04/24/2017	22:32:00	04/25/2017	13:13:00	14.68	0	5247	GAST	Troubleshooting of electrical ground in DC control syst
69	Reserve Shutdown	04/25/2017	13:14:00	04/25/2017	16:00:00	2.77	0	0000	UNKN RESERVE SHUTDOWN	
70	Reserve Shutdown	04/25/2017	22:57:00	04/26/2017	15:04:00	16.12	0	0000	UNKN RESERVE SHUTDOWN	
71	Reserve Shutdown	04/26/2017	22:30:00	04/27/2017	11:45:00	13.25	0	0000	UNKN RESERVE SHUTDOWN	
72	Reserve Shutdown	04/27/2017	23:38:00	04/28/2017	09:39:00	10.02	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

**Unit: BAYSIDE CT2B      MDC: 158      Run Date: 5/16/2017**

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
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EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
45	Reserve Shutdown	04/01/2017	00:01:00	04/01/2017	08:28:00	8.45	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
46	Reserve Shutdown	04/01/2017	23:08:00	04/02/2017	09:55:00	10.78	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
47	Reserve Shutdown	04/03/2017	00:04:00	04/03/2017	07:16:00	7.2	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
48	Reserve Shutdown	04/04/2017	22:43:00	04/05/2017	09:28:00	10.75	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
49	Reserve Shutdown	04/07/2017	22:26:00	04/08/2017	09:46:00	11.33	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
50	Reserve Shutdown	04/09/2017	23:30:00	04/10/2017	15:21:00	15.85	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
51	Reserve Shutdown	04/10/2017	22:33:00	04/11/2017	12:58:00	14.42	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
52	Reserve Shutdown	04/13/2017	21:47:00	04/14/2017	09:38:00	11.85	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
53	Reserve Shutdown	04/14/2017	21:40:00	04/15/2017	06:29:00	8.82	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
54	Reserve Shutdown	04/15/2017	22:30:00	04/16/2017	09:02:00	10.53	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
55	Reserve Shutdown	04/16/2017	23:06:00	04/17/2017	06:08:00	7.03	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
56	Reserve Shutdown	04/17/2017	22:58:00	04/18/2017	07:35:00	8.62	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
57	Reserve Shutdown	04/20/2017	22:06:00	04/21/2017	06:27:00	8.35	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
58	Reserve Shutdown	04/21/2017	23:17:00	04/22/2017	09:45:00	10.47	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
59	Reserve Shutdown	04/22/2017	20:59:00	04/23/2017	09:27:00	12.47	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
60	Reserve Shutdown	04/27/2017	23:04:00	04/28/2017	11:20:00	12.27	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
61	Reserve Shutdown	04/29/2017	00:08:00	04/29/2017	10:05:00	9.95	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
62	Reserve Shutdown	04/30/2017	00:29:00	04/30/2017	10:28:00	9.98	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

**Unit: BAYSIDE CT2C      MDC: 158      Run Date: 5/16/2017**

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	Reserve Shutdown	04/03/2017	22:58:00	04/04/2017	06:10:00	7.2	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
31	Reserve Shutdown	04/05/2017	23:03:00	04/09/2017	14:16:00	87.22	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
32	Reserve Shutdown	04/11/2017	21:45:00	04/12/2017	13:58:00	16.22	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
33	Reserve Shutdown	04/12/2017	22:15:00	04/13/2017	10:18:00	12.05	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
34	Reserve Shutdown	04/19/2017	00:12:00	04/19/2017	12:22:00	12.17	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
35	Reserve Shutdown	04/19/2017	23:10:00	04/20/2017	12:44:00	13.57	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
36	Reserve Shutdown	04/23/2017	23:05:00	04/24/2017	09:51:00	10.77	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
37	Reserve Shutdown	04/24/2017	22:00:00	04/26/2017	13:31:00	39.52	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
38	Reserve Shutdown	04/26/2017	23:31:00	04/27/2017	11:01:00	11.5	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
39	Reserve Shutdown	04/28/2017	23:24:00	04/29/2017	11:40:00	12.27	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
40	Reserve Shutdown	04/29/2017	22:39:00	04/30/2017	11:26:00	12.78	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN

