

AUSLEY & McMULLEN

ATTORNEYS AND COUNSELORS AT LAW

123 SOUTH CALHOUN STREET
P.O. BOX 391 (ZIP 32302)
TALLAHASSEE, FLORIDA 32301
(850) 224-9115 FAX (850) 222-7560

February 26, 2018
ELECTRONIC FILING

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

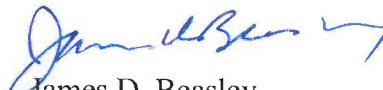
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance
Incentive Factor; FPSC Docket No. 20180001-EI

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 January 2018.

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 February 2018 to the following:

Ms. Suzanne Brownless
Office of the General Counsel
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850
sbrownle@psc.state.fl.us

Ms. Patricia A. Christensen
Associate Public Counsel
Office of Public Counsel
111 West Madison Street – Room 812
Tallahassee, FL 32399-1400
christensen.patty@leg.state.fl.us

Ms. Dianne M. Triplett
Duke Energy Florida, Inc.
299 First Avenue North
St. Petersburg, FL 33701
Dianne.triplett@duke-energy.com

Mr. Matthew R. Bernier
Senior Counsel
Duke Energy Florida, Inc.
106 East College Avenue, Suite 800
Tallahassee, FL 32301-7740
Matthew.bernier@duke-energy.com

Mr. Jon C Moyle, Jr.
Moyle Law Firm
118 North Gadsden Street
Tallahassee, FL 32301
jmoyle@moylelaw.com

Rhonda J. Alexander
Regulatory, Forecasting & Pricing Manager
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0780
rjalexad@southernco.com

Ms. Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 S. Monroe St., Suite 601
Tallahassee, FL 32301
bkeating@gunster.com

Mr. John T. Butler
Maria Moncada
Assistant General Counsel – Regulatory
Florida Power & Light Company
700 Universe Boulevard (LAW/JB)
Juno Beach, FL 33408-0420
john.butler@fpl.com
maria.moncada@fpl.com

Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1859
ken.hoffman@fpl.com

Mr. Mike Cassel
Regulatory and Governmental Affairs
Florida Public Utilities Company
Florida Division of Chesapeake Utilities Corp.
1750 SW 14th Street, Suite 200
Fernandina Beach, FL 32034
mcassel@fpuc.com

Mr. Jeffrey A. Stone
General Counsel
Gulf Power Company
One Energy Place
Pensacola, FL 32520-0100
jastone@southernco.com

Mr. Robert Scheffel Wright
Mr. John T. LaVia, III
Gardner, Bist, Wiener, Wadsworth,
Bowden, Bush, Dee, LaVia & Wright, P.A.
1300 Thomaswood Drive
Tallahassee, FL 32308
Schef@gbwlegal.com
Jlavia@gbwlegal.com

Mr. Russell A. Badders
Mr. Steven R. Griffin
Beggs & Lane
Post Office Box 12950
Pensacola, FL 32591
rab@beggslane.com
srg@beggslane.com

Mr. James W. Brew
Ms. Laura A. Wynn
Stone Mattheis Xenopoulos & Brew, PC
1025 Thomas Jefferson Street, NW
Eighth Floor, West Tower
Washington, D.C. 20007-5201
jbrew@smxblaw.com
laura.wynn@smxblaw.com



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												63.7
2. PH	744												744
3. SH	503.5												503.5
4. RSH	180.2												180.2
5. UH	60.3												60.3
6. POH	0.0												0.0
7. FOH	60.3												60.3
8. MOH	0.0												0.0
9. PFOH	327.6												327.6
10. LR PF (MW)	44.1												44.1
11. PMOH	744.0												744.0
12. LR PM (MW)	91.9												91.9
13. NSC (MW)	395												395
14. OPR BTU(GBTU)	657.1190												657.1190
15. NET GEN (MWH)	62029												62029
16. ANOHR (BTU/KWH)	10594												10594
17. NOF (%)	31.2												31.2
18. NPC (MW)	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												57.3
2. PH	744												744
3. SH	492.1												492.1
4. RSH	0.0												0.0
5. UH	251.9												251.9
6. POH	0.0												0.0
7. FOH	251.9												251.9
8. MOH	0.0												0.0
9. PFOH	787.0												787.0
10. LR PF (MW)	33.4												33.4
11. PMOH	0.0												0.0
12. LR PM (MW)	0.0												0.0
13. NSC (MW)	400												400
14. OPR BTU(GBTU)	1812.2572												1812.2572
15. NET GEN (MWH)	163854												163854
16. ANOHR BTU/KWH	11060												11060
17. NOF (%)	83.2												83.2
18. NPC (MW)	400												400
19. ANOHR EQUATION	ANOHR = NOF (-17.826) + 12,060												

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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 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												78.7
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	1611.4												1611.4
10. LR PF (MW)	43.4												43.4
11. PMOH	0.0												0.0
12. LR PM (MW)	0.0												0.0
13. NSC (MW)	442												442
14. OPR BTU(GBTU)	2826.2489												2826.2489
15. NET GEN (MWH)	254243												254243
16. ANOHR BTU/KWH	11116												11116
17. NOF (%)	77.3												77.3
18. NPC (MW)	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												75.1
2. PH	744												744
3. SH	567.8												567.8
4. RSH	0.0												0.0
5. UH	176.2												176.2
6. POH	0.0												0.0
7. FOH	176.2												176.2
8. MOH	0.0												0.0
9. PFOH	236.6												236.6
10. LR PF (MW)	8.2												8.2
11. PMOH	0.0												0.0
12. LR PM (MW)	0.0												0.0
13. NSC (MW)	220												220
14. OPR BTU(GBTU)	1332.1999												1332.1999
15. NET GEN (MWH)	126117												126117
16. ANOHR BTU/KWH	10563												10563
17. NOF (%)	101.0												101.0
18. NPC (MW)	220												220
19. ANOHR EQUATION	ANOHR = NOF (16.584) + 8,334												

