

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

March 25, 2020

ELECTRONIC FILING

Mr. Adam J. Teitzman, Commission Clerk
Office of Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, Florida 32399-0850

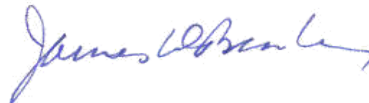
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance
Incentive Factor; FPSC Docket No. 20200001-EI

Dear Mr. Teitzman:

Attached for filing in the above docket is Tampa Electric Company's GPIF Actual Unit
Performance Data Schedules for the month of February 2020.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

JDB/ne

Attachment

cc: All parties of record (w/attachment)

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Schedules, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 25th day of March 2020 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
299 First Avenue North
St. Petersburg, FL 33701
Dianne.triplett@duke-energy.com
FLRegulatoryLegal@duke-energy.com

Mr. Matthew R. Bernier
Senior Counsel
Duke Energy Florida
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

Mr. Steven R. Griffin
Beggs & Lane
P.O. Box 12950
Pensacola FL 32591
srg@beggslane.com

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

Maria Moncada
David M. Lee
Florida Power & Light Company
700 Universe Boulevard
Juno Beach, FL 33408-0420
maria.moncada@fpl.com
david.lee@fpl.com

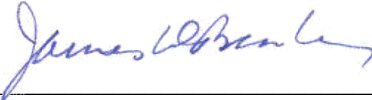
Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1859
ken.hoffman@fpl.com

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. Russell A. Badders
Vice President & Associate General Counsel
Gulf Power Company
One Energy Place
Pensacola FL 32520
russell.badders@nexteranergy.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. James W. Brew
Ms. Laura W. Baker
Stone Mattheis Xenopoulos & Brew, PC
1025 Thomas Jefferson Street, NW
Eighth Floor, West Tower
Washington, D.C. 20007-5201
jbrew@smxblaw.com
lwb@smxblaw.com



ATTORNEY

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2020 - DECEMBER 2020

PLANT/UNIT		MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	PERIOD	
BAYSIDE 1		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020
1. Equivalent Availability Factor (%)	EAF	99.1	88.3											94.4
2. Period Hours	PH	744.0	696.0											1,440.0
3. Service Hours	SH	739.2	480.7											1,219.9
4. Reserve Shutdown Hours	RSH	0.0	142.0											142.0
5. Unavailable Hours	UH	4.8	73.3											78.1
6. Planned Outage Hours	POH	0.0	57.5											57.5
7. Forced Outage Hours	FOH	1.2	0.0											1.2
8. Maintenance Outage Hours	MOH	3.6	15.8											19.4
9a. Partial Planned Outage Hours	PPOH	0.0	0.0											0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0											0.0
10a. Partial Forced Outage Hours	PFOH	2.1	0.0											2.1
10b. Load Reduction Partial Forced (MW)	LRPF	69.4	0.0											69.4
11a. Partial Maintenance Outage Hours	PMOH	4.8	23.9											28.7
11b. Load Reduction Partial Maintenance (MW)	LRPM	78.0	80.4											80.0
12. Net Summer Continuous Rating (MW)	NSC	701.0	701.0											701.0
13. Operating British Thermal Units (GBTU)	OPR BTU	1,875.0	1,493.5											3,368.6
14. Net Generation (MWH)	NETGEN	248,230.8	203,342.1											451,572.9
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,554.0	7,345.0											7,459.7
16. Net Output Factor (%)	NOF	42.1	53.4											46.7
17. Net Period Continuous Rating (MW)	NPC	792.0	792.0											792.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-2.852) + 7,630												

