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February 27, 2017

ELECTRONIC FILING

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

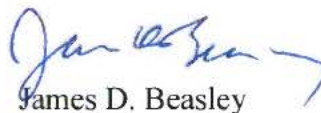
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance
Incentive Factor; FPSC Docket No. 170001-EI

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 January 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 27th day of February, 2017 to the following:

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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												99.1
2. PH	744												744
3. SH	739.1												739.1
4. RSH	0.0												0.0
5. UH	4.9												4.9
6. POH	0.0												0.0
7. FOH	4.9												4.9
8. MOH	0.0												0.0
9. PFOH	12.2												12.2
10. LR PF (MW)	47.0												47.0
11. PMOH	5.4												5.4
12. LR PM (MW)	47.0												47.0
13. NSC (MW)	395												395
14. OPR BTU(GBTU)	2174.4504												2174.4504
15. NET GEN (MWH)	202470												202470
16. ANOHR (BTU/KWH)	10740												10740
17. NOF (%)	69.4												69.4
18. NPC (MW)	395												395
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
BIG BEND 2	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 (%)	75.0												75.0
2. PH	744												744
3. SH	583.1												583.1
4. RSH	24.5												24.5
5. UH	136.4												136.4
6. POH	0.0												0.0
7. FOH	73.4												73.4
8. MOH	63.0												63.0
9. PFOH	293.7												293.7
10. LR PF (MW)	66.3												66.3
11. PMOH	0.3												0.3
12. LR PM (MW)	206.9												206.9
13. NSC (MW)	395												395
14. OPR BTU(GBTU)	1868.6660												1868.6660
15. NET GEN (MWH)	170150												170150
16. ANOHR (BTU/KWH)	10982												10982
17. NOF (%)	73.9												73.9
18. NPC (MW)	395												395
19. ANOHR EQUATION	ANOHR = NOF (-5.963) + 11,063												

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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 3	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 (%)	74.7												74.7
2. PH	744												744
3. SH	496.5												496.5
4. RSH	85.4												85.4
5. UH	162.1												162.1
6. POH	0.0												0.0
7. FOH	162.1												162.1
8. MOH	0.0												0.0
9. PFOH	222.2												222.2
10. LR PF (MW)	38.7												38.7
11. PMOH	8.3												8.3
12. LR PM (MW)	211.8												211.8
13. NSC (MW)	400												400
14. OPR BTU(GBTU)	1586.7295												1586.7295
15. NET GEN (MWH)	151724												151724
16. ANOHR BTU/KWH	10458												10458
17. NOF (%)	76.4												76.4
18. NPC (MW)	400												400
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												58.3
2. PH	744												744
3. SH	443.6												443.6
4. RSH	92.5												92.5
5. UH	207.9												207.9
6. POH	0.0												0.0
7. FOH	207.9												207.9
8. MOH	0.0												0.0
9. PFOH	409.3												409.3
10. LR PF (MW)	99.1												99.1
11. PMOH	23.7												23.7
12. LR PM (MW)	190.8												190.8
13. NSC (MW)	442												442
14. OPR BTU(GBTU)	1421.8362												1421.8362
15. NET GEN (MWH)	135022												135022
16. ANOHR BTU/KWH	10530												10530
17. NOF (%)	68.9												68.9
18. NPC (MW)	442												442
19. ANOHR EQUATION	ANOHR = NOF (-4.982) + 10,856												

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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												100.0
2. PH	744												744
3. SH	744.0												744.0
4. RSH	0.0												0.0
5. UH	0.0												0.0
6. POH	0.0												0.0
7. FOH	0.0												0.0
8. MOH	0.0												0.0
9. PFOH	0.0												0.0
10. LR PF (MW)	0.0												0.0
11. PMOH	0.0												0.0
12. LR PM (MW)	0.0												0.0
13. NSC (MW)	220												220
14. OPR BTU(GBTU)	1565.3848												1565.3848
15. NET GEN (MWH)	155821												155821
16. ANOHR BTU/KWH	10046												10046
17. NOF (%)	95.2												95.2
18. NPC (MW)	220												220
19. ANOHR EQUATION	ANOHR = NOF (9 523) + 9,121												