ORIGINAL SHEET NO. 8.401.18A
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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 (%)	90.8												90.8
2. PH	744												744
3. SH	743.0												743.0
4. RSH	44.6												44.6
5. UH	42.5												42.5
6. POH	20.6												20.6
7. FOH	11.8												11.8
8. MOH	10.1												10.1
9. PFOH	656.7												656.7
10. LR PF (MW)	33.9												33.9
11. PMOH	69.1												69.1
12. LR PM (MW)	123.0												123.0
13. NSC (MW)	1200												1200
14. OPR BTU(GBTU)	4009.5850												4009.5850
15. NET GEN (MWH)	586465												586465
16. ANOHR BTU/KWH	6837												6837
17. NOF (%)	65.8												65.8
18. NPC (MW)	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												94.4
2. PH	744												744
3. SH	670.6												670.6
4. RSH	241.6												241.6
5. UH	33.4												33.4
6. POH	0.0												0.0
7. FOH	9.1												9.1
8. MOH	24.2												24.2
9. PFOH	39.6												39.6
10. LR PF (MW)	82.0												82.0
11. PMOH	39.9												39.9
12. LR PM (MW)	82.0												82.0
13. NSC (MW)	792												792
14. OPR BTU(GBTU)	1633.0960												1633.0960
15. NET GEN (MWH)	217843												217843
16. ANOHR (BTU/KWH)	7497												7497
17. NOF (%)	41.0												41.0
18. NPC (MW)	792												792
19. ANOHR EQUATION	ANOHR = NOF (-13.560) + 8,341												

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 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												87.8
2. PH	744												744
3. SH	695.6												695.6
4. RSH	243.7												243.7
5. UH	72.2												72.2
6. POH	46.4												46.4
7. FOH	15.5												15.5
8. MOH	10.3												10.3
9. PFOH	9.4												9.4
10. LR PF (MW)	79.0												79.0
11. PMOH	231.8												231.8
12. LR PM (MW)	79.3												79.3
13. NSC (MW)	1047												1047
14. OPR BTU(GBTU)	1818.3620												1818.3620
15. NET GEN (MWH)	232588												232588
16. ANOHR (BTU/KWH)	7818												7818
17. NOF (%)	31.9												31.9
18. NPC (MW)	1047												1047
19. ANOHR EQUATION	ANOHR = NOF (-11.437) + 8,274												

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**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BIG BEND 2 MDC: 420 Run Date: 2/20/2018

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
1	Partial Forced Immed	01/06/2018	20:40:00	01/07/2018	11:45:00	15.08	200	3113	COND	B Condenser cleaning
2	Full Forced Immed	01/18/2018	05:54:00	01/18/2018	07:18:00	1.4	0	0359	BLR	Boiler tripped on loss of flame (igniter valve logic)
3	Full Forced Immed	01/18/2018	07:22:00	01/18/2018	09:14:00	1.87	0	4430	TURB	Main Turbine tripped (loss of vacuum)
4	Partial Forced Immed	01/18/2018	09:14:00	01/31/2018	09:45:00	24.88	260	1455	BLR	B ID Fan VFD start failure
4	Partial Forced Immed	01/18/2018	09:14:00	01/31/2018	09:45:00	117.88	260	1455	BLR	B ID Fan VFD start failure
4	Partial Forced Immed	01/18/2018	09:14:00	01/31/2018	09:45:00	57	260	1455	BLR	B ID Fan VFD start failure
4	Partial Forced Immed	01/18/2018	09:14:00	01/31/2018	09:45:00	62.32	260	1455	BLR	B ID Fan VFD start failure
4	Partial Forced Immed	01/18/2018	09:14:00	01/31/2018	09:45:00	50.43	260	1455	BLR	B ID Fan VFD start failure
5	Reserve Shutdown	01/19/2018	10:07:00	01/24/2018	08:00:00	117.88	0	0000	UNKN	RESERVE SHUTDOWN
6	Full Forced Immed	01/24/2018	08:00:00	01/26/2018	17:00:00	57	0	9310	EXTL	Unit unavailable until Operator training complete.
7	Reserve Shutdown	01/26/2018	17:00:00	01/29/2018	07:19:00	62.32	0	0000	UNKN	RESERVE SHUTDOWN
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	140.67	310	9180	EXTL	Natural gas only
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	15.08	310	9180	EXTL	Natural gas only
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	258.15	310	9180	EXTL	Natural gas only
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	62.32	310	9180	EXTL	Natural gas only
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	50.43	310	9180	EXTL	Natural gas only
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	14.25	310	9180	EXTL	Natural gas only
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	1.4	310	9180	EXTL	Natural gas only
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	0.07	310	9180	EXTL	Natural gas only
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	1.87	310	9180	EXTL	Natural gas only
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	24.88	310	9180	EXTL	Natural gas only
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	117.88	310	9180	EXTL	Natural gas only
8	Planned Derating	01/01/2018	00:00:00	02/12/2018	14:00:00	57	310	9180	EXTL	Natural gas only



