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March 26, 2018

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. 20180001-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 February 2018, as well as revisions for 2017 year end GPIF (Bayside 1 and 2 – October/November Mbtu's).

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 26th day of March 2018 to the following:

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ATTORNEY

ORIGINAL SHEET NO. 8.401.17A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

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 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	63.7	66.6											65.1
2. PH	744	672											1416
3. SH	503.5	549.5											1053.0
4. RSH	180.2	36.8											217.0
5. UH	60.3	85.7											146.0
6. POH	0.0	0.0											0.0
7. FOH	60.3	85.7											146.0
8. MOH	0.0	0.0											0.0
9. PFOH	327.6	235.1											562.6
10. LR PF (MW)	44.1	9.6											29.7
11. PMOH	744.0	672.3											1416.3
12. LR PM (MW)	91.9	78.1											85.4
13. NSC (MW)	395	395											395
14. OPR BTU(GBTU)	732.3050	1006.1440											1738.4490
15. NET GEN (MWH)	62029	94369											156398
16. ANOHR (BTU/KWH)	11806	10662											11116
17. NOF (%)	31.2	43.5											37.6
18. NPC (MW)	395	395											395
19. ANOHR EQUATION	ANOHR = NOF (-17.276) + 12,362												

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

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 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	57.3	35.3											46.9
2. PH	744	672											1416
3. SH	492.1	390.2											882.4
4. RSH	0.0	23.6											23.6
5. UH	251.9	258.2											510.0
6. POH	0.0	0.0											0.0
7. FOH	251.9	258.2											510.0
8. MOH	0.0	0.0											0.0
9. PFOH	787.0	1294.6											2081.6
10. LR PF (MW)	33.4	54.6											46.6
11. PMOH	0.0	0.0											0.0
12. LR PM (MW)	0.0	0.0											0.0
13. NSC (MW)	400	400											400
14. OPR BTU(GBTU)	1819.5722	987.5100											2807.0823
15. NET GEN (MWH)	163854	85845											249699
16. ANOHR BTU/KWH	11105	11503											11242
17. NOF (%)	83.2	55.0											70.7
18. NPC (MW)	400	400											400
19. ANOHR EQUATION	ANOHR = NOF (-17.826) + 12,060												

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ORIGINAL SHEET NO. 8.401.17A
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ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

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 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	78.7	13.1											47.6
2. PH	744	672											1416
3. SH	744.0	69.0											813.0
4. RSH	0.0	147.0											147.0
5. UH	0.0	456.0											456.0
6. POH	0.0	456.0											456.0
7. FOH	0.0	0.0											0.0
8. MOH	0.0	0.0											0.0
9. PFOH	1611.4	2670.2											4281.6
10. LR PF (MW)	43.4	21.2											29.6
11. PMOH	0.0	0.0											0.0
12. LR PM (MW)	0.0	0.0											0.0
13. NSC (MW)	442	442											442
14. OPR BTU(GBTU)	2722.5699	130.0167											2852.5866
15. NET GEN (MWH)	254243	13470											267713
16. ANOHR BTU/KWH	10709	9652											10655
17. NOF (%)	77.3	44.2											74.5
18. NPC (MW)	442	442											442
19. ANOHR EQUATION	ANOHR = NOF (-12.371) + 11,518												



ORIGINAL SHEET NO. 8.401.18A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

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 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	75.1	97.1											85.6
2. PH	744	672											1416
3. SH	567.8	669.2											1237.0
4. RSH	0.0	0.0											0.0
5. UH	176.2	2.8											179.0
6. POH	0.0	0.0											0.0
7. FOH	176.2	2.8											179.0
8. MOH	0.0	0.0											0.0
9. PFOH	236.6	121.2											357.8
10. LR PF (MW)	8.2	29.8											15.5
11. PMOH	0.0	0.0											0.0
12. LR PM (MW)	0.0	0.0											0.0
13. NSC (MW)	220	220											220
14. OPR BTU(GBTU)	1332.1999	1559.7320											2891.9319
15. NET GEN (MWH)	126117	152887											279004
16. ANOHR BTU/KWH	10563	10202											10365
17. NOF (%)	101.0	103.9											102.5
18. NPC (MW)	220	220											220
19. ANOHR EQUATION	ANOHR = NOF (16.584) + 8,334												