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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
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												98.0
2. PH	744												744
3. SH	744.0												744.0
4. RSH	0.0												0.0
5. UH	0.0												0.0
6. POH	0.0												0.0
7. FOH	0.0												0.0
8. MOH	0.0												0.0
9. PFOH	37.2												37.2
10. LR PF (MW)	264.0												264.0
11. PMOH	7.8												7.8
12. LR PM (MW)	264.0												264.0
13. NSC (MW)	792												792
14. OPR BTU(GBTU)	1578.1580												1578.1580
15. NET GEN (MWH)	197576												197576
16. ANOHR (BTU/KWH)	7988												7988
17. NOF (%)	33.5												33.5
18. NPC (MW)	792												792
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
BAYSIDE UNIT 2	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												65.3
2. PH	744												744
3. SH	527.1												527.1
4. RSH	0.0												0.0
5. UH	216.9												216.9
6. POH	216.9												216.9
7. FOH	0.0												0.0
8. MOH	0.0												0.0
9. PFOH	14.7												14.7
10. LR PF (MW)	261.8												261.8
11. PMOH	150.4												150.4
12. LR PM (MW)	261.8												261.8
13. NSC (MW)	1047												1047
14. OPR BTU(GBTU)	1250.4170												1250.4170
15. NET GEN (MWH)	157433												157433
16. ANOHR (BTU/KWH)	7943												7943
17. NOF (%)	28.5												28.5
18. NPC (MW)	1047												1047
19. ANOHR EQUATION	ANOHR = NOF (-7.777) + 7,937												

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**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit: BIG BEND 1 MDC: 420 Run Date: 2/13/2017

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
1	Noncurtailing	01/03/2017	07:20:00	01/03/2017	11:50:00	4.5	270	3661	BLPT	C Pulverizer 4160 V CB malfunction. Natural gas availa
2	Noncurtailing	01/18/2017	14:02:00	01/19/2017	18:00:00	27.97	250	0310	BLR	C Pulverizer trunnion crack. Natural gas available.
3	Noncurtailing	01/19/2017	18:00:00	01/21/2017	15:00:00	45	265	0310	BLR	C Pulverizer trunnion crack. Natural gas available.
4	Noncurtailing	01/21/2017	15:00:00	01/23/2017	09:00:00	42	310	0310	BLR	C Pulverizer trunnion crack. Natural gas available.
5	Noncurtailing	01/23/2017	09:00:00	01/23/2017	21:45:00	12.75	325	0310	BLR	C Pulverizer trunnion crack. Natural gas available.
6	Partial Forced Delayed	01/23/2017	21:45:00	01/24/2017	07:30:00	9.75	370	0313	BLR	C Pulverizer trunnion crack & B Pulverizer trunnion seal
7	Noncurtailing	01/24/2017	07:30:00	01/24/2017	21:15:00	13.75	320	0310	BLR	C Pulverizer trunnion crack. Natural gas available.
8	Planned Derating	01/24/2017	21:15:00	01/25/2017	02:38:00	5.38	370	0313	BLR	C Pulverizer trunnion crack & A Pulverizer trunnion seal
9	Full Forced Immed	01/25/2017	02:38:00	01/25/2017	07:33:00	4.92	0	0312	BLR	Plug valves inadvertently closed causing boiler to trip or
10	Partial Forced Immed	01/25/2017	07:33:00	01/25/2017	10:00:00	2.45	370	0313	BLR	C Pulverizer trunnion crack & A Pulverizer trunnion seal
11	Noncurtailing	01/25/2017	10:00:00	02/01/2017	04:40:00	158	300	0310	BLR	C Pulverizer trunnion crack. Natural gas available.