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2020 - DECEMBER 2020

PLANT/UNIT		MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	PERIOD	
BAYSIDE 2		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020
1. Equivalent Availability Factor (%)	EAF	71.3	95.4											83.5
2. Period Hours	PH	744.0	696.0											1,440.0
3. Service Hours	SH	85.2	672.4											757.6
4. Reserve Shutdown Hours	RSH	448.8	0.0											448.8
5. Unavailable Hours	UH	210.0	23.6											233.6
6. Planned Outage Hours	POH	0.0	0.0											0.0
7. Forced Outage Hours	FOH	3.5	6.5											10.0
8. Maintenance Outage Hours	MOH	206.5	17.1											223.6
9a. Partial Planned Outage Hours	PPOH	0.0	0.0											0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0											0.0
10a. Partial Forced Outage Hours	PFOH	4.8	11.2											16.0
10b. Load Reduction Partial Forced (MW)	LRPF	77.1	77.0											77.0
11a. Partial Maintenance Outage Hours	PMOH	9.6	20.2											29.9
11b. Load Reduction Partial Maintenance (MW)	LRPM	77.0	92.4											87.4
12. Net Summer Continuous Rating (MW)	NSC	929.0	929.0											929.0
13. Operating British Thermal Units (GBTU)	OPR BTU	189.5	2,657.5											2,847.0
14. Net Generation (MWH)	NETGEN	22,308.2	357,443.8											379,752.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,496.0	7,435.0											7,497.0
16. Net Output Factor (%)	NOF	25.0	49.1											47.9
17. Net Period Continuous Rating (MW)	NPC	1,047.0	1,047.0											1,047.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-6.673) + 7,965												

2

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2020 - DECEMBER 2020

PLANT/UNIT		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-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020
1. Equivalent Availability Factor (%)	EAF	97.9	81.1											89.8
2. Period Hours	PH	744.0	696.0											1,440.0
3. Service Hours	SH	211.9	120.4											332.3
4. Reserve Shutdown Hours	RSH	516.8	444.0											960.8
5. Unavailable Hours	UH	15.3	131.6											146.9
6. Planned Outage Hours	POH	0.0	0.0											0.0
7. Forced Outage Hours	FOH	1.6	10.7											12.3
8. Maintenance Outage Hours	MOH	13.7	120.9											134.6
9a. Partial Planned Outage Hours	PPOH	0.0	0.0											0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0											0.0
10a. Partial Forced Outage Hours	PFOH	0.0	0.0											0.0
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0											0.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0											0.0
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0											0.0
12. Net Summer Continuous Rating (MW)	NSC	235.0	235.0											235.0
13. Operating British Thermal Units (GBTU)	OPR BTU	256.3	157.0											413.3
14. Net Generation (MWH)	NETGEN	30,426.0	15,360.0											45,786.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,424.0	10,218.0											9,025.8
16. Net Output Factor (%)	NOF	59.3	52.7											56.2
17. Net Period Continuous Rating (MW)	NPC	245.0	245.0											245.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-7.778) + 10,842												

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2020 - DECEMBER 2020

PLANT/UNIT		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		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020
1. Equivalent Availability Factor (%)	EAF	99.4	92.2											97.4
2. Period Hours	PH	744.0	696.0											1,440.0
3. Service Hours	SH	741.6	675.1											1,416.7
4. Reserve Shutdown Hours	RSH	0.0	0.0											0.0
5. Unavailable Hours	UH	2.4	20.9											23.3
6. Planned Outage Hours	POH	0.0	0.0											0.0
7. Forced Outage Hours	FOH	0.1	7.7											7.8
8. Maintenance Outage Hours	MOH	2.3	13.2											15.5
9a. Partial Planned Outage Hours	PPOH	0.0	0.0											0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0											0.0
10a. Partial Forced Outage Hours	PFOH	9.2	14.3											23.5
10b. Load Reduction Partial Forced (MW)	LRPF	166.1	179.5											174.3
11a. Partial Maintenance Outage Hours	PMOH	0.0	106.6											106.6
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	125.0											125.0
12. Net Summer Continuous Rating (MW)	NSC	1,061.0	1,061.0											1,061.0
13. Operating British Thermal Units (GBTU)	OPR BTU	4,418.6	4,119.3											8,537.8
14. Net Generation (MWH)	NETGEN	636,822.0	593,139.0											1,229,961.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	6,938.0	6,945.0											6,941.6
16. Net Output Factor (%)	NOF	71.3	71.0											72.3
17. Net Period Continuous Rating (MW)	NPC	1,200.0	1,200.0											1,200.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-53.862) + 11,266												