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ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

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 2 CC	JAN 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	89.0	92.9											90.9
2. PH	744	672											1416
3. SH	743.0	672.0											1415.0
4. RSH	44.6	29.5											74.1
5. UH	42.5	47.3											89.8
6. POH	20.6	47.3											67.9
7. FOH	11.8	0.0											11.8
8. MOH	10.1	0.0											10.1
9. PFOH	656.7	0.9											657.7
10. LR PF (MW)	33.9	125.0											34.1
11. PMOH	204.7	315.3											520.0
12. LR PM (MW)	123.0	0.0											48.4
13. NSC (MW)	1200	1200											1200
14. OPR BTU(GBTU)	4009.5850	3482.8960											7492.4810
15. NET GEN (MWH)	586465	538133											1124598
16. ANOHR BTU/KWH	6837	6472											6662
17. NOF (%)	65.8	66.7											66.2
18. NPC (MW)	1200	1200											1200
19. ANOHR EQUATION	ANOHR = NOF (-13.653) + 8,424												

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ORIGINAL SHEET NO. 8.401.18A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

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 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	94.4	99.0											96.6
2. PH	744	672											1416
3. SH	670.6	672.0											1342.6
4. RSH	241.6	66.7											308.3
5. UH	33.4	4.6											38.0
6. POH	0.0	0.0											0.0
7. FOH	9.1	2.3											11.5
8. MOH	24.2	2.3											26.5
9. PFOH	39.6	10.0											49.6
10. LR PF (MW)	82.0	82.0											82.0
11. PMOH	39.9	9.9											49.8
12. LR PM (MW)	82.0	82.0											82.0
13. NSC (MW)	792	792											792
14. OPR BTU(GBTU)	1633.0960	2454.5140											4087.6100
15. NET GEN (MWH)	217843	332848											550691
16. ANOHR (BTU/KWH)	7497	7374											7423
17. NOF (%)	41.0	62.5											51.8
18. NPC (MW)	792	792											792
19. ANOHR EQUATION	ANOHR = NOF (-13.560) + 8,341												

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TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2018 - DECEMBER 2018

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 18	FEB 18	MAR 18	APR 18	MAY 18	JUN 18	JUL 18	AUG 18	SEP 18	OCT 18	NOV 18	DEC 18	2018
1. EAF (%)	87.8	0.0											46.2
2. PH	744	672											1416
3. SH	695.6	0.0											695.6
4. RSH	243.7	0.0											243.7
5. UH	72.2	672.0											744.2
6. POH	46.4	672.0											718.4
7. FOH	15.5	0.0											15.5
8. MOH	10.3	0.0											10.3
9. PFOH	9.4	0.0											9.4
10. LR PF (MW)	79.0	0.0											79.0
11. PMOH	231.8	0.0											231.8
12. LR PM (MW)	79.3	0.0											79.3
13. NSC (MW)	1047	1047											1047
14. OPR BTU(GBTU)	1818.3620	0.0000											1818.3620
15. NET GEN (MWH)	232588	0											232588
16. ANOHR (BTU/KWH)	7818	0											7818
17. NOF (%)	31.9	0.0											31.9
18. NPC (MW)	1047	1047											1047
19. ANOHR EQUATION	ANOHR = NOF (-11.437) + 8,274												

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**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BIG BEND 2 MDC: 420 Run Date: 3/12/2018

