



FILED 4/25/2023
DOCUMENT NO. 02850-2023
FPSC - COMMISSION CLERK

Attorneys and Counselors at Law
123 South Calhoun Street
P.O. Box 391 32302
Tallahassee, FL 32301

P: (850) 224-9115
F: (850) 222-7560

ausley.com

April 25, 2023

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. 20230001-EI

Dear Mr. Teitzman:

Attached for filing in the above docket are Tampa Electric Company's GPIF Actual Unit
Performance Data Schedules for the month of March 2023.

Thank you for your assistance in connection with this matter.

Sincerely,

A handwritten signature in blue ink that reads 'Malcolm N. Means'.

Malcolm N. Means

MNM/bml
Attachment

cc: All parties of record (w/attachment)
Suzanne Brownless (w/Excel)

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 April 2023 to the following:

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

Charles Rehwinkel
Mary Wessling
Office of Public Counsel
111 West Madison Street, Room 812
Tallahassee, FL 32399-1400
Rehwinkel.charles@leg.state.fl.us
wessling.mary@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
Mr. Robert Pickles
Stephanie A. Cuello
Duke Energy Florida
106 East College Avenue, Suite 800
Tallahassee, FL 32301-7740
Matthew.bernier@duke-energy.com
Robert.pickles@duke-energy.com
Stephanie.Cuello@duke-energy.com

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

Mr. Peter J. Mattheis
Mr. Michael K. Lavanga
Mr. Joseph R. Briscar
Stone Law Firm
1025 Thomas Jefferson St., NW
Suite 800 West
Washington, DC 20007-5201
pjm@smxblaw.com
mkl@smxblaw.com
jrb@smxblaw.com

Robert Scheffel Wright
John T. LaVia III
1300 Thomaswood Drive
Tallahassee FL 32308
schef@gbwlegal.com
jlavia@gbwlegal.com

Michelle D. Napier
1635 Meathe Drive
West Palm Beach, FL 33411
mnapier@fpuc.com

Nucor Steel Florida, Inc.
Corey Allain
22 Nucor Drive
Frostproof FL 33843
corey.allain@nucor.com

George Cavros
Southern Alliance for Clean Energy
120 E. Oakland Park Blvd., Suite 105
Ft. Lauderdale, FL 33334
george@cavros-law.com



ATTORNEY

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2023 - DECEMBER 2023

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 1		Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	2023
1. Equivalent Availability Factor (%)	EAF	98.7	100.0	65.0										87.5
2. Period Hours	PH	744.0	672.0	743.0										2,159.0
3. Service Hours	SH	744.0	672.0	577.4										1,993.4
4. Reserve Shutdown Hours	RSH	0.0	0.0	0.0										0.0
5. Unavailable Hours	UH	6.3	0.1	224.2										230.6
6. Planned Outage Hours	POH	6.3	0.0	219.2										225.5
7. Forced Outage Hours	FOH	0.1	0.1	5.0										5.2
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0										0.0
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	349.9										349.9
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	79.0										79.0
10a. Partial Forced Outage Hours	PFOH	0.4	0.4	7.0										7.8
10b. Load Reduction Partial Forced (MW)	LRPF	19.2	79.0	78.8										75.8
11a. Partial Maintenance Outage Hours	PMOH	27.1	0.0	0.0										27.1
11b. Load Reduction Partial Maintenance (MW)	LRPM	90.0	0.0	0.0										90.0
12. Net Summer Continuous Rating (MW)	NSC	701.0	701.0	701.0										701.0
13. Operating British Thermal Units (GBTU)	OPR BTU	1,896.6	1,436.5	1,691.7										5,024.8
14. Net Generation (MWH)	NETGEN	257,227.1	192,854.6	225,266.3										675,348.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,373.0	7,449.0	7,510.0										7,440.3
16. Net Output Factor (%)	NOF	43.7	36.2	49.3										42.8
17. Net Period Continuous Rating (MW)	NPC	792.0	792.0	792.0										792.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-3.808) + 7,647												

Note: Period hours may not match the Service, RS or Unavailable hours due to the individual componet hours of the Combined Cycle unit.