Tampa Electric Company
Outage Listing
February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT1(A)	34	Reserve Shutdown	2/6/2020	0:04:00	2/7/2020	5:00:00	28.93	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(A)	35	Maintenance Outage	2/7/2020	5:00:00	2/7/2020	14:54:00	9.9	3430	Feedwater regulating (boiler level control) v	Feed water main control valve leaking through and was repaired	N\A	183
BS CT1(A)	36	Reserve Shutdown	2/7/2020	14:54:00	2/8/2020	5:33:00	14.65	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(A)	37	Reserve Shutdown	2/9/2020	10:40:00	2/10/2020	6:01:00	19.35	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(A)	38	Reserve Shutdown	2/11/2020	0:58:00	2/11/2020	10:29:00	9.52	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(A)	39	Reserve Shutdown	2/13/2020	23:48:00	2/14/2020	6:49:00	7.02	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(A)	40	Reserve Shutdown	2/16/2020	0:52:00	2/16/2020	13:31:00	12.65	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(A)	41	Reserve Shutdown	2/17/2020	21:58:00	2/18/2020	12:14:00	14.27	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(A)	42	Reserve Shutdown	2/19/2020	23:07:00	2/20/2020	15:31:00	16.4	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(A)	43	Reserve Shutdown	2/20/2020	21:21:00	2/24/2020	8:51:00	83.5	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(A)	44	Maintenance Outage	2/24/2020	8:51:00	2/25/2020	6:46:00	21.92	5261	Gas turbine cleaning	Compressor water wash in preparation for the outage.	N\A	183
BS CT1(A)	45	Reserve Shutdown	2/25/2020	6:46:00	2/27/2020	16:40:00	57.9	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(A)	46	Planned Outage	2/27/2020	16:40:00	2/29/2020	23:59:59	55.33	5272	Borescope inspection	Spring Outage	N\A	183

**Tampa Electric Company
Outage Listing
February 2020**

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT1(B)	30	Reserve Shutdown	2/1/2020	0:00:00	2/2/2020	4:37:00	28.62	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	31	Reserve Shutdown	2/3/2020	9:43:00	2/3/2020	16:53:00	7.17	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	32	Reserve Shutdown	2/4/2020	21:52:00	2/5/2020	12:22:00	14.5	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	33	Reserve Shutdown	2/5/2020	21:00:00	2/6/2020	8:30:00	11.5	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	34	Reserve Shutdown	2/6/2020	23:47:00	2/7/2020	17:00:00	17.22	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	35	Reserve Shutdown	2/9/2020	0:24:00	2/9/2020	16:01:00	15.62	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	36	Reserve Shutdown	2/9/2020	23:13:00	2/10/2020	14:34:00	15.35	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	37	Reserve Shutdown	2/11/2020	22:45:00	2/12/2020	10:34:00	11.82	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	38	Reserve Shutdown	2/12/2020	22:29:00	2/13/2020	6:00:00	7.52	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	39	Reserve Shutdown	2/14/2020	23:04:00	2/15/2020	15:52:00	16.8	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	40	Reserve Shutdown	2/17/2020	21:02:00	2/18/2020	8:35:00	11.55	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	41	Reserve Shutdown	2/20/2020	23:15:00	2/25/2020	6:41:00	103.43	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	42	Maintenance Outage	2/25/2020	6:41:00	2/26/2020	6:56:00	24.25	5261	Gas turbine cleaning	Compressor water wash in preparation for the outage.	N\A	183
BS CT1(B)	43	Reserve Shutdown	2/26/2020	6:56:00	2/27/2020	16:40:00	33.73	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	44	Planned Outage	2/27/2020	16:40:00	2/29/2020	23:59:59	55.33	5272	Borescope inspection	Spring outage	N\A	183