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
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	149.25	310	9180	EXTL Natural gas only	
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	7.33	310	9180	EXTL Natural gas only	
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	9.67	310	9180	EXTL Natural gas only	
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	0.33	310	9180	EXTL Natural gas only	
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	111.42	310	9180	EXTL Natural gas only	
9	Partial Forced Immed	02/07/2018	05:15:00	02/07/2018	12:35:00	7.33	260	1455	BLR B ID Fan tripped.	
10	Partial Maintenance	02/07/2018	22:15:00	02/07/2018	22:35:00	0.33	150	4268	TURB Turbine valve testing	
11	Planned Derating	02/12/2018	14:00:00	01/01/2019	00:00:00	19.77	330	9180	EXTL Natural gas only.	
11	Planned Derating	02/12/2018	14:00:00	01/01/2019	00:00:00	85.73	330	9180	EXTL Natural gas only.	
11	Planned Derating	02/12/2018	14:00:00	01/01/2019	00:00:00	36.78	330	9180	EXTL Natural gas only.	
11	Planned Derating	02/12/2018	14:00:00	01/01/2019	00:00:00	49.72	330	9180	EXTL Natural gas only.	
11	Planned Derating	02/12/2018	14:00:00	01/01/2019	00:00:00	178	330	9180	EXTL Natural gas only.	
11	Planned Derating	02/12/2018	14:00:00	01/01/2019	00:00:00	24	330	9180	EXTL Natural gas only.	
12	Full Forced Delayed	02/13/2018	09:46:00	02/16/2018	23:30:00	85.73	0	4281	TURB Turbine oil cooler leak (external)	
13	Reserve Shutdown	02/16/2018	23:30:00	02/18/2018	12:17:00	36.78	0	0000	UNKN RESERVE SHUTDOWN	
14	Partial Forced Immed	02/18/2018	12:17:00	02/20/2018	14:00:00	49.72	310	0359	BLR Natural gas only.Igniter availability.	
15	Partial Forced Immed	02/20/2018	14:00:00	02/28/2018	00:00:00	178	325	0359	BLR Natural gas only.Igniter availability.	

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BIG BEND 3 MDC: 425 Run Date: 3/12/2018

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
6	Partial Forced Immed	01/21/2018	12:15:00	01/01/2019	00:00:00	13	375	1455	BLR	B ID Fan vibration limits.
6	Partial Forced Immed	01/21/2018	12:15:00	01/01/2019	00:00:00	36.37	375	1455	BLR	B ID Fan vibration limits.
6	Partial Forced Immed	01/21/2018	12:15:00	01/01/2019	00:00:00	120.55	375	1455	BLR	B ID Fan vibration limits.
6	Partial Forced Immed	01/21/2018	12:15:00	01/01/2019	00:00:00	23.58	375	1455	BLR	B ID Fan vibration limits.
6	Partial Forced Immed	01/21/2018	12:15:00	01/01/2019	00:00:00	208.83	375	1455	BLR	B ID Fan vibration limits.
6	Partial Forced Immed	01/21/2018	12:15:00	01/01/2019	00:00:00	22.67	375	1455	BLR	B ID Fan vibration limits.
6	Partial Forced Immed	01/21/2018	12:15:00	01/01/2019	00:00:00	247	375	1455	BLR	B ID Fan vibration limits.
10	Full Forced Immed	01/28/2018	12:00:00	02/01/2018	13:00:00	13	0	0359	BLR	Gas skid regulator leak thru.
11	Startup Failure	02/01/2018	13:00:00	02/03/2018	01:22:00	36.37	0	1000	BLR	Waterwall tube leak observed during startup.
12	Partial Forced Immed	02/03/2018	01:22:00	02/18/2018	17:00:00	120.55	275	3260	BLPT	B screen R & R
12	Partial Forced Immed	02/03/2018	01:22:00	02/18/2018	17:00:00	23.58	275	3260	BLPT	B screen R & R
12	Partial Forced Immed	02/03/2018	01:22:00	02/18/2018	17:00:00	208.83	275	3260	BLPT	B screen R & R
12	Partial Forced Immed	02/03/2018	01:22:00	02/18/2018	17:00:00	22.67	275	3260	BLPT	B screen R & R
13	Reserve Shutdown	02/08/2018	01:55:00	02/09/2018	01:30:00	23.58	0	0000	UNKN	RESERVE SHUTDOWN
14	Full Forced Immed	02/09/2018	01:30:00	02/17/2018	18:20:00	208.83	0	8560	POLL	Ash buildup
15	Partial Forced Immed	02/18/2018	17:00:00	01/01/2019	00:00:00	247	240	3260	BLPT	B screen R & R