**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BIG BEND 3 MDC: 425 Run Date: 2/20/2018

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
1	Partial Forced Immed	01/01/2018	00:00:00	01/21/2018	12:15:00	286.8	380	1455	BLR	B ID Fan vibration limits.
1	Partial Forced Immed	01/01/2018	00:00:00	01/21/2018	12:15:00	22.23	380	1455	BLR	B ID Fan vibration limits.
1	Partial Forced Immed	01/01/2018	00:00:00	01/21/2018	12:15:00	59.4	380	1455	BLR	B ID Fan vibration limits.
1	Partial Forced Immed	01/01/2018	00:00:00	01/21/2018	12:15:00	29.73	380	1455	BLR	B ID Fan vibration limits.
1	Partial Forced Immed	01/01/2018	00:00:00	01/21/2018	12:15:00	94.08	380	1455	BLR	B ID Fan vibration limits.
2	Full Forced Delayed	01/12/2018	22:48:00	01/13/2018	21:02:00	22.23	0	8230	POLL	A Tower inlet duct leak
3	Full Forced Immed	01/13/2018	21:02:00	01/16/2018	08:26:00	59.4	0	0920	BLR	A Slag tank sluice gate hydraulic cylinder failure. B Sla
4	Partial Forced Immed	01/16/2018	08:26:00	01/17/2018	14:10:00	29.73	300	0920	BLR	Slag tank low pressure water system availability.Natur
6	Partial Forced Immed	01/21/2018	12:15:00	02/01/2018	00:00:00	15.1	375	1455	BLR	B ID Fan vibration limits.
6	Partial Forced Immed	01/21/2018	12:15:00	02/01/2018	00:00:00	13.23	375	1455	BLR	B ID Fan vibration limits.
6	Partial Forced Immed	01/21/2018	12:15:00	02/01/2018	00:00:00	53.2	375	1455	BLR	B ID Fan vibration limits.
6	Partial Forced Immed	01/21/2018	12:15:00	02/01/2018	00:00:00	86.22	375	1455	BLR	B ID Fan vibration limits.
6	Partial Forced Immed	01/21/2018	12:15:00	02/01/2018	00:00:00	84	375	1455	BLR	B ID Fan vibration limits.
7	Partial Forced Delayed	01/22/2018	03:21:00	01/22/2018	16:35:00	13.23	250	3260	BLPT	B screen bound up.
9	Full Forced Immed	01/24/2018	21:47:00	01/28/2018	12:00:00	86.22	0	1488	BLR	APH coupling failure
10	Full Forced Immed	01/28/2018	12:00:00	02/01/2018	13:00:00	84	0	0359	BLR	Gas skid regulator leak thru.

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BIG BEND 4 MDC: 475 Run Date: 2/20/2018

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
1	Partial Forced Immed	01/01/2018	00:00:00	01/02/2018	19:50:00	43.83	400	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	46.17	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	7.67	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	88.33	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	78.02	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	126.98	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	0.5	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	93.72	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	26.27	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	77.5	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	21.67	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	19.35	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	16.48	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	74.83	410	1455	BLR	A ID Fan vibration limits
2	Partial Forced Immed	01/02/2018	19:50:00	02/01/2018	00:00:00	22.68	410	1455	BLR	A ID Fan vibration limits
3	Partial Forced Immed	01/04/2018	18:00:00	01/05/2018	01:40:00	7.67	250	3119	COND	A Debris Filter binding
6	Partial Forced Immed	01/08/2018	18:00:00	01/12/2018	00:01:00	78.02	380	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	02/01/2018	00:00:00	126.98	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	02/01/2018	00:00:00	0.5	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	02/01/2018	00:00:00	77.5	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	02/01/2018	00:00:00	21.67	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	02/01/2018	00:00:00	19.35	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	02/01/2018	00:00:00	16.48	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	02/01/2018	00:00:00	74.83	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	02/01/2018	00:00:00	22.68	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	02/01/2018	00:00:00	93.72	390	8230	POLL	FGD inlet gas duct leak
7	Partial Forced Immed	01/12/2018	00:01:00	02/01/2018	00:00:00	26.27	390	8230	POLL	FGD inlet gas duct leak
8	Partial Forced Immed	01/17/2018	07:00:00	01/17/2018	07:30:00	0.5	320	0264	BLR	A PAF discharge damper closed.
10	Partial Forced Immed	01/20/2018	13:00:00	01/21/2018	10:40:00	21.67	380	9620	RS&E	Particulate matter limit

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BIG BEND 4 MDC: 475 Run Date: 2/20/2018

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	01/21/2018	10:40:00	01/22/2018	06:01:00	19.35	370	9620	RS&E	Particulate matter limit
12	Partial Forced Immed	01/22/2018	06:01:00	01/22/2018	22:30:00	16.48	360	9620	RS&E	Particulate matter limit
13	Partial Forced Immed	01/22/2018	22:30:00	01/26/2018	01:20:00	74.83	380	9620	RS&E	Particulate matter limit
14	Partial Forced Immed	01/26/2018	01:20:00	01/27/2018	00:01:00	22.68	385	8825	NOx	SCR inlet temperature limit
15	Partial Forced Immed	01/27/2018	00:01:00	02/01/2018	00:00:00	93.72	380	8825	NOx	SCR inlet temperature limit
15	Partial Forced Immed	01/27/2018	00:01:00	02/01/2018	00:00:00	26.27	380	8825	NOx	SCR inlet temperature limit
17	Partial Forced Delayed	01/30/2018	21:44:00	02/01/2018	13:10:00	26.27	190	0890	BLR	Bottom ash tanks buildup.Natural gas only.

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: POLK 1 MDC: 290 Run Date: 2/20/2018

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
1	Partial Forced Immed	01/01/2018	08:09:00	01/01/2018	09:52:00	1.72	200	6399	GASF	1F, DGAN Compressor tripped, GTG remained on syn
2	Partial Forced Immed	01/02/2018	03:32:00	01/02/2018	05:02:00	1.5	200	6399	GASF	1F, DGAN Compressor tripped, GTG remained on syn
3	Partial Forced Immed	01/03/2018	07:51:00	01/03/2018	08:51:00	1	200	6399	GASF	1F, DGAN Compressor tripped, GTG remained on syn
4	Partial Forced Immed	01/04/2018	00:48:00	01/04/2018	01:43:00	0.92	200	6399	GASF	1F, DGAN Compressor tripped, GTG remained on syn
5	Partial Forced Immed	01/08/2018	08:12:00	01/08/2018	11:19:00	3.12	200	6399	GASF	1F, DGAN Compressor tripped, GTG remained on syn
6	Full Forced Immed	01/18/2018	09:10:00	01/25/2018	14:37:00	173.45	0	9300	EXTL	1B 230kV tripped, tripped Gasifier, GTG failed to transi
7	Partial Forced Immed	01/18/2018	09:10:00	01/25/2018	19:24:00	173.45	200	9300	EXTL	1B 230kV line tripped ASU MAC, tripped gasifier, resto
7	Partial Forced Immed	01/18/2018	09:10:00	01/25/2018	19:24:00	4.78	200	9300	EXTL	1B 230kV line tripped ASU MAC, tripped gasifier, resto
8	Partial Forced Immed	01/25/2018	19:24:00	01/27/2018	20:24:00	44.12	200	6399	GASF	2G, HP Drum Lvl Control Valve failed, tripped gasifier
8	Partial Forced Immed	01/25/2018	19:24:00	01/27/2018	20:24:00	2.75	200	6399	GASF	2G, HP Drum Lvl Control Valve failed, tripped gasifier
8	Partial Forced Immed	01/25/2018	19:24:00	01/27/2018	20:24:00	2.13	200	6399	GASF	2G, HP Drum Lvl Control Valve failed, tripped gasifier
9	Full Forced Immed	01/27/2018	15:31:00	01/27/2018	18:16:00	2.75	0	9910	PERS	Syngas Pressure Transmitter valved out following calib
10	Partial Forced Immed	01/29/2018	10:44:00	01/29/2018	11:51:00	1.12	200	6399	GASF	6D, Tranfered to Natural Gas to backflush Lean/1rich A