**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit:		BIG BEND 2		MDC:		420		Run Date:		2/13/2017	
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	
1	Partial Forced Immed	01/01/2017	00:01:00	01/03/2017	09:55:00	57.9	390	8812	NOx	High differential pressure indication across catalyst	
2	Partial Forced Immed	01/03/2017	09:55:00	01/05/2017	01:20:00	39.42	385	8812	NOx	High differential pressure indication across catalyst	
3	Partial Maintenance	01/05/2017	01:20:00	01/05/2017	01:40:00	0.33	200	4268	TURB	Main Turbine valve testing	
4	Partial Forced Immed	01/05/2017	01:40:00	01/06/2017	15:00:00	37.33	385	8812	NOx	High differential pressure indication across catalyst	
5	Partial Forced Immed	01/06/2017	15:00:00	01/06/2017	18:40:00	3.67	225	3240	BLPT	B Cooling Tower fan tripped.	
6	Partial Forced Immed	01/06/2017	18:40:00	01/07/2017	03:50:00	9.17	200	3240	BLPT	B Cooling Tower fan troubleshooting. Elevated turbine c	
7	Partial Forced Immed	01/07/2017	03:50:00	01/07/2017	06:55:00	3.08	190	3240	BLPT	B Cooling Tower fan troubleshooting. Elevated turbine c	
8	Partial Forced Immed	01/07/2017	06:55:00	01/07/2017	11:15:00	4.33	180	3240	BLPT	B Cooling Tower fan troubleshooting. Elevated turbine c	
9	Partial Forced Immed	01/07/2017	11:15:00	01/07/2017	15:50:00	4.58	240	3240	BLPT	B Cooling Tower fan troubleshooting. Elevated turbine c	
10	Partial Forced Immed	01/07/2017	15:50:00	01/08/2017	05:30:00	13.67	250	3240	BLPT	B Cooling Tower fan troubleshooting. Elevated turbine c	
11	Partial Forced Immed	01/08/2017	05:30:00	01/08/2017	18:00:00	12.5	260	3240	BLPT	B Cooling Tower fan troubleshooting. Elevated turbine c	
12	Partial Forced Immed	01/08/2017	18:00:00	01/09/2017	11:27:00	17.45	265	3240	BLPT	B Cooling Tower fan troubleshooting. Elevated turbine c	
13	Maintenance Outage	01/09/2017	11:27:00	01/12/2017	02:25:00	62.97	0	3420	BLPT	Startup BFP charging line leak	
14	Full Forced Immed	01/12/2017	11:55:00	01/12/2017	17:20:00	5.42	0	1471	BLR	B ID Fan rotational malfunction	
15	Noncurtailing	01/13/2017	21:00:00	01/14/2017	03:40:00	6.67	290	0260	BLR	B Primary Air fan tripping on startup. Gas available	
16	Noncurtailing	01/14/2017	03:40:00	01/14/2017	06:00:00	2.33	300	0260	BLR	B Primary Air fan locked out for troubleshooting. Gas av	
17	Noncurtailing	01/14/2017	06:00:00	01/15/2017	20:00:00	38	320	0260	BLR	B Primary Air fan locked out for troubleshooting. Gas av	
18	Partial Forced Immed	01/15/2017	20:00:00	01/16/2017	00:01:00	4.02	285	0331	BLR	C Pulverizer system coal leak repairs & B PA fan locke	
19	Noncurtailing	01/16/2017	00:01:00	01/16/2017	18:00:00	17.98	320	0260	BLR	B Primary Air fan locked out for troubleshooting. Gas av	
20	Noncurtailing	01/16/2017	18:00:00	01/16/2017	22:06:00	4.1	325	0260	BLR	B Primary Air fan locked out for troubleshooting. Gas av	
21	Partial Forced Immed	01/16/2017	22:06:00	01/17/2017	04:49:00	6.72	285	0335	BLR	A Pulverizer 2A1 trunnion oil leak repair & B PA fan lock	
22	Noncurtailing	01/17/2017	04:49:00	01/17/2017	18:00:00	13.18	325	0260	BLR	B Primary Air fan locked out for troubleshooting. Gas av	
23	Noncurtailing	01/17/2017	18:00:00	01/21/2017	03:05:00	81.08	335	0260	BLR	B Primary Air fan locked out for troubleshooting. Gas av	
24	Partial Forced Immed	01/21/2017	03:05:00	01/21/2017	09:00:00	5.92	390	8812	NOx	High differential pressure indication across catalyst	
25	Noncurtailing	01/21/2017	09:00:00	01/21/2017	11:00:00	2	330	0260	BLR	B PrimaryAir fan water intrusion caused fan trip	
26	Noncurtailing	01/21/2017	11:00:00	01/23/2017	14:00:00	51	340	1350	BLR	Operating at reduced steam header (1800#) due to susj	
27	Noncurtailing	01/23/2017	14:00:00	01/25/2017	01:32:00	35.53	320	1350	BLR	Operating at reduced steam header (1700#) due to susj	
28	Full Forced Delayed	01/25/2017	01:32:00	01/27/2017	21:33:00	68.02	0	1050	BLR	High temp superheat tube leak	