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BIG BEND 4 MDC: 475 Run Date: 3/12/2018

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	Partial Forced Immed	01/02/2018	19:50:00	01/01/2019	00:00:00	13.17	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	01/01/2019	00:00:00	17.83	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	01/01/2019	00:00:00	38	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	01/01/2019	00:00:00	147.02	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	01/01/2019	00:00:00	455.98	410	1455	BLR	A ID Fan vibration limits
7	Partial Forced Immed	01/12/2018	00:01:00	01/01/2019	00:00:00	13.17	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	01/01/2019	00:00:00	17.83	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	01/01/2019	00:00:00	38	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	01/01/2019	00:00:00	147.02	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	01/01/2019	00:00:00	455.98	390	8230	POLL	FGD inlet gas duct leak
15	Partial Forced Immed	01/27/2018	00:01:00	01/01/2019	00:00:00	13.17	380	8825	NOx	SCR inlet temperature limit
15	Partial Forced Immed	01/27/2018	00:01:00	01/01/2019	00:00:00	17.83	380	8825	NOx	SCR inlet temperature limit
15	Partial Forced Immed	01/27/2018	00:01:00	01/01/2019	00:00:00	38	380	8825	NOx	SCR inlet temperature limit
15	Partial Forced Immed	01/27/2018	00:01:00	01/01/2019	00:00:00	147.02	380	8825	NOx	SCR inlet temperature limit
15	Partial Forced Immed	01/27/2018	00:01:00	01/01/2019	00:00:00	455.98	380	8825	NOx	SCR inlet temperature limit
16	Reserve Shutdown	02/03/2018	21:00:00	02/10/2018	00:01:00	147.02	0	0000	UNKN	RESERVE SHUTDOWN
17	Partial Forced Delayed	01/30/2018	21:44:00	02/01/2018	13:10:00	13.17	190	0890	BLR	Bottom ash tanks buildup.Natural gas only.
18	Partial Forced Delayed	02/02/2018	07:00:00	01/01/2019	00:00:00	38	190	0890	BLR	Bottom ash tanks buildup.Natural gas only.
18	Partial Forced Delayed	02/02/2018	07:00:00	01/01/2019	00:00:00	147.02	190	0890	BLR	Bottom ash tanks buildup.Natural gas only.
18	Partial Forced Delayed	02/02/2018	07:00:00	01/01/2019	00:00:00	455.98	190	0890	BLR	Bottom ash tanks buildup.Natural gas only.
19	Planned Outage	02/10/2018	00:01:00	01/01/2019	00:00:00	455.98	0	1512	BLR	Expansion joint repairs

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: POLK 1 MDC: 290 Run Date: 3/12/2018

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	Partial Forced Immed	02/08/2018	07:20:00	02/10/2018	03:00:00	43.67	280	6399	GASF	6C, Saturator Circ Pump Pressure Gauge Leak
12	Partial Forced Immed	02/12/2018	17:00:00	02/13/2018	05:30:00	12.5	165	4308	TURB	STG tripped, Firmware, firmware updated...later found
13	Partial Forced Immed	02/14/2018	10:26:00	02/14/2018	21:11:00	10.75	185	6399	GASF	6C, Saturator Circ Pump Pressure Gauge Leak repair
14	Partial Forced Immed	02/15/2018	04:40:00	02/17/2018	05:48:00	49.13	280	5041	GAST	Natural Gas Stop Ratio Servo failed, Syngas only oper
15	Partial Forced Immed	02/19/2018	13:32:00	02/19/2018	18:40:00	5.13	192	4308	TURB	STG tripped, Found ground on DC Source Voltage,
16	Full Forced Postponed	02/17/2018	05:48:00	02/17/2018	08:38:00	2.83	0	5041	GAST	Natural Gas Stop Ratio Servo failed, shutdown to repa