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: POLK 2 MDC: 181 Run Date: 2/20/2018

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
1	Reserve Shutdown	01/09/2018	00:42:00	01/09/2018	07:00:00	6.3	0	0000	UNKN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/11/2018	00:59:00	01/11/2018	13:49:00	12.83	0	0000	UNKN	RESERVE SHUTDOWN
3	Reserve Shutdown	01/12/2018	00:49:00	01/12/2018	07:38:00	6.82	0	0000	UNKN	RESERVE SHUTDOWN
4	Maintenance Outage	01/09/2018	07:00:00	01/09/2018	16:00:00	9	0	5130	GAST	LCI#2 Transformer installation
5	Reserve Shutdown	01/09/2018	16:00:00	01/10/2018	05:49:00	13.82	0	0000	UNKN	RESERVE SHUTDOWN
6	Full Forced Immed	01/18/2018	09:10:00	01/18/2018	23:00:00	13.83	0	9300	EXTL	#1GTG tripped 230kV circuit, tripped GTG (Station Ser
7	Maintenance Outage	01/28/2018	14:12:00	01/29/2018	23:00:00	32.8	0	5035	GAST	Waterwash and CO2 concentration test for upcoming E
8	Reserve Shutdown	01/29/2018	23:00:00	01/30/2018	08:48:00	9.8	0	0000	UNKN	RESERVE SHUTDOWN
9	Startup Failure	01/30/2018	08:48:00	01/30/2018	20:38:00	11.83	0	5248	GAST	MKVle logic for Atomizing Air Compressor corrupt/mis

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: POLK 3 MDC: 181 Run Date: 2/20/2018

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
1	Reserve Shutdown	01/09/2018	09:25:00	01/09/2018	10:23:00	0.97	0	0000	UNKN	Reserve Shutdown,DivDamp to SimCyc, S/U #5 trippe
2	Full Forced Immed	01/18/2018	09:10:00	01/19/2018	01:03:00	15.88	0	9300	EXTL	#1STG tripped 230kV circuit, tripped GTG (Station Ser
3	Reserve Shutdown	01/19/2018	01:50:00	01/19/2018	02:48:00	0.97	0	0000	UNKN	Reserve Shutdown, DivDamp to SimCyc, MP Drum lev
4	Reserve Shutdown	01/20/2018	20:32:00	01/22/2018	05:30:00	32.97	0	0000	UNKN	RESERVE SHUTDOWN
5	Planned Outage	01/22/2018	05:30:00	01/27/2018	23:00:00	137.5	0	5272	GAST	EBI Inspection
6	Reserve Shutdown	01/27/2018	23:00:00	01/28/2018	07:04:00	8.07	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: POLK 4 MDC: 181 Run Date: 2/20/2018

Event Number	Event Type	Start Date	Start Time	End Date	End Time	Duration (Hours)	Unit Cap	Cause Code	Equipment Group	Event Description
1	Reserve Shutdown	01/01/2018	00:00:00	01/01/2018	10:01:00	10.02	0	0000	UNKN	RESERVE SHUTDOWN
2	Startup Failure	01/01/2018	10:01:00	01/01/2018	11:01:00	1	0	6299	COMB	MP Drum Hi level rolled DivDamp to SimpCycle shutdc
3	Reserve Shutdown	01/01/2018	11:01:00	01/01/2018	13:27:00	2.43	0	0000	UNKN	RESERVE SHUTDOWN
4	Reserve Shutdown	01/07/2018	10:16:00	01/07/2018	11:23:00	1.12	0	0000	UNKN	Reserve Shutdown, DivDamp to SimCyc, Bad DCS Ca
5	Reserve Shutdown	01/07/2018	12:52:00	01/09/2018	00:02:00	35.17	0	0000	UNKN	RESERVE SHUTDOWN
6	Reserve Shutdown	01/10/2018	23:36:00	01/11/2018	08:40:00	9.07	0	0000	UNKN	RESERVE SHUTDOWN
7	Reserve Shutdown	01/11/2018	23:26:00	01/12/2018	12:46:00	13.33	0	0000	UNKN	RESERVE SHUTDOWN
8	Reserve Shutdown	01/22/2018	23:54:00	01/23/2018	06:32:00	6.63	0	0000	UNKN	RESERVE SHUTDOWN
9	Reserve Shutdown	01/23/2018	22:03:00	01/24/2018	05:10:00	7.12	0	0000	UNKN	RESERVE SHUTDOWN
10	Maintenance Outage	01/09/2018	00:02:00	01/10/2018	01:25:00	25.38	0	6299	COMB	HP Econmizer Vent Leak Repair
11	Reserve Shutdown	01/10/2018	01:25:00	01/10/2018	04:12:00	2.78	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: POLK 5 MDC: 181 Run Date: 2/20/2018