Tampa Electric Company
Outage Listing
February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT1(C)	38	Reserve Shutdown	2/1/2020	0:00:00	2/1/2020	6:51:00	6.85	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	39	Reserve Shutdown	2/2/2020	0:03:00	2/2/2020	17:33:00	17.5	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	40	Reserve Shutdown	2/3/2020	22:22:00	2/4/2020	6:11:00	7.82	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	41	Reserve Shutdown	2/4/2020	10:23:00	2/5/2020	9:08:00	22.75	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	42	Maintenance Outage	2/5/2020	9:08:00	2/5/2020	14:15:00	5.12	5120	Hydraulic oil system	Hydraulic pump regulator replacement	N\A	183
BS CT1(C)	43	Reserve Shutdown	2/5/2020	14:15:00	2/5/2020	15:02:00	0.78	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	44	Reserve Shutdown	2/5/2020	15:23:00	2/5/2020	15:26:00	0.05	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	45	Reserve Shutdown	2/7/2020	22:26:00	2/8/2020	17:22:00	18.93	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	46	Reserve Shutdown	2/10/2020	21:20:00	2/11/2020	5:00:00	7.67	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	47	Maintenance Outage	2/11/2020	5:00:00	2/11/2020	12:04:00	7.07	3430	Feedwater regulating (boiler level control)	Repair both start up and main feedwater valves that are	N\A	183
BS CT1(C)	48	Reserve Shutdown	2/11/2020	12:04:00	2/11/2020	14:38:00	2.57	N\A	N\A		N\A	183
BS CT1(C)	49	Reserve Shutdown	2/14/2020	21:40:00	2/15/2020	6:54:00	9.23	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	50	Reserve Shutdown	2/16/2020	21:40:00	2/17/2020	8:58:00	11.3	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	51	Reserve Shutdown	2/19/2020	0:08:00	2/19/2020	7:35:00	7.45	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	52	Reserve Shutdown	2/21/2020	0:37:00	2/27/2020	7:04:00	150.45	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(C)	53	Planned Outage	2/27/2020	7:04:00	2/29/2020	23:59:59	64.93	5272	Borescope inspection	Spring outage	N\A	183

Tampa Electric Company
Outage Listing
February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS ST 1	13	Maintenance Derating	2/5/2020	9:08:00	2/5/2020	14:15:00	5.12	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1C hydraulic pump regulator replacement	164	243
BS ST 1	14	Maintenance Derating	2/7/2020	5:00:00	2/7/2020	14:54:00	9.9	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1A feedwater valve repair.	164	243
BS ST 1	15	Maintenance Derating	2/11/2020	5:00:00	2/11/2020	12:04:00	7.07	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1C main and startup feedwater valve repair	164	243
BS ST 1	16	Reserve Shutdown	2/21/2020	0:40:00	2/27/2020	16:40:00	160	N/A	N/A	Reserve Shutdown	N/A	243
BS ST 1	17	Maintenance Derating	2/24/2020	8:51:00	2/25/2020	6:46:00	21.92	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1A compressor water wash	164	243
BS ST 1	18	Maintenance Derating	2/25/2020	6:41:00	2/25/2020	6:46:00	0.08	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1B compressor water wash in preparation for the outage.	85	243
BS ST 1	19	Maintenance Derating	2/25/2020	6:46:00	2/26/2020	6:56:00	24.17	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1B compressor water wash in preparation for the outage.	160	243
BS ST 1	20	Maintenance Derating	2/27/2020	7:04:00	2/27/2020	16:40:00	9.6	3999	Other miscellaneous balance of plant problems	ST1 derated - 1C compressor water wash	164	243
BS ST 1	21	Planned Outage	2/27/2020	16:40:00	2/29/2020	23:59:59	55.33	3123	Hot well	Spring outageNote: It's our normal spring outage, where we do conden:N/A		243