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: POLK 2 MDC: 181 Run Date: 3/12/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
10	Reserve Shutdown	02/01/2018	23:13:00	02/02/2018	05:56:00	6.72	0	0000	UNKN	RESERVE SHUTDOWN
11	Reserve Shutdown	02/02/2018	21:05:00	02/03/2018	07:05:00	10	0	0000	UNKN	RESERVE SHUTDOWN
12	Reserve Shutdown	02/03/2018	08:14:00	02/03/2018	09:11:00	0.95	0	0000	UNKN	Reserve Shutdown, DivDamp to SimCyc, TV523 failed
13	Reserve Shutdown	02/04/2018	00:02:00	02/05/2018	01:00:00	24.97	0	0000	UNKN	RESERVE SHUTDOWN
14	Reserve Shutdown	02/10/2018	02:06:00	02/10/2018	04:30:00	2.4	0	0000	UNKN	RESERVE SHUTDOWN
15	Reserve Shutdown	02/12/2018	09:34:00	02/13/2018	15:09:00	29.58	0	0000	UNKN	RESERVE SHUTDOWN
17	Noncurtailing	02/09/2018	23:00:00	02/13/2018	15:09:00	88.15	0	5250	GAST	CPD Transmitter RO plugged, repaired on LSL, tune re
18	Planned Outage	02/05/2018	01:00:00	02/09/2018	21:24:00	116.4	0	5272	GAST	Annual EBI, HRSG repairs

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: POLK 3 MDC: 181 Run Date: 3/12/2018

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
7	Reserve Shutdown	02/09/2018	20:46:00	02/12/2018	02:51:00	54.08	0	0000	UNKN	RESERVE SHUTDOWN
8	Reserve Shutdown	02/22/2018	21:15:00	02/23/2018	06:27:00	9.2	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: POLK 4 MDC: 181 Run Date: 3/12/2018

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
12	Reserve Shutdown	02/04/2018	22:13:00	02/05/2018	05:13:00	7	0	0000	UNKN	RESERVE SHUTDOWN
13	Reserve Shutdown	02/24/2018	22:28:00	02/26/2018	01:00:00	26.53	0	0000	UNKN	RESERVE SHUTDOWN
14	Planned Outage	02/26/2018	01:00:00	03/02/2018	13:15:00	71	0	6299	COMB	HRSG Clean-up outage, GTG clean-up outage

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: POLK 5 MDC: 181 Run Date: 3/12/2018

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	Reserve Shutdown	02/17/2018	23:35:00	02/19/2018	01:00:00	25.42	0	0000	UNKN	RESERVE SHUTDOWN
18	Planned Outage	02/19/2018	01:00:00	02/24/2018	08:52:00	127.87	0	5272	GAST	GTG#5, Annual EBI, HRSG repairs

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BAYSIDE ST1 MDC: 246 Run Date: 3/12/2018

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
8	Partial Maintenance	02/02/2018	22:52:00	02/03/2018	08:47:00	9.92	164	4499	TURB	ST1 derate - due to 1A CT water wash drain valve.
9	Partial Forced Immed	02/28/2018	01:39:00	02/28/2018	11:40:00	10.02	164	3832	BLPT	ST1 derate - due to 1C HRSG feedwater valve (FWS-\

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BAYSIDE CT1A MDC: 185 Run Date: 3/12/2018

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
13	Reserve Shutdown	02/02/2018	22:13:00	02/02/2018	22:52:00	0.65	0	0000	UNKN	RESERVE SHUTDOWN
14	Maintenance Outage	02/02/2018	22:52:00	02/03/2018	08:47:00	9.92	0	5035	GAST	1A CT water wash drain valve replaced.
15	Reserve Shutdown	02/03/2018	08:47:00	02/04/2018	06:00:00	21.22	0	0000	UNKN	RESERVE SHUTDOWN
16	Reserve Shutdown	02/14/2018	23:04:00	02/15/2018	06:15:00	7.18	0	0000	UNKN	RESERVE SHUTDOWN
17	Reserve Shutdown	02/19/2018	23:22:00	02/20/2018	06:22:00	7	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BAYSIDE CT1B MDC: 185 Run Date: 3/12/2018