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
1	Reserve Shutdown	01/01/2018	00:00:00	01/01/2018	10:42:00	10.7	0	0000	UNKN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/07/2018	13:48:00	01/08/2018	04:44:00	14.93	0	0000	UNKN	RESERVE SHUTDOWN
3	Reserve Shutdown	01/08/2018	22:27:00	01/09/2018	04:52:00	6.42	0	0000	UNKN	RESERVE SHUTDOWN
4	Full Forced Immed	01/09/2018	06:14:00	01/09/2018	07:08:00	0.9	0	6299	COMB	Hot Reheat Vv Failed, HRSG DivDamp to SimCyc, did
6	Reserve Shutdown	01/09/2018	07:54:00	01/09/2018	17:27:00	9.55	0	0000	UNKN	Reserve Shutdown, DivDamp to SimCyc, TV523 failed
7	Reserve Shutdown	01/10/2018	00:14:00	01/10/2018	09:51:00	9.62	0	0000	UNKN	RESERVE SHUTDOWN
8	Reserve Shutdown	01/10/2018	22:31:00	01/11/2018	05:19:00	6.8	0	0000	UNKN	RESERVE SHUTDOWN
9	Reserve Shutdown	01/11/2018	22:17:00	01/12/2018	05:41:00	7.4	0	0000	UNKN	RESERVE SHUTDOWN
10	Reserve Shutdown	01/13/2018	00:01:00	01/13/2018	07:35:00	7.57	0	0000	UNKN	RESERVE SHUTDOWN
11	Reserve Shutdown	01/16/2018	23:48:00	01/17/2018	06:18:00	6.5	0	0000	UNKN	RESERVE SHUTDOWN
12	Reserve Shutdown	01/21/2018	00:47:00	01/21/2018	06:34:00	5.78	0	0000	UNKN	RESERVE SHUTDOWN
13	Reserve Shutdown	01/21/2018	23:11:00	01/22/2018	05:51:00	6.67	0	0000	UNKN	RESERVE SHUTDOWN
14	Reserve Shutdown	01/28/2018	01:17:00	01/28/2018	09:31:00	8.23	0	0000	UNKN	RESERVE SHUTDOWN
15	Reserve Shutdown	01/28/2018	23:46:00	01/29/2018	06:54:00	7.13	0	0000	UNKN	RESERVE SHUTDOWN
16	Reserve Shutdown	01/29/2018	20:11:00	01/30/2018	05:44:00	9.55	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BAYSIDE ST1 MDC: 246 Run Date: 2/20/2018

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
1	Partial Maintenance	01/05/2018	16:17:00	01/06/2018	03:00:00	10.72	164	5120	GAST	ST1 derate - due to 1C CT lift oil pressure switch chan
2	Reserve Shutdown	01/08/2018	20:21:00	01/11/2018	06:49:00	58.47	0	0000	UNKN	RESERVE SHUTDOWN
3	Maintenance Outage	01/11/2018	06:49:00	01/11/2018	21:48:00	14.98	0	3238	BLPT	ST1 unavailable due to dead header steam work.
4	Partial Maintenance	01/11/2018	21:48:00	01/12/2018	11:53:00	14.08	82	4619	GEN	ST1 derate - due to 1A CT H2 and CO2 spool piece wr
5	Partial Maintenance	01/11/2018	21:48:00	01/12/2018	12:56:00	14.08	164	5120	GAST	ST1 derate - due to 1B CT work on H2 and CO2 instru
5	Partial Maintenance	01/11/2018	21:48:00	01/12/2018	12:56:00	1.05	164	5120	GAST	ST1 derate - due to 1B CT work on H2 and CO2 instru
6	Partial Forced Delayed	01/21/2018	13:43:00	01/22/2018	19:42:00	29.98	164	3831	BLPT	ST1 derate - due to 1C HRSG cold reheat header off s
7	Partial Forced Immed	01/24/2018	05:15:00	01/24/2018	14:50:00	9.58	164	3832	BLPT	ST1 derate - due to 1A HRSG feedwater valve (FWS-\

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BAYSIDE CT1A MDC: 185 Run Date: 2/20/2018

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
1	Reserve Shutdown	01/01/2018	00:00:00	01/01/2018	17:42:00	17.7	0	0000	UNKN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/04/2018	12:09:00	01/05/2018	04:33:00	16.4	0	0000	UNKN	RESERVE SHUTDOWN
3	Reserve Shutdown	01/06/2018	11:43:00	01/06/2018	20:28:00	8.75	0	0000	UNKN	RESERVE SHUTDOWN
4	Reserve Shutdown	01/07/2018	11:07:00	01/08/2018	05:27:00	18.33	0	0000	UNKN	RESERVE SHUTDOWN
5	Reserve Shutdown	01/08/2018	20:15:00	01/11/2018	06:49:00	58.57	0	0000	UNKN	RESERVE SHUTDOWN
6	Maintenance Outage	01/11/2018	06:49:00	01/12/2018	11:53:00	29.07	0	4619	GEN	1A CT work on H2 and CO2 spool pieces and instrume
7	Reserve Shutdown	01/12/2018	11:53:00	01/15/2018	05:54:00	66.02	0	0000	UNKN	RESERVE SHUTDOWN
8	Reserve Shutdown	01/16/2018	10:59:00	01/17/2018	05:43:00	18.73	0	0000	UNKN	RESERVE SHUTDOWN
9	Reserve Shutdown	01/19/2018	11:46:00	01/22/2018	08:38:00	68.87	0	0000	UNKN	RESERVE SHUTDOWN
10	Reserve Shutdown	01/23/2018	20:47:00	01/24/2018	05:15:00	8.47	0	0000	UNKN	RESERVE SHUTDOWN
11	Full Forced Immed	01/24/2018	05:15:00	01/24/2018	14:50:00	9.58	0	3832	BLPT	1A HRSG HP feedwater valve (FWS-V231) gearhead
12	Reserve Shutdown	01/24/2018	14:50:00	01/27/2018	06:36:00	63.77	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BAYSIDE CT1B MDC: 185 Run Date: 2/20/2018