**Tampa Electric Company
Outage Listing
February 2020**

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT2(A)	15	Maintenance Outage	2/1/2020	0:00:00	2/3/2020	12:54:00	60.9	4700	Generator voltage control	Replacing relay.	N/A	183
BS CT2(A)	16	Reserve Shutdown	2/3/2020	12:54:00	2/3/2020	14:57:00	2.05	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(A)	17	Reserve Shutdown	2/11/2020	21:45:00	2/12/2020	7:33:00	9.8	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(A)	18	Unplanned (Forced) Outage - Immediate	2/12/2020	7:33:00	2/13/2020	20:56:00	37.38	5240	Fire detection and extinguishing system	Unit outage due to low CO2 level and frozen fluid in the storz	N/A	183
BS CT2(A)	19	Reserve Shutdown	2/15/2020	21:13:00	2/16/2020	11:22:00	14.15	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(A)	20	Reserve Shutdown	2/22/2020	21:29:00	2/23/2020	4:28:00	6.98	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(A)	21	Reserve Shutdown	2/25/2020	23:28:00	2/26/2020	6:45:00	7.28	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(A)	22	Maintenance Outage	2/26/2020	6:45:00	2/27/2020	0:00:00	17.25	5272	Borescope inspection	2A EBI Outage	N/A	183
BS CT2(A)	23	Reserve Shutdown	2/27/2020	0:00:00	2/28/2020	19:32:00	43.53	N/A	N/A	Reserve Shutdown	N/A	183

Tampa Electric Company
 Outage Listing
 February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT2(B)	28	Reserve Shutdown	2/1/2020	21:30:00	2/3/2020	4:20:00	30.83	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	29	Reserve Shutdown	2/4/2020	8:54:00	2/5/2020	16:20:00	31.43	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	30	Reserve Shutdown	2/5/2020	22:57:00	2/6/2020	14:59:00	16.03	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	31	Reserve Shutdown	2/6/2020	21:10:00	2/7/2020	6:23:00	9.22	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	32	Reserve Shutdown	2/8/2020	11:21:00	2/9/2020	5:49:00	18.47	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	33	Reserve Shutdown	2/9/2020	21:33:00	2/10/2020	16:40:00	19.12	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	34	Reserve Shutdown	2/10/2020	23:30:00	2/11/2020	11:59:00	12.48	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	35	Reserve Shutdown	2/12/2020	23:39:00	2/13/2020	9:02:00	9.38	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	36	Reserve Shutdown	2/14/2020	0:29:00	2/14/2020	14:54:00	14.42	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	37	Reserve Shutdown	2/14/2020	20:20:00	2/15/2020	12:53:00	16.55	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	38	Reserve Shutdown	2/16/2020	23:46:00	2/17/2020	4:25:00	4.65	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	39	Maintenance Outage	2/17/2020	4:25:00	2/17/2020	11:16:00	6.85	3999	Other miscellaneous balance of plant problems	Common header drain line repair.Note: We took 3 CTs off to	N/A	183
BS CT2(B)	40	Reserve Shutdown	2/17/2020	22:30:00	2/18/2020	10:33:00	12.05	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	41	Reserve Shutdown	2/20/2020	20:11:00	2/21/2020	6:47:00	10.6	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	42	Reserve Shutdown	2/22/2020	23:36:00	2/23/2020	14:40:00	15.07	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	43	Reserve Shutdown	2/24/2020	22:47:00	2/25/2020	6:22:00	7.58	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	44	Reserve Shutdown	2/26/2020	21:26:00	2/27/2020	5:32:00	8.1	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	45	Reserve Shutdown	2/28/2020	9:59:00	2/28/2020	17:41:00	7.7	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	46	Reserve Shutdown	2/29/2020	8:38:00	2/29/2020	23:59:59	15.37	N/A	N/A	Reserve Shutdown	N/A	183