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
13	Reserve Shutdown	02/01/2018	10:02:00	02/02/2018	05:33:00	19.52	0	0000	UNKN	RESERVE SHUTDOWN
14	Reserve Shutdown	02/02/2018	23:52:00	02/03/2018	09:35:00	9.72	0	0000	UNKN	RESERVE SHUTDOWN
15	Reserve Shutdown	02/04/2018	23:49:00	02/05/2018	06:25:00	6.6	0	0000	UNKN	RESERVE SHUTDOWN
16	Reserve Shutdown	02/05/2018	22:37:00	02/06/2018	06:17:00	7.67	0	0000	UNKN	RESERVE SHUTDOWN
17	Reserve Shutdown	02/07/2018	22:36:00	02/08/2018	05:47:00	7.18	0	0000	UNKN	RESERVE SHUTDOWN
18	Reserve Shutdown	02/13/2018	22:25:00	02/14/2018	05:30:00	7.08	0	0000	UNKN	RESERVE SHUTDOWN
19	Reserve Shutdown	02/15/2018	00:24:00	02/15/2018	08:30:00	8.1	0	0000	UNKN	RESERVE SHUTDOWN
20	Reserve Shutdown	02/15/2018	22:24:00	02/16/2018	05:47:00	7.38	0	0000	UNKN	RESERVE SHUTDOWN
21	Reserve Shutdown	02/18/2018	22:13:00	02/19/2018	05:39:00	7.43	0	0000	UNKN	RESERVE SHUTDOWN
22	Reserve Shutdown	02/25/2018	00:49:00	02/25/2018	08:25:00	7.6	0	0000	UNKN	RESERVE SHUTDOWN
23	Reserve Shutdown	02/25/2018	23:50:00	02/26/2018	06:46:00	6.93	0	0000	UNKN	RESERVE SHUTDOWN
24	Reserve Shutdown	02/28/2018	00:30:00	02/28/2018	07:38:00	7.13	0	0000	UNKN	RESERVE SHUTDOWN
25	Reserve Shutdown	02/28/2018	22:27:00	03/01/2018	05:38:00	1.55	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BAYSIDE CT1C MDC: 185 Run Date: 3/12/2018