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2023 - DECEMBER 2023

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	
BAYSIDE 2		Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	2023
1. Equivalent Availability Factor (%)	EAF	78.3	100.0	97.3										91.6
2. Period Hours	PH	744.0	672.0	743.0										2,159.0
3. Service Hours	SH	0.0	134.9	743.0										877.9
4. Reserve Shutdown Hours	RSH	582.9	537.1	0.0										1,120.0
5. Unavailable Hours	UH	161.1	0.0	13.9										175.0
6. Planned Outage Hours	POH	130.2	0.0	0.0										130.2
7. Forced Outage Hours	FOH	30.9	0.0	7.8										38.7
8. Maintenance Outage Hours	MOH	0.0	0.0	6.1										6.1
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0										0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	0.0										0.0
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	42.7										42.7
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	80.3										80.3
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	34.9										34.9
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	77.0										77.0
12. Net Summer Continuous Rating (MW)	NSC	929.0	929.0	929.0										929.0
13. Operating British Thermal Units (GBTU)	OPR BTU	0.0	306.4	3,035.7										3,342.1
14. Net Generation (MWH)	NETGEN	-1,293.0	37,457.0	410,346.7										446,510.7
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	0.0	8,179.0	7,398.0										7,484.9
16. Net Output Factor (%)	NOF	0.0	26.5	52.8										48.6
17. Net Period Continuous Rating (MW)	NPC	1,047.0	1,047.0	1,047.0										1,047.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-21.057) + 8,699												

Note: Period hours may not match the Service, RS or Unavailable hours due to the individual component hours of the Combined Cycle unit.

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2023 - DECEMBER 2023

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	
BIG BEND 4		Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	2023
1. Equivalent Availability Factor (%)	EAF	72.7	96.7	84.8										84.3
2. Period Hours	PH	744.0	672.0	743.0										2,159.0
3. Service Hours	SH	86.1	338.3	704.3										1,128.7
4. Reserve Shutdown Hours	RSH	473.0	311.5	1.0										785.5
5. Unavailable Hours	UH	185.0	22.2	38.7										245.9
6. Planned Outage Hours	POH	0.0	0.0	0.0										0.0
7. Forced Outage Hours	FOH	0.0	22.2	38.7										60.9
8. Maintenance Outage Hours	MOH	185.0	0.0	0.0										185.0
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0										0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	0.0										0.0
10a. Partial Forced Outage Hours	PFOH	86.1	0.0	334.3										420.4
10b. Load Reduction Partial Forced (MW)	LRPF	90.0	0.0	96.3										95.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0										0.0
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0										0.0
12. Net Summer Continuous Rating (MW)	NSC	422.0	422.0	422.0										422.0
13. Operating British Thermal Units (GBTU)	OPR BTU	246.7	763.3	2,021.8										3,031.7
14. Net Generation (MWH)	NETGEN	23,309.0	66,583.0	178,048.0										267,940.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	10,583.0	11,464.0	11,355.0										11,314.9
16. Net Output Factor (%)	NOF	62.7	45.6	58.5										55.0
17. Net Period Continuous Rating (MW)	NPC	432.0	432.0	432.0										432.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-25.146) + 12,463												



ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2023 - DECEMBER 2023

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-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	2023
1. Equivalent Availability Factor (%)	EAF	86.4	99.7	72.1										85.6
2. Period Hours	PH	744.0	672.0	743.0										2,159.0
3. Service Hours	SH	663.1	672.0	517.2										1,852.3
4. Reserve Shutdown Hours	RSH	0.0	0.0	45.1										45.1
5. Unavailable Hours	UH	94.3	0.0	181.7										276.0
6. Planned Outage Hours	POH	25.9	0.0	180.4										206.3
7. Forced Outage Hours	FOH	43.7	0.0	0.0										43.7
8. Maintenance Outage Hours	MOH	24.7	0.0	1.4										26.1
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	235.1										235.1
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	127.0										127.0
10a. Partial Forced Outage Hours	PFOH	108.7	22.5	2.4										133.6
10b. Load Reduction Partial Forced (MW)	LRPF	75.0	114.9	138.8										82.9
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0										0.0
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0										0.0
12. Net Summer Continuous Rating (MW)	NSC	1,061.0	1,061.0	1,061.0										1,061.0
13. Operating British Thermal Units (GBTU)	OPR BTU	3,082.0	2,811.1	2,790.7										8,683.8
14. Net Generation (MWH)	NETGEN	426,079.0	395,062.0	376,172.0										1,197,313.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,233.0	7,116.0	7,419.0										7,252.7
16. Net Output Factor (%)	NOF	53.6	49.0	60.6										53.9
17. Net Period Continuous Rating (MW)	NPC	1,200.0	1,200.0	1,200.0										1,200.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-9.479) + 7,720												

Note: Period hours may not match the Service, RS or Unavailable hours due to the individual component hours of the Combined Cycle unit.