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit:		BIG BEND 2		MDC:		420		Run Date:		2/13/2017	
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	
29	Reserve Shutdown	01/27/2017	21:33:00	01/28/2017	22:05:00	24.53	0	0000	UNKN	RESERVE SHUTDOWN	
30	Partial Forced Immed	01/28/2017	22:05:00	01/31/2017	06:00:00	55.92	390	8812	NOx	High differential pressure indication across catalyst	
31	Partial Forced Immed	01/31/2017	06:00:00	02/01/2017	01:20:00	18	385	8812	NOx	High differential pressure indication across catalyst	

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit:		BIG BEND 3		MDC:		425		Run Date:		2/13/2017	
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	
1	Partial Forced Immed	01/11/2017	13:45:00	01/11/2017	21:00:00	7.25	340	1530	BLR	APH Air Inlet temperature high indication	
2	Planned Derating	01/11/2017	21:00:00	01/12/2017	05:15:00	8.25	200	8125	POLL	A Tower Absorber recycle pump leak repair	
3	Full Forced Delayed	01/14/2017	03:56:00	01/20/2017	22:01:00	162.08	0	1050	BLR	High temp superheat tube leak	
4	Partial Forced Immed	01/12/2017	06:00:00	01/12/2017	15:20:00	9.33	355	1530	BLR	APH Air Inlet temperature high indication	
5	Partial Forced Immed	01/12/2017	15:20:00	01/13/2017	07:00:00	15.67	340	1530	BLR	APH Air Inlet temperature high indication	
6	Partial Forced Immed	01/13/2017	07:00:00	01/14/2017	03:56:00	20.93	350	1530	BLR	APH Air Inlet temperature high indication	
7	Reserve Shutdown	01/20/2017	22:01:00	01/24/2017	11:27:00	85.43	0	0000	UNKN	RESERVE SHUTDOWN	
8	Partial Forced Immed	01/24/2017	23:00:00	01/25/2017	07:00:00	8	380	0570	BLR	Low Reheat steam temps due to boiler deslagging	
9	Partial Forced Immed	01/25/2017	07:00:00	01/30/2017	07:08:00	120.13	400	4260	TURB	Turbine main steam stop valve strainer high differential	
10	Partial Forced Immed	01/30/2017	07:08:00	01/30/2017	18:50:00	11.7	380	4260	TURB	Turbine main steam stop valve strainer high differential	
11	Partial Forced Immed	01/30/2017	18:50:00	01/31/2017	05:00:00	10.17	400	4260	TURB	Turbine main steam stop valve strainer high differential	
12	Partial Forced Immed	01/31/2017	05:00:00	01/31/2017	07:52:00	2.87	390	4260	TURB	Turbine main steam stop valve strainer high differential	
13	Partial Forced Immed	01/31/2017	07:52:00	02/01/2017	09:00:00	16.13	380	4260	TURB	Turbine main steam stop valve strainer high differential	