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
15	Reserve Shutdown	01/31/2018	22:29:00	02/01/2018	05:17:00	5.28	0	0000	UNKN	RESERVE SHUTDOWN
16	Reserve Shutdown	02/01/2018	21:48:00	02/02/2018	17:25:00	19.62	0	0000	UNKN	RESERVE SHUTDOWN
17	Reserve Shutdown	02/03/2018	22:03:00	02/04/2018	09:03:00	11	0	0000	UNKN	RESERVE SHUTDOWN
18	Reserve Shutdown	02/05/2018	21:54:00	02/06/2018	05:27:00	7.55	0	0000	UNKN	RESERVE SHUTDOWN
19	Reserve Shutdown	02/06/2018	22:21:00	02/07/2018	06:32:00	8.18	0	0000	UNKN	RESERVE SHUTDOWN
20	Reserve Shutdown	02/08/2018	22:26:00	02/09/2018	05:29:00	7.05	0	0000	UNKN	RESERVE SHUTDOWN
21	Reserve Shutdown	02/10/2018	22:48:00	02/11/2018	08:30:00	9.7	0	0000	UNKN	RESERVE SHUTDOWN
22	Reserve Shutdown	02/11/2018	23:40:00	02/12/2018	06:39:00	6.98	0	0000	UNKN	RESERVE SHUTDOWN
23	Reserve Shutdown	02/13/2018	23:32:00	02/14/2018	06:31:00	6.98	0	0000	UNKN	RESERVE SHUTDOWN
24	Reserve Shutdown	02/17/2018	21:30:00	02/18/2018	08:32:00	11.03	0	0000	UNKN	RESERVE SHUTDOWN
25	Reserve Shutdown	02/18/2018	23:01:00	02/19/2018	08:00:00	8.98	0	0000	UNKN	RESERVE SHUTDOWN
26	Reserve Shutdown	02/21/2018	22:26:00	02/22/2018	06:08:00	7.7	0	0000	UNKN	RESERVE SHUTDOWN
27	Reserve Shutdown	02/23/2018	22:09:00	02/24/2018	09:23:00	11.23	0	0000	UNKN	RESERVE SHUTDOWN
28	Reserve Shutdown	02/24/2018	20:42:00	02/25/2018	06:28:00	9.77	0	0000	UNKN	RESERVE SHUTDOWN
29	Reserve Shutdown	02/25/2018	22:09:00	02/26/2018	05:09:00	7	0	0000	UNKN	RESERVE SHUTDOWN
30	Reserve Shutdown	02/26/2018	23:38:00	02/27/2018	06:36:00	6.97	0	0000	UNKN	RESERVE SHUTDOWN
31	Reserve Shutdown	02/27/2018	22:58:00	02/28/2018	01:39:00	2.68	0	0000	UNKN	RESERVE SHUTDOWN
32	Full Forced Immed	02/28/2018	01:39:00	02/28/2018	11:40:00	10.02	0	3832	BLPT	1C HRSG start-up feedwater regulator valve problem (
33	Reserve Shutdown	02/28/2018	11:40:00	02/28/2018	12:05:00	0.42	0	0000	UNKN	RESERVE SHUTDOWN
34	Reserve Shutdown	02/28/2018	23:24:00	03/01/2018	06:31:00	0.6	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BAYSIDE ST2 MDC: 318 Run Date: 3/12/2018

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	Planned Outage	01/31/2018	11:25:00	01/01/2019	00:00:00	672	0	4400	TURB	Unit 2 spring 2018 major planned outage.

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BAYSIDE CT2A MDC: 185 Run Date: 3/12/2018

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
13	Planned Outage	01/29/2018	19:00:00	01/01/2019	00:00:00	672	0	3832	BLPT	2A CT spring 2018 planned outage.

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BAYSIDE CT2B MDC: 185 Run Date: 3/12/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
EVNT_NO	EVNT_TYPE	START_DATE	START_TIME	EV_DATE	EV_TIME	CALCHRS	GAC	CAUSE_CODE	GRPNAME	VERB_DESC
19	Planned Outage	01/31/2018	11:20:00	01/01/2019	00:00:00	672	0	3832	BLPT	2B CT spring 2018 planned outage.

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BAYSIDE CT2C MDC: 185 Run Date: 3/12/2018

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
15	Planned Outage	01/28/2018	18:21:00	01/01/2019	00:00:00	672	0	3832	BLPT	2C CT spring 2018 planned outage.

**Tampa Electric Company
Outage Listing
(02/01/2018 - 02/28/2018)**

Unit: BAYSIDE CT2D MDC: 185 Run Date: 3/12/2018

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	Planned Outage	01/27/2018	19:41:00	01/01/2019	00:00:00	672	0	3832	BLPT	2D CT spring 2018 planned outage.

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 Communtated 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
HRSG	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		