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
1	Reserve Shutdown	01/02/2018	21:33:00	01/03/2018	06:30:00	8.95	0	0000	UNKN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/04/2018	13:10:00	01/05/2018	05:56:00	16.77	0	0000	UNKN	RESERVE SHUTDOWN
3	Reserve Shutdown	01/08/2018	11:46:00	01/11/2018	06:49:00	67.05	0	0000	UNKN	RESERVE SHUTDOWN
4	Maintenance Outage	01/11/2018	06:49:00	01/12/2018	12:56:00	30.12	0	4619	GEN	1B CT work on H2 and CO2 instrumentation, spool pie
5	Reserve Shutdown	01/12/2018	12:56:00	01/14/2018	07:34:00	42.63	0	0000	UNKN	RESERVE SHUTDOWN
6	Reserve Shutdown	01/15/2018	21:04:00	01/16/2018	06:20:00	9.27	0	0000	UNKN	RESERVE SHUTDOWN
7	Reserve Shutdown	01/17/2018	10:46:00	01/17/2018	17:40:00	6.9	0	0000	UNKN	RESERVE SHUTDOWN
8	Reserve Shutdown	01/19/2018	09:46:00	01/21/2018	12:45:00	50.98	0	0000	UNKN	RESERVE SHUTDOWN
9	Reserve Shutdown	01/22/2018	21:17:00	01/23/2018	05:42:00	8.42	0	0000	UNKN	RESERVE SHUTDOWN
10	Reserve Shutdown	01/27/2018	22:46:00	01/28/2018	13:36:00	14.83	0	0000	UNKN	RESERVE SHUTDOWN
11	Reserve Shutdown	01/28/2018	22:26:00	01/29/2018	09:11:00	10.75	0	0000	UNKN	RESERVE SHUTDOWN
12	Reserve Shutdown	01/29/2018	23:14:00	01/30/2018	16:56:00	17.7	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BAYSIDE CT1C MDC: 185 Run Date: 2/20/2018

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
1	Reserve Shutdown	01/01/2018	00:00:00	01/02/2018	04:45:00	28.75	0	0000	UNKN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/05/2018	11:34:00	01/05/2018	16:17:00	4.72	0	0000	UNKN	RESERVE SHUTDOWN
3	Maintenance Outage	01/05/2018	16:17:00	01/06/2018	03:00:00	10.72	0	5120	GAST	1C CT lift oil pressure switch change out.
4	Reserve Shutdown	01/06/2018	03:00:00	01/11/2018	06:49:00	123.82	0	0000	UNKN	RESERVE SHUTDOWN
5	Maintenance Outage	01/11/2018	06:49:00	01/11/2018	21:48:00	14.98	0	3832	BLPT	1C CT unavailable due to Unit 1 steam dead header w
6	Reserve Shutdown	01/11/2018	21:48:00	01/14/2018	00:12:00	50.4	0	0000	UNKN	RESERVE SHUTDOWN
7	Reserve Shutdown	01/15/2018	00:10:00	01/16/2018	04:13:00	28.05	0	0000	UNKN	RESERVE SHUTDOWN
8	Reserve Shutdown	01/16/2018	11:44:00	01/17/2018	19:14:00	31.5	0	0000	UNKN	RESERVE SHUTDOWN
9	Full Forced Delayed	01/21/2018	13:43:00	01/22/2018	19:42:00	29.98	0	3831	BLPT	1C HRSG cold reheat header off support.
10	Reserve Shutdown	01/22/2018	19:42:00	01/25/2018	04:23:00	56.68	0	0000	UNKN	RESERVE SHUTDOWN
11	Reserve Shutdown	01/26/2018	23:15:00	01/27/2018	08:32:00	9.28	0	0000	UNKN	RESERVE SHUTDOWN
12	Reserve Shutdown	01/27/2018	20:50:00	01/28/2018	12:28:00	15.63	0	0000	UNKN	RESERVE SHUTDOWN
13	Reserve Shutdown	01/28/2018	20:31:00	01/29/2018	05:35:00	9.07	0	0000	UNKN	RESERVE SHUTDOWN
14	Reserve Shutdown	01/29/2018	22:14:00	01/30/2018	07:03:00	8.82	0	0000	UNKN	RESERVE SHUTDOWN
15	Reserve Shutdown	01/31/2018	22:29:00	02/01/2018	05:17:00	1.52	0	0000	UNKN	RESERVE SHUTDOWN

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BAYSIDE ST2 MDC: 318 Run Date: 2/20/2018

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
1	Full Forced Delayed	01/02/2018	12:24:00	01/04/2018	09:57:00	45.55	0	4611	GEN	ST2 generator hydrogen leak on SW H2 cooler.
2	Partial Forced Immed	01/04/2018	09:57:00	01/04/2018	15:39:00	5.7	239	3833	BLPT	ST2 derate - due to 2A CT Hi HRH steam temp.
3	Partial Forced Immed	01/05/2018	05:20:00	01/05/2018	06:28:00	1.13	239	8720	CEM	ST2 derate - due to 2B CT CEMS Nox analyzer failed
4	Partial Maintenance	01/08/2018	10:00:00	01/09/2018	12:25:00	26.42	239	3832	BLPT	ST2 derate - due to 2A CT FWS-V202 actuator rebuild
5	Partial Maintenance	01/10/2018	17:35:00	01/10/2018	22:50:00	5.25	239	3832	BLPT	ST2 derate - due to 2C HP drum FWS-V202 not contr
6	Partial Forced Immed	01/18/2018	04:08:00	01/18/2018	06:30:00	2.37	239	5016	GAST	ST2 derate - due to 2B CT Inlet bleed heat vv. issues.
7	Partial Forced Immed	01/18/2018	07:18:00	01/18/2018	07:31:00	0.22	239	3832	BLPT	ST2 derate - due to 2B CT MSS-V213 issue.
8	Planned Derating	01/27/2018	19:41:00	01/31/2018	11:25:00	15.73	239	3832	BLPT	ST2 derate - 2D CT spring 2018 planned outage.
8	Planned Derating	01/27/2018	19:41:00	01/31/2018	11:25:00	31.58	239	3832	BLPT	ST2 derate - 2D CT spring 2018 planned outage.
8	Planned Derating	01/27/2018	19:41:00	01/31/2018	11:25:00	40.42	239	3832	BLPT	ST2 derate - 2D CT spring 2018 planned outage.
9	Planned Derating	01/28/2018	11:25:00	01/31/2018	11:25:00	31.58	159	3832	BLPT	ST2 derate - 2C CT spring 2018 planned outage.
9	Planned Derating	01/28/2018	11:25:00	01/31/2018	11:25:00	40.42	159	3832	BLPT	ST2 derate - 2C CT spring 2018 planned outage.
10	Planned Derating	01/29/2018	19:00:00	01/31/2018	11:25:00	40.42	80	3832	BLPT	ST2 derate - 2A CT spring 2018 planned outage.
11	Planned Outage	01/31/2018	11:25:00	01/31/2018	23:59:00	12.57	0	4400	TURB	Unit 2 spring 2018 major planned outage.