Tampa Electric Company
Outage Listing
February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT2(C)	23	Reserve Shutdown	2/1/2020	0:00:00	2/1/2020	12:42:00	12.7	N\A	N\A	Reserve Shutdown	N\A	183
BS CT2(C)	24	Reserve Shutdown	2/3/2020	8:54:00	2/4/2020	5:16:00	20.37	N\A	N\A	Reserve Shutdown	N\A	183
BS CT2(C)	25	Reserve Shutdown	2/4/2020	20:33:00	2/6/2020	5:54:00	33.35	N\A	N\A	Reserve Shutdown	N\A	183
BS CT2(C)	26	Reserve Shutdown	2/6/2020	23:01:00	2/9/2020	17:11:00	66.17	N\A	N\A	Reserve Shutdown	N\A	183
BS CT2(C)	27	Reserve Shutdown	2/10/2020	22:27:00	2/11/2020	5:34:00	7.12	N\A	N\A	Reserve Shutdown	N\A	183
BS CT2(C)	28	Reserve Shutdown	2/15/2020	23:02:00	2/16/2020	12:35:00	13.55	N\A	N\A	Reserve Shutdown	N\A	183
BS CT2(C)	29	Reserve Shutdown	2/16/2020	20:05:00	2/17/2020	4:25:00	8.33	N\A	N\A	Reserve Shutdown	N\A	183
BS CT2(C)	30	Maintenance Outage	2/17/2020	4:25:00	2/17/2020	10:45:00	6.33	3999	Other miscellaneous balance of plant problems	Common LP steam drain line leak repair.Note: We took 3 CTs	N\A	183
BS CT2(C)	31	Reserve Shutdown	2/17/2020	10:45:00	2/17/2020	15:09:00	4.4	N\A	N\A	Reserve Shutdown	N\A	183
BS CT2(C)	32	Reserve Shutdown	2/18/2020	21:51:00	2/19/2020	5:46:00	7.92	N\A	N\A	Reserve Shutdown	N\A	183
BS CT2(C)	33	Reserve Shutdown	2/23/2020	10:52:00	2/24/2020	5:44:00	18.87	N\A	N\A	Reserve Shutdown	N\A	183
BS CT2(C)	34	Reserve Shutdown	2/25/2020	0:05:00	2/25/2020	11:23:00	11.3	N\A	N\A	Reserve Shutdown	N\A	183
BS CT2(C)	35	Reserve Shutdown	2/28/2020	22:04:00	2/29/2020	23:59:59	25.93	N\A	N\A	Reserve Shutdown	N\A	183

Tampa Electric Company
Outage Listing
February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT2(D)	23	Reserve Shutdown	2/2/2020	21:47:00	2/3/2020	5:21:00	7.57	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(D)	24	Reserve Shutdown	2/3/2020	20:59:00	2/4/2020	17:30:00	20.52	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(D)	25	Reserve Shutdown	2/5/2020	21:58:00	2/6/2020	11:23:00	13.42	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(D)	26	Reserve Shutdown	2/7/2020	0:30:00	2/10/2020	12:21:00	83.85	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(D)	27	Reserve Shutdown	2/11/2020	23:48:00	2/12/2020	9:13:00	9.42	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(D)	28	Reserve Shutdown	2/13/2020	23:08:00	2/14/2020	7:58:00	8.83	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(D)	29	Reserve Shutdown	2/15/2020	0:59:00	2/17/2020	4:25:00	51.43	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(D)	30	Maintenance Outage	2/17/2020	4:25:00	2/17/2020	10:45:00	6.33	3999	Other miscellaneous balance of plant problems	Common LP steam drain line leak repair.Note: We took 3 CTs off to	N/A	183
BS CT2(D)	31	Reserve Shutdown	2/17/2020	10:45:00	2/17/2020	12:57:00	2.2	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(D)	32	Reserve Shutdown	2/17/2020	23:45:00	2/18/2020	13:34:00	13.82	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(D)	33	Reserve Shutdown	2/19/2020	21:42:00	2/20/2020	12:58:00	15.27	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(D)	34	Reserve Shutdown	2/23/2020	21:57:00	2/24/2020	12:29:00	14.53	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(D)	35	Reserve Shutdown	2/26/2020	23:10:00	2/27/2020	17:42:00	18.53	N/A	N/A	Reserve Shutdown	N/A	183