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
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	98.9	0.0	70.0	99.3	97.5	97.5	96.9	96.8	98.8	100.0	86.0	86.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8760
3. SH	744.0	462.9	0.0	507.9	744.0	718.3	744.0	744.0	701.1	739.6	721.0	626.6	7453.4
4. RSH	0.0	204.8	0.0	16.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	13.3	234.4
5. UH	0.0	4.3	743.0	195.8	0.0	1.7	0.0	0.0	18.9	4.4	0.0	104.1	1072.2
6. POH	0.0	1.3	743.0	167.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	104.1	1015.7
7. FOH	0.0	0.0	0.0	24.7	0.0	1.7	0.0	0.0	18.9	4.4	0.0	0.0	49.7
8. MOH	0.0	3.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.9
9. PFOH	37.2	4.1	0.0	40.8	0.0	9.2	2.5	75.6	8.6	0.0	0.0	0.0	177.9
10. LR PF (MW)	264.0	264.0	0.0	224.6	0.0	198.1	233.7	214.7	233.7	0.0	0.0	0.0	228.7
11. PMOH	7.8	4.9	0.0	62.6	14.9	41.3	53.9	0.0	4.1	13.8	0.0	0.0	203.3
12. LR PM (MW)	264.0	264.0	0.0	79.5	233.7	233.7	233.7	0.0	233.7	233.7	0.0	53.1	188.1
13. NSC (MW)	792	792	792	701	701	701	701	701	701	701	701	792	731
14. OPR BTU(GBTU)	1479.0530	891.6450	0.0000	1198.8280	2122.6040	1755.5870	2162.7590	2488.3000	2615.9490	2085.5500	1948.1620	1381.3600	20129.7970
15. NET GEN (MWH)	197576	119609	-274	161007	288649	239671	290853	334517	353125	278963	263669	185552	2712917
16. ANOHR (BTU/KWH)	7486	7455	0	7446	7354	7325	7436	7438	7408	7476	7389	7445	7420
17. NOF (%)	33.5	32.6	0.0	45.2	55.3	47.6	55.8	64.1	71.9	53.8	52.2	37.4	49.8
18. NPC (MW)	792	792	792	701	701	701	701	701	701	701	701	792	731
19. ANOHR EQUATION	ANOHR = NOF (-9.906) + 8,039												

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
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 (%)	70.3	50.0	97.5	97.0	87.8	89.2	90.9	95.4	97.4	79.9	76.9	90.4	85.5
2. PH	744	672	743	720	744	720	744	744	720	744	721	744	8760
3. SH	527.1	298.7	738.1	720.0	657.9	720.0	744.0	729.4	713.5	599.2	564.2	744.0	7756.2
4. RSH	0.0	42.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0	0.0	52.2
5. UH	216.9	331.0	4.9	0.0	86.1	0.0	0.0	14.6	6.5	144.8	146.8	0.0	951.6
6. POH	216.9	312.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	144.8	146.8	0.0	820.8
7. FOH	0.0	18.7	4.9	0.0	62.2	0.0	0.0	0.0	6.5	0.0	0.0	0.0	92.3
8. MOH	0.0	0.0	0.0	0.0	23.9	0.0	0.0	14.6	0.0	0.0	0.0	0.0	38.5
9. PFOH	14.7	9.4	0.0	71.4	0.0	163.7	147.2	14.4	65.6	0.0	33.1	122.9	642.5
10. LR PF (MW)	261.8	261.8	0.0	232.3	0.0	232.3	232.3	232.3	157.1	0.0	232.3	261.8	231.3
11. PMOH	0.0	10.5	53.6	14.7	19.2	146.3	124.2	64.3	4.3	19.1	46.4	161.7	664.3
12. LR PM (MW)	261.8	261.8	261.8	232.3	232.3	232.3	232.3	232.3	229.3	232.5	232.3	261.8	242.3
13. NSC (MW)	1047	1047	1047	929	929	929	929	929	929	929	929	1047	968
14. OPR BTU(GBTU)	1189.6880	1114.2610	2384.3570	2374.7310	2156.8320	1906.5130	2500.5460	3170.0000	2923.7620	1256.8110	1117.3290	1936.6490	24031.4790
15. NET GEN (MWH)	157433	146101	318307	313417	278762	253553	320829	417625	387413	159540	141459	252109	3146548
16. ANOHR (BTU/KWH)	7557	7627	7491	7577	7737	7519	7794	7591	7547	7878	7899	7682	7637
17. NOF (%)	28.5	46.7	41.2	46.9	45.6	37.9	46.4	61.6	58.5	28.7	27.0	32.4	41.9
18. NPC (MW)	1047	1047	1047	929	929	929	929	929	929	929	929	1047	968
19. ANOHR EQUATION	ANOHR = NOF (-7.777) + 7,937												

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