**Tampa Electric Company  
Outage Listing  
(04/01/2017 - 04/30/2017)**

**Unit: BAYSIDE CT2D      MDC: 158      Run Date: 5/16/2017**

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
40	Reserve Shutdown	04/01/2017	00:01:00	04/01/2017	11:40:00	11.65	0	0000	UNKN	RESERVE SHUTDOWN
41	Reserve Shutdown	04/01/2017	22:09:00	04/02/2017	11:44:00	13.58	0	0000	UNKN	RESERVE SHUTDOWN
42	Reserve Shutdown	04/02/2017	23:23:00	04/03/2017	06:18:00	6.92	0	0000	UNKN	RESERVE SHUTDOWN
43	Reserve Shutdown	04/03/2017	22:27:00	04/04/2017	10:34:00	12.12	0	0000	UNKN	RESERVE SHUTDOWN
44	Reserve Shutdown	04/04/2017	22:06:00	04/05/2017	11:19:00	13.22	0	0000	UNKN	RESERVE SHUTDOWN
45	Reserve Shutdown	04/05/2017	21:34:00	04/11/2017	14:29:00	136.92	0	0000	UNKN	RESERVE SHUTDOWN
46	Full Forced Immed	04/11/2017	14:47:00	04/14/2017	08:02:00	65.25	0	3831	BLPT	Weld repairs to HRH drain line on 2D HRSG.
47	Reserve Shutdown	04/14/2017	08:03:00	04/14/2017	12:31:00	4.47	0	0000	UNKN	RESERVE SHUTDOWN
48	Reserve Shutdown	04/14/2017	18:41:00	04/15/2017	12:42:00	18.02	0	0000	UNKN	RESERVE SHUTDOWN
49	Reserve Shutdown	04/15/2017	21:25:00	04/16/2017	12:18:00	14.88	0	0000	UNKN	RESERVE SHUTDOWN
50	Reserve Shutdown	04/16/2017	18:51:00	04/17/2017	10:47:00	15.93	0	0000	UNKN	RESERVE SHUTDOWN
51	Reserve Shutdown	04/17/2017	21:24:00	04/18/2017	12:14:00	14.83	0	0000	UNKN	RESERVE SHUTDOWN
52	Reserve Shutdown	04/18/2017	21:11:00	04/19/2017	06:41:00	9.5	0	0000	UNKN	RESERVE SHUTDOWN
53	Reserve Shutdown	04/19/2017	21:10:00	04/20/2017	05:55:00	8.75	0	0000	UNKN	RESERVE SHUTDOWN
54	Reserve Shutdown	04/20/2017	22:56:00	04/21/2017	12:24:00	13.47	0	0000	UNKN	RESERVE SHUTDOWN
55	Reserve Shutdown	04/21/2017	21:07:00	04/23/2017	12:35:00	39.47	0	0000	UNKN	RESERVE SHUTDOWN
56	Reserve Shutdown	04/23/2017	21:51:00	04/24/2017	12:19:00	14.47	0	0000	UNKN	RESERVE SHUTDOWN
57	Reserve Shutdown	04/24/2017	19:26:00	04/27/2017	12:34:00	65.13	0	0000	UNKN	RESERVE SHUTDOWN
58	Reserve Shutdown	04/27/2017	22:01:00	04/28/2017	12:01:00	14	0	0000	UNKN	RESERVE SHUTDOWN
59	Reserve Shutdown	04/28/2017	23:03:00	04/29/2017	12:26:00	13.38	0	0000	UNKN	RESERVE SHUTDOWN
60	Reserve Shutdown	04/29/2017	22:02:00	04/30/2017	22:00:00	23.97	0	0000	UNKN	RESERVE SHUTDOWN
61	Reserve Shutdown	04/30/2017	23:35:00	04/30/2017	23:59:00	0.4	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		