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit: BIG BEND 4 MDC: 475 Run Date: 2/13/2017

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
1	Partial Forced Immed	01/01/2017	00:01:00	01/03/2017	22:05:00	70.07	400	8825	NOx	SCR inlet temperature limit (800 deg)
2	Full Forced Delayed	01/03/2017	22:05:00	01/12/2017	14:00:00	207.92	0	1000	BLR	Waterwall tube leak
3	Reserve Shutdown	01/12/2017	14:00:00	01/16/2017	10:28:00	92.47	0	0000	UNKN	RESERVE SHUTDOWN
4	Partial Forced Immed	01/16/2017	21:05:00	01/21/2017	07:20:00	106.25	450	1470	BLR	A ID Fan high vibration
5	Partial Forced Immed	01/21/2017	07:20:00	01/21/2017	12:30:00	5.17	425	8262	POLL	C Booster fan high vibration
6	Partial Forced Immed	01/21/2017	12:30:00	01/22/2017	11:30:00	23	350	8262	POLL	C Booster fan high vibration
7	Partial Forced Immed	01/22/2017	11:30:00	01/23/2017	10:40:00	23.17	325	8262	POLL	C Booster fan high vibration
8	Partial Forced Immed	01/23/2017	10:40:00	01/23/2017	11:12:00	0.53	360	8262	POLL	C Booster fan high vibration
9	Partial Forced Immed	01/23/2017	11:12:00	01/23/2017	12:00:00	0.8	320	8262	POLL	C Booster fan high vibration
10	Partial Forced Immed	01/23/2017	12:00:00	01/23/2017	16:20:00	4.33	325	8262	POLL	C Booster fan high vibration
11	Partial Forced Immed	01/23/2017	16:20:00	01/24/2017	22:30:00	30.17	300	8262	POLL	C Booster fan high vibration
12	Planned Derating	01/24/2017	22:30:00	01/25/2017	22:10:00	23.67	270	8262	POLL	C Booster fan off for balance shot
13	Partial Forced Immed	01/25/2017	22:10:00	01/26/2017	12:00:00	13.83	450	1455	BLR	A ID Fan high vibration
14	Partial Forced Immed	01/26/2017	12:00:00	01/26/2017	13:05:00	1.08	400	8845	CO	High CO emissions indications
15	Partial Forced Immed	01/26/2017	13:05:00	01/28/2017	10:21:00	45.27	450	1455	BLR	A ID Fan high vibration
16	Partial Forced Immed	01/28/2017	10:21:00	01/28/2017	23:40:00	13.32	225	0260	BLR	B Primary Air fan high vibration.
17	Partial Forced Immed	01/28/2017	23:40:00	02/02/2017	23:12:00	72.33	225	0260	BLR	B Primary Air fan unavailable due to high vibration trout

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit:		POLK 1		MDC:		290		Run Date:		2/13/2017	
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	
1	Partial Forced Immed	01/19/2017	02:08:00	01/19/2017	20:10:00	18.03	200	5049	GAST	1D, DGAN Compressor tripped, field failed	
2	Noncurtailing	01/01/2017	12:32:00	01/01/2018	00:00:00	731.47	0	5079	GAST	Flame instability between 100 - 145MW's on gas	
3	Partial Forced Immed	01/26/2017	09:21:00	01/27/2017	13:08:00	27.78	200	5049	GAST	6B, Clean Gas KO Drum Safety Line leak	
4	Partial Forced Immed	01/27/2017	17:11:00	01/29/2017	14:29:00	45.3	200	5049	GAST	8F, Slurry Feed Pump #2Cylinder monitor rod failed, tripped	