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BAYSIDE CT2A MDC: 185 Run Date: 2/20/2018

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
1	Reserve Shutdown	01/01/2018	00:00:00	01/01/2018	16:52:00	16.87	0	0000	UNKN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/02/2018	12:20:00	01/03/2018	05:59:00	17.65	0	0000	UNKN	RESERVE SHUTDOWN
3	Maintenance Outage	01/03/2018	06:00:00	01/03/2018	13:00:00	7	0	3832	BLPT	2A CT unavailable due to steam head header valve rep
4	Reserve Shutdown	01/03/2018	13:00:00	01/04/2018	05:30:00	16.5	0	0000	UNKN	RESERVE SHUTDOWN
5	Full Forced Immed	01/04/2018	09:08:00	01/04/2018	15:39:00	6.52	0	3833	BLPT	2A CT went to FSNL due to hi HRH steam temp - gave
6	Reserve Shutdown	01/04/2018	15:39:00	01/04/2018	17:11:00	1.53	0	0000	UNKN	RESERVE SHUTDOWN
7	Reserve Shutdown	01/06/2018	10:09:00	01/07/2018	04:52:00	18.72	0	0000	UNKN	RESERVE SHUTDOWN
8	Reserve Shutdown	01/07/2018	16:25:00	01/08/2018	10:00:00	17.58	0	0000	UNKN	RESERVE SHUTDOWN
9	Maintenance Outage	01/08/2018	10:00:00	01/09/2018	12:25:00	26.42	0	3832	BLPT	2A CT FWS-V202 actuator rebuild.
10	Reserve Shutdown	01/09/2018	12:25:00	01/12/2018	04:34:00	64.15	0	0000	UNKN	RESERVE SHUTDOWN
11	Reserve Shutdown	01/15/2018	11:51:00	01/17/2018	12:20:00	48.48	0	0000	UNKN	RESERVE SHUTDOWN
12	Reserve Shutdown	01/20/2018	11:30:00	01/29/2018	19:00:00	223.5	0	0000	UNKN	RESERVE SHUTDOWN
13	Planned Outage	01/29/2018	19:00:00	02/01/2018	00:00:00	53	0	3832	BLPT	2A CT spring 2018 planned outage.

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**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BAYSIDE CT2B MDC: 185 Run Date: 2/20/2018

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
1	Reserve Shutdown	01/01/2018	00:00:00	01/03/2018	13:00:00	61	0	0000	UNKN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/03/2018	13:01:00	01/03/2018	19:18:00	6.28	0	0000	UNKN	RESERVE SHUTDOWN
3	Reserve Shutdown	01/03/2018	21:52:00	01/04/2018	06:43:00	8.85	0	0000	UNKN	RESERVE SHUTDOWN
4	Reserve Shutdown	01/04/2018	10:38:00	01/05/2018	05:20:00	18.7	0	0000	UNKN	RESERVE SHUTDOWN
5	Full Forced Immed	01/05/2018	05:20:00	01/05/2018	06:28:00	1.13	0	8720	CEM	2B CT CEMS NOx analyzer failed calibration.
7	Reserve Shutdown	01/05/2018	06:28:00	01/06/2018	06:13:00	23.75	0	0000	UNKN	RESERVE SHUTDOWN
8	Reserve Shutdown	01/07/2018	09:37:00	01/07/2018	17:33:00	7.93	0	0000	UNKN	RESERVE SHUTDOWN
9	Reserve Shutdown	01/08/2018	16:21:00	01/10/2018	17:55:00	49.57	0	0000	UNKN	RESERVE SHUTDOWN
10	Reserve Shutdown	01/11/2018	20:37:00	01/14/2018	04:11:00	55.57	0	0000	UNKN	RESERVE SHUTDOWN
11	Reserve Shutdown	01/15/2018	09:55:00	01/16/2018	05:45:00	19.83	0	0000	UNKN	RESERVE SHUTDOWN
12	Reserve Shutdown	01/17/2018	09:46:00	01/18/2018	03:43:00	17.95	0	0000	UNKN	RESERVE SHUTDOWN
13	Full Forced Immed	01/18/2018	04:08:00	01/18/2018	06:30:00	2.37	0	5016	GAST	2B CT Inlet bleed heat vv. issues.
14	Reserve Shutdown	01/18/2018	06:31:00	01/18/2018	06:57:00	0.43	0	0000	UNKN	RESERVE SHUTDOWN
15	Full Forced Immed	01/18/2018	07:18:00	01/18/2018	07:31:00	0.22	0	3832	BLPT	2B CT MSS-V213 issue, tripped MS temp >1100 deg
16	Reserve Shutdown	01/18/2018	07:31:00	01/18/2018	09:50:00	2.32	0	0000	UNKN	RESERVE SHUTDOWN
17	Reserve Shutdown	01/21/2018	21:58:00	01/22/2018	05:34:00	7.6	0	0000	UNKN	RESERVE SHUTDOWN
18	Reserve Shutdown	01/25/2018	20:57:00	01/26/2018	05:01:00	8.07	0	0000	UNKN	RESERVE SHUTDOWN
19	Planned Outage	01/31/2018	11:20:00	02/01/2018	00:00:00	12.67	0	3832	BLPT	2B CT spring 2018 planned outage.