**Tampa Electric Company
Outage Listing
February 2020**

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS ST 2	5	Maintenance Derating	2/1/2020	0:00:00	2/3/2020	12:54:00	60.9	3999	Other miscellaneous balance of plant problems	ST2 derated - repairing 2A protection relay	238	315
BS ST 2	6	Unplanned (Forced) Derating - Immediate	2/12/2020	7:33:00	2/13/2020	20:56:00	37.38	3999	Other miscellaneous balance of plant problems	ST2 Derated - 2A unavailable due to the low CO2 level and frozen conditi	238	315
BS ST 2	7	Maintenance Derating	2/17/2020	4:25:00	2/17/2020	10:44:00	6.32	4279	Miscellaneous turbine piping	ST2 Derated - LP steam drain leak repair	74	315

Tampa Electric Company
Outage Listing
February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Polk 1	13	Reserve Shutdown	2/1/2020	0:00:00	2/2/2020	22:00:00	46	N/A	N/A	Reserve Shutdown	N/A	157
Polk 1	14	Maintenance Outage	2/2/2020	22:00:00	2/7/2020	22:51:00	120.85	5081	High pressure bearings	Clean-up Outage for PKCC1. Waterwash. EBI. Repair DC Link reactor, repair Bearing Tunn	N/A	157
Polk 1	15	Reserve Shutdown	2/7/2020	22:51:00	2/24/2020	12:46:00	397.92	N/A	N/A		N/A	157
Polk 1	16	Startup Failure	2/24/2020	12:46:00	2/24/2020	21:00:00	8.23	5250	Controls and instrumentation	Two flame scanners were not indicating properly. Maintenance performed on adjacent equ	N/A	157
Polk 1	17	Unplanned (Forced) Outage - Immediate	2/24/2020	21:22:00	2/24/2020	22:29:00	1.12	800	Drums and drum internals	LP Drum Level Low tripped GTG1. Logic to be evaluated for sufficiency.	N/A	157
Polk 1	18	Unplanned (Forced) Outage - Immediate	2/27/2020	6:54:00	2/27/2020	8:19:00	1.42	5250	Controls and instrumentation	Exhaust thermocouple failed and tripped GTG1	N/A	157

Tampa Electric Company
Outage Listing
February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Polk 1 ST	4	Reserve Shutdown	2/1/2020	0:00:00	2/2/2020	22:00:00	46 N/A	N/A	Reserve Shutdown		N/A	85
Polk 1 ST	5	Maintenance Outage	2/2/2020	22:00:00	2/7/2020	22:51:00	120.85	4550	Generator bearings and lube oil Clean-up Outage for PKCC1. RO EDI repairs, STG Lube Oil Reservoir repairs, Condensate		N/A	85
Polk 1 ST	6	Reserve Shutdown	2/7/2020	22:51:00	2/24/2020	16:46:00	401.92	N/A	N/A		N/A	85
Polk 1 ST	7	Startup Failure	2/24/2020	16:46:00	2/24/2020	22:22:00	5.6	3999	Other miscellaneous balance o Two flame scanners were not indicating properly. Maintenance performed on adjacent equ		N/A	85
Polk 1 ST	8	Startup Failure	2/24/2020	22:22:00	2/25/2020	1:03:00	2.68	3999	Other miscellaneous balance o LP Drum Level Low tripped GTG1. Logic to be evaluated for sufficiency.		N/A	85
Polk 1 ST	9	Unplanned (Forced) Outage - Immediate	2/27/2020	6:57:00	2/27/2020	9:20:00	2.38	3999	Other miscellaneous balance o Exhaust thermocouple failed and tripped GTG1, STG1 had to be tripped on loss Superheat		N/A	85