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit:	BAYSIDE ST1	MDC:	246							Run Date:	2/13/2017
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	

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit: BAYSIDE CT1A MDC: 185 Run Date: 2/13/2017

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
1	Reserve Shutdown	01/01/2017	00:00:00	01/02/2017	09:35:00	33.58	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/03/2017	22:40:00	01/04/2017	08:27:00	9.78	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
3	Reserve Shutdown	01/04/2017	22:56:00	01/05/2017	05:54:00	6.97	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
4	Full Forced Immed	01/05/2017	05:55:00	01/06/2017	19:05:00	37.17	0	3899	BLPT Feedwater pump failure	Feedwater pump failure
5	Reserve Shutdown	01/06/2017	19:06:00	01/07/2017	08:31:00	13.42	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
6	Reserve Shutdown	01/10/2017	08:23:00	01/11/2017	04:03:00	19.67	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
7	Reserve Shutdown	01/12/2017	20:12:00	01/13/2017	05:37:00	9.42	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
8	Reserve Shutdown	01/13/2017	13:41:00	01/14/2017	08:48:00	19.12	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
9	Reserve Shutdown	01/15/2017	20:37:00	01/18/2017	20:21:00	71.73	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
10	Reserve Shutdown	01/30/2017	07:33:00	01/31/2017	05:44:00	22.18	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit: BAYSIDE CT1B MDC: 185 Run Date: 2/13/2017

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
1	Reserve Shutdown	01/02/2017	20:01:00	01/03/2017	09:07:00	13.1	0	0000	UNKN RESERVE SHUTDOWN	
2	Reserve Shutdown	01/04/2017	20:55:00	01/04/2017	22:25:00	1.5	0	0000	UNKN RESERVE SHUTDOWN	
3	Reserve Shutdown	01/09/2017	10:54:00	01/09/2017	17:50:00	6.93	0	0000	UNKN RESERVE SHUTDOWN	
4	Reserve Shutdown	01/11/2017	23:58:00	01/12/2017	11:36:00	11.63	0	0000	UNKN RESERVE SHUTDOWN	
5	Reserve Shutdown	01/15/2017	01:17:00	01/16/2017	05:45:00	28.47	0	0000	UNKN RESERVE SHUTDOWN	
6	Reserve Shutdown	01/18/2017	21:12:00	01/19/2017	12:06:00	14.9	0	0000	UNKN RESERVE SHUTDOWN	
7	Reserve Shutdown	01/19/2017	21:06:00	01/20/2017	01:19:00	4.22	0	0000	UNKN RESERVE SHUTDOWN	
8	Maintenance Outage	01/20/2017	01:20:00	01/20/2017	09:08:00	7.8	0	3831	BLPT	weld repair to IP desuperheater hdr
9	Reserve Shutdown	01/20/2017	09:09:00	01/20/2017	13:31:00	4.37	0	0000	UNKN RESERVE SHUTDOWN	
10	Reserve Shutdown	01/20/2017	22:45:00	01/21/2017	08:53:00	10.13	0	0000	UNKN RESERVE SHUTDOWN	
11	Reserve Shutdown	01/21/2017	23:21:00	01/22/2017	07:24:00	8.05	0	0000	UNKN RESERVE SHUTDOWN	
12	Reserve Shutdown	01/22/2017	23:28:00	01/23/2017	06:34:00	7.1	0	0000	UNKN RESERVE SHUTDOWN	
13	Reserve Shutdown	01/23/2017	23:33:00	01/25/2017	05:24:00	29.85	0	0000	UNKN RESERVE SHUTDOWN	
14	Reserve Shutdown	01/25/2017	21:28:00	01/26/2017	11:26:00	13.97	0	0000	UNKN RESERVE SHUTDOWN	
15	Reserve Shutdown	01/26/2017	20:58:00	01/28/2017	08:15:00	35.28	0	0000	UNKN RESERVE SHUTDOWN	
16	Reserve Shutdown	01/28/2017	22:36:00	01/30/2017	06:20:00	31.73	0	0000	UNKN RESERVE SHUTDOWN	
17	Reserve Shutdown	01/31/2017	09:39:00	01/31/2017	23:59:00	14.33	0	0000	UNKN RESERVE SHUTDOWN	