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**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BAYSIDE CT2C MDC: 185 Run Date: 2/20/2018

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
1	Reserve Shutdown	01/02/2018	11:42:00	01/03/2018	05:59:00	18.28	0	0000	UNKN	RESERVE SHUTDOWN
2	Maintenance Outage	01/03/2018	06:00:00	01/03/2018	19:30:00	13.5	0	5110	GAST	2C CT gauge glass repair on seal oil system.
3	Reserve Shutdown	01/03/2018	19:30:00	01/04/2018	02:47:00	7.28	0	0000	UNKN	RESERVE SHUTDOWN
4	Reserve Shutdown	01/05/2018	12:48:00	01/07/2018	15:34:00	50.77	0	0000	UNKN	RESERVE SHUTDOWN
5	Reserve Shutdown	01/07/2018	21:25:00	01/09/2018	06:50:00	33.42	0	0000	UNKN	RESERVE SHUTDOWN
6	Reserve Shutdown	01/09/2018	22:30:00	01/10/2018	16:43:00	18.22	0	0000	UNKN	RESERVE SHUTDOWN
7	Maintenance Outage	01/10/2018	17:35:00	01/10/2018	22:50:00	5.25	0	3832	BLPT	2C HP drum FWS-V202 not controlling.
8	Reserve Shutdown	01/10/2018	22:51:00	01/11/2018	06:25:00	7.57	0	0000	UNKN	RESERVE SHUTDOWN
9	Reserve Shutdown	01/12/2018	14:26:00	01/13/2018	08:36:00	18.17	0	0000	UNKN	RESERVE SHUTDOWN
10	Reserve Shutdown	01/14/2018	11:02:00	01/15/2018	03:22:00	16.33	0	0000	UNKN	RESERVE SHUTDOWN
11	Reserve Shutdown	01/16/2018	22:04:00	01/17/2018	17:27:00	19.38	0	0000	UNKN	RESERVE SHUTDOWN
12	Reserve Shutdown	01/19/2018	10:26:00	01/21/2018	15:53:00	53.45	0	0000	UNKN	RESERVE SHUTDOWN
13	Reserve Shutdown	01/22/2018	22:34:00	01/25/2018	05:36:00	55.03	0	0000	UNKN	RESERVE SHUTDOWN
14	Reserve Shutdown	01/26/2018	21:35:00	01/28/2018	18:21:00	44.77	0	0000	UNKN	RESERVE SHUTDOWN
15	Planned Outage	01/28/2018	18:21:00	02/01/2018	00:00:00	77.65	0	3832	BLPT	2C CT spring 2018 planned outage.

**Tampa Electric Company
Outage Listing
(01/01/2018 - 01/31/2018)**

Unit: BAYSIDE CT2D MDC: 185 Run Date: 2/20/2018

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
1	Reserve Shutdown	01/01/2018	00:00:00	01/02/2018	03:59:00	27.98	0	0000	UNKN	RESERVE SHUTDOWN
2	Reserve Shutdown	01/02/2018	11:11:00	01/03/2018	05:59:00	18.8	0	0000	UNKN	RESERVE SHUTDOWN
3	Maintenance Outage	01/03/2018	06:00:00	01/03/2018	13:00:00	7	0	3832	BLPT	2D CT valve repair.
4	Reserve Shutdown	01/03/2018	13:01:00	01/04/2018	07:28:00	18.45	0	0000	UNKN	RESERVE SHUTDOWN
5	Reserve Shutdown	01/04/2018	09:57:00	01/04/2018	11:49:00	1.87	0	0000	UNKN	RESERVE SHUTDOWN
6	Reserve Shutdown	01/05/2018	10:16:00	01/05/2018	18:27:00	8.18	0	0000	UNKN	RESERVE SHUTDOWN
7	Reserve Shutdown	01/06/2018	13:00:00	01/07/2018	03:23:00	14.38	0	0000	UNKN	RESERVE SHUTDOWN
8	Reserve Shutdown	01/07/2018	11:36:00	01/07/2018	18:46:00	7.17	0	0000	UNKN	RESERVE SHUTDOWN
9	Reserve Shutdown	01/10/2018	20:39:00	01/13/2018	17:00:00	68.35	0	0000	UNKN	RESERVE SHUTDOWN
10	Reserve Shutdown	01/14/2018	11:17:00	01/15/2018	05:05:00	17.8	0	0000	UNKN	RESERVE SHUTDOWN
11	Reserve Shutdown	01/16/2018	10:04:00	01/17/2018	04:21:00	18.28	0	0000	UNKN	RESERVE SHUTDOWN
12	Reserve Shutdown	01/17/2018	13:12:00	01/18/2018	02:44:00	13.53	0	0000	UNKN	RESERVE SHUTDOWN
13	Reserve Shutdown	01/20/2018	10:18:00	01/23/2018	15:16:00	76.97	0	0000	UNKN	RESERVE SHUTDOWN
14	Reserve Shutdown	01/23/2018	23:03:00	01/24/2018	06:28:00	7.42	0	0000	UNKN	RESERVE SHUTDOWN
15	Reserve Shutdown	01/25/2018	22:45:00	01/26/2018	05:40:00	6.92	0	0000	UNKN	RESERVE SHUTDOWN
16	Reserve Shutdown	01/26/2018	10:54:00	01/27/2018	19:41:00	32.78	0	0000	UNKN	RESERVE SHUTDOWN
17	Planned Outage	01/27/2018	19:41:00	02/01/2018	00:00:00	100.32	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 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		