Tampa Electric Company
Outage Listing
February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Polk 2	7	Reserve Shutdown	2/4/2020	23:15:00	2/5/2020	5:48:00	6:55	N/A	N/A	Reserve Shutdown	N/A	180

Tampa Electric Company
Outage Listing
February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Polk 2 ST	4	Maintenance Derating	2/1/2020	0:00:00	2/4/2020	15:51:00	87.85	3999	Other miscellaneous balance of plant problems	GTG4 CO2 Tank valve leaking excessively. Required emptying tank to repair. Tank refill	355	480
Polk 2 ST	5	Maintenance Derating	2/8/2020	21:52:00	2/16/2020	8:34:00	178.7	3999	Other miscellaneous balance of plant problems	Reserve Shutdown, GTG4 available for Simple Cycle. HRSG Side Main Steam Drain line fai	355	480
Polk 2 ST	6	Unplanned (Forced) Derating - Immediate	2/18/2020	20:41:00	2/20/2020	8:32:00	35.85	3999	Other miscellaneous balance of plant problems	While shutting down GTG4 for calibration of CPD transmitters, the Generator Breaker fa	355	480
Polk 2 ST	7	Unplanned (Forced) Derating - Immediate	2/18/2020	20:42:00	2/19/2020	12:20:00	15.63	3999	Other miscellaneous balance of plant problems	GTG5 contribution to derate. While shutting down Unit 4 for maintenance the Generator	355	480
Polk 2 ST	5	Unplanned (Forced) Derating - Immediate	3/1/2019	23:03:00	3/2/2019	12:15:00	13.2	3999	Other miscellaneous balance of plant problems	CT2 tripped. Compressor bleed valve failed to open.	385	480
Polk 2 ST	6	Unplanned (Forced) Derating - Immediate	3/7/2019	11:27:00	3/7/2019	12:45:00	1.3	3999	Other miscellaneous balance of plant problems	CT2 bad point on a DCS card. Bypass damper closed shutting down the HRSG. CT2 run on	364	480

Tampa Electric Company
Outage Listing
February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Polk 3	9	Reserve Shutdown	2/25/2020	22:12:00	2/26/2020	6:20:00	8.13	N/A	N/A	Reserve Shutdown	N/A	180

**Tampa Electric Company
Outage Listing
February 2020**

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Polk 4	7	Maintenance Outage	2/1/2020	0:00:00	2/4/2020	15:51:00	87.85	5240	Fire detection and extinguishin	CO2 Tank valve leaking excessively. Required emptying tank to repair. Tank refill dela	N/A	180
Polk 4	8	Reserve Shutdown	2/8/2020	21:52:00	2/13/2020	20:45:00	118.88	N/A	N/A	Reserve Shutdown, GTG4 available for Simple Cycle. HRS side Main Steam Drain line fai	N/A	180
Polk 4	9	Reserve Shutdown	2/13/2020	22:52:00	2/16/2020	8:34:00	57.7	N/A	N/A	Reserve Shutdown	N/A	180
Polk 4	10	Unplanned (Forced) Outage - Immediate	2/18/2020	20:41:00	2/20/2020	8:32:00	35.85	4810	Generator output breaker	While shutting down GTG4 for calibration of CPD transmitters, the Generator Breaker fa	N/A	180

Tampa Electric Company
Outage Listing
February 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Polk 5	7	Unplanned (Forced) Outage - Immediate	2/18/2020	20:42:00	2/19/2020	12:20:00	15.63	3999	Other miscellaneous balance of plar	While shutting down Unit 4 for maintenance the Generator Breaker would not open. This	N/A	180