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit: BAYSIDE CT1C MDC: 185 Run Date: 2/13/2017

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
1	Reserve Shutdown	01/01/2017	00:00:00	02/01/2017	00:00:00	744	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit: BAYSIDE ST2 MDC: 318 Run Date: 2/13/2017

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
1	Planned Outage	01/22/2017	23:00:00	01/23/2017	23:00:00	24	0	3113	COND	Planned 2017 Spring Outage. Condenser maintenance
2	Planned Outage	01/23/2017	23:01:00	01/25/2017	23:00:00	47.98	0	3220	BLPT	Planned 2017 Spring Outage. Circulating Water system
3	Planned Outage	01/25/2017	23:01:00	01/31/2017	23:59:00	144.97	0	3803	BLPT	Planned 2017 Spring Outage. Cooling tower maintenar

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit: BAYSIDE CT2A MDC: 185 Run Date: 2/13/2017

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
1	Reserve Shutdown	01/01/2017	20:12:00	01/02/2017	10:34:00	14.37	0	0000	UNKN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/02/2017	21:43:00	01/03/2017	11:32:00	13.82	0	0000	UNKN	RESERVE SHUTDOWN
3	Reserve Shutdown	01/03/2017	20:17:00	01/04/2017	06:03:00	9.77	0	0000	UNKN	RESERVE SHUTDOWN
4	Reserve Shutdown	01/04/2017	22:44:00	01/05/2017	16:19:00	17.58	0	0000	UNKN	RESERVE SHUTDOWN
5	Reserve Shutdown	01/09/2017	13:23:00	01/10/2017	04:53:00	15.5	0	0000	UNKN	RESERVE SHUTDOWN
6	Reserve Shutdown	01/11/2017	14:55:00	01/12/2017	04:51:00	13.93	0	0000	UNKN	RESERVE SHUTDOWN
7	Reserve Shutdown	01/14/2017	20:57:00	01/15/2017	12:15:00	15.3	0	0000	UNKN	RESERVE SHUTDOWN
8	Reserve Shutdown	01/16/2017	23:18:00	01/22/2017	22:59:00	143.68	0	0000	UNKN	RESERVE SHUTDOWN
9	Planned Outage	01/22/2017	23:00:00	01/23/2017	23:00:00	24	0	5035	GAST	Planned 2017 Spring Outage
10	Planned Outage	01/23/2017	23:01:00	01/31/2017	23:59:00	192.97	0	5272	GAST	Planned 2017 Spring Outage. Borescope inspection an

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit: BAYSIDE CT2B MDC: 185 Run Date: 2/13/2017

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
1	Reserve Shutdown	01/01/2017	00:00:00	01/01/2017	12:30:00	12.5	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/02/2017	22:38:00	01/03/2017	13:04:00	14.43	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
3	Reserve Shutdown	01/03/2017	23:58:00	01/05/2017	05:40:00	29.7	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
4	Reserve Shutdown	01/05/2017	22:00:00	01/06/2017	07:25:00	9.42	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
5	Reserve Shutdown	01/06/2017	23:44:00	01/07/2017	03:47:00	4.05	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
6	Reserve Shutdown	01/08/2017	11:16:00	01/09/2017	04:31:00	17.25	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
7	Reserve Shutdown	01/10/2017	09:29:00	01/11/2017	05:33:00	20.07	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
8	Reserve Shutdown	01/12/2017	22:15:00	01/13/2017	06:47:00	8.53	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
9	Reserve Shutdown	01/14/2017	01:19:00	01/14/2017	11:05:00	9.77	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
10	Reserve Shutdown	01/16/2017	00:43:00	01/21/2017	20:27:00	139.73	0	0000	UNKN RESERVE SHUTDOWN	RESERVE SHUTDOWN
11	Planned Outage	01/21/2017	20:28:00	01/22/2017	23:00:00	26.53	0	5035	GAST Planned 2017 Spring Outage	Planned 2017 Spring Outage
12	Planned Outage	01/22/2017	23:01:00	01/31/2017	23:59:00	216.97	0	5272	GAST Planned 2017 Spring Outage. Borescope inspection an	Planned 2017 Spring Outage. Borescope inspection an

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit: BAYSIDE CT2C MDC: 185 Run Date: 2/13/2017

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
1	Full Forced Immed	01/01/2017	00:01:00	01/01/2017	14:29:00	14.47	0	3834	BLPT	Reheat tube failure in 2C HRSG.
2	Reserve Shutdown	01/01/2017	14:30:00	01/03/2017	05:55:00	39.42	0	0000	UNKN	RESERVE SHUTDOWN
3	Reserve Shutdown	01/06/2017	20:43:00	01/07/2017	04:29:00	7.77	0	0000	UNKN	RESERVE SHUTDOWN
4	Reserve Shutdown	01/09/2017	23:50:00	01/10/2017	06:51:00	7.02	0	0000	UNKN	RESERVE SHUTDOWN
5	Reserve Shutdown	01/10/2017	22:47:00	01/14/2017	05:35:00	78.8	0	0000	UNKN	RESERVE SHUTDOWN
6	Reserve Shutdown	01/14/2017	22:56:00	01/20/2017	19:52:00	140.93	0	0000	UNKN	RESERVE SHUTDOWN
7	Planned Outage	01/20/2017	19:53:00	01/21/2017	23:00:00	27.12	0	5035	GAST	Planned 2017 Spring Outage
8	Planned Outage	01/21/2017	23:01:00	01/31/2017	23:59:00	240.97	0	5272	GAST	Planned 2017 Spring Outage. Borescope inspection an

**Tampa Electric Company
Outage Listing
(01/01/2017 - 01/31/2017)**

Unit: BAYSIDE CT2D MDC: 185 Run Date: 2/13/2017

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
1	Reserve Shutdown	01/01/2017	00:00:00	01/02/2017	11:57:00	35.95	0	0000	UNKN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/03/2017	21:43:00	01/04/2017	07:45:00	10.03	0	0000	UNKN	RESERVE SHUTDOWN
3	Full Forced Immed	01/04/2017	07:49:00	01/04/2017	08:03:00	0.23	0	9900	PERS	Operator error caused trip on low HP drum level
4	Reserve Shutdown	01/04/2017	08:03:00	01/08/2017	06:04:00	94.02	0	0000	UNKN	RESERVE SHUTDOWN
5	Reserve Shutdown	01/09/2017	12:50:00	01/10/2017	04:31:00	15.68	0	0000	UNKN	RESERVE SHUTDOWN
6	Reserve Shutdown	01/10/2017	10:09:00	01/11/2017	06:19:00	20.17	0	0000	UNKN	RESERVE SHUTDOWN
7	Reserve Shutdown	01/12/2017	03:12:00	01/19/2017	22:20:00	187.13	0	0000	UNKN	RESERVE SHUTDOWN
8	Planned Outage	01/19/2017	22:21:00	01/20/2017	23:00:00	24.65	0	5035	GAST	Planned 2017 Spring Outage
9	Planned Outage	01/20/2017	23:01:00	01/31/2017	23:59:00	264.97	0	5272	GAST	Planned 2017 Spring Outage. Borescope inspection an

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 ₂	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 ₂	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		