Tampa Electric Company
Outage Listing
March 2023

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)	106	Reserve Shutdown	3/1/2023	0:15:00	3/2/2023	2:49:00	26.57			Reserve Shutdown		183
BS CT1(A)	107	Planned Outage	3/2/2023	2:49:00	3/9/2023	6:19:00	171.5	5274	General unit inspection	Planned outage for routine spring maintenance.		183
BS CT1(A)	108	Reserve Shutdown	3/9/2023	6:19:00	3/9/2023	11:56:00	5.62			Reserve Shutdown		183
BS CT1(A)	109	Unplanned (Forced) C	3/10/2023	15:42:00	3/10/2023	17:16:00	1.57	3416	Other feedwater pump problems	1A brought offline to repair a leak in the BFP mechanical seal cooling water tubing sy		183
BS CT1(A)	110	Reserve Shutdown	3/14/2023	23:29:00	3/16/2023	10:40:00	35.18					183
BS CT1(A)	111	Planned Outage	3/16/2023	10:40:00	3/19/2023	15:02:00	76.37	1810	Other boiler inspections	U1 steamer outage - HRSFG inspections, routine maintenance		183
BS CT1(A)	112	Reserve Shutdown	3/19/2023	15:02:00	3/22/2023	7:28:00	64.43			Reserve Shutdown		183
BS CT1(A)	113	Reserve Shutdown	3/22/2023	11:50:00	3/23/2023	14:42:00	26.87			Reserve Shutdown		183
BS CT1(A)	114	Reserve Shutdown	3/25/2023	22:37:00	3/26/2023	12:41:00	14.07			Reserve Shutdown		183
BS CT1(A)	115	Reserve Shutdown	3/29/2023	22:34:00	3/30/2023	15:15:00	16.68			Reserve Shutdown		183
BS CT1(A)	116	Startup Failure	3/30/2023	15:15:00	3/30/2023	17:40:00	2.42	5130	Starting system (including motor)	LCI Disconnect Service Trip		183

**Tampa Electric Company
Outage Listing
March 2023**

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)	78	Unplanned (Forced) C	3/7/2023	10:00:00	3/7/2023	11:53:00	1.88	5041	Fuel piping and valves	1B trip due to fuel gas skid performance heater inlet valve (V213) closure. Solenoid v		183
BS CT1(B)	79	Planned Outage	3/9/2023	21:55:00	3/22/2023	5:20:00	294.42	5274	General unit inspection	1B Spring planned outage - HRSG inspection and routine maintenance		183
BS CT1(B)	80	Reserve Shutdown	3/22/2023	5:20:00	3/22/2023	6:40:00	1.33			Reserve Shutdown		183
BS CT1(B)	81	Startup Failure	3/22/2023	6:40:00	3/22/2023	8:47:00	2.12	4750	Other generator controls a	Trouble with exciter, moved to another unit for startup.		183
BS CT1(B)	82	Reserve Shutdown	3/22/2023	8:47:00	3/22/2023	17:36:00	8.82			Reserve Shutdown		183
BS CT1(B)	83	Reserve Shutdown	3/28/2023	0:09:00	3/28/2023	12:53:00	12.73			Reserve Shutdown		183
BS CT1(B)	84	Startup Failure	3/28/2023	12:53:00	3/28/2023	13:29:00	0.6	5130	Starting system (including	LCI tripped at startup. Master reset & unit brought back online		183

Tampa Electric Company
Outage Listing
March 2023

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)	129	Reserve Shutdown	3/1/2023	0:00:00	3/1/2023	12:06:00	12.1			Reserve Shutdown		183
BS CT1(C)	130	Reserve Shutdown	3/1/2023	22:16:00	3/2/2023	11:03:00	12.78			Reserve Shutdown		183
BS CT1(C)	131	Reserve Shutdown	3/2/2023	22:12:00	3/3/2023	11:18:00	13.1			Reserve Shutdown		183
BS CT1(C)	132	Reserve Shutdown	3/11/2023	0:46:00	3/11/2023	12:58:00	12.2			Reserve Shutdown https://portal.spsinc.com/images/rightArrowhead.png		183
BS CT1(C)	133	Planned Outage	3/15/2023	23:12:00	3/24/2023	6:09:00	198.95	5274	General unit inspection	U1 PB Planned Outage - routine maintenance & HRSG inspections		183
BS CT1(C)	134	Reserve Shutdown	3/24/2023	6:09:00	3/25/2023	12:06:00	29.95			Reserve Standby		183
BS CT1(C)	135	Unplanned (Forced) C	3/25/2023	13:02:00	3/25/2023	13:32:00	0.5	0520	Other main steam valves (including vent and 1C tripped offline for steam high steam temperature			183
BS CT1(C)	136	Reserve Shutdown	3/25/2023	13:32:00	3/25/2023	19:57:00	6.42			Reserve Shutdown		183
BS CT1(C)	137	Reserve Shutdown	3/27/2023	8:22:00	3/27/2023	15:30:00	7.13			Reserve Shutdown		183
BS CT1(C)	138	Reserve Shutdown	3/30/2023	11:37:00	3/31/2023	15:24:00	27.78			Reserve Shutdown		183
BS CT1(C)	139	Reserve Shutdown	3/31/2023	21:41:00	3/31/2023	23:59:00	2.32			Reserve Shutdown		183

Tampa Electric Company
Outage Listing
March 2023

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	6	Planned Derating	3/2/2023	2:49:00	3/9/2023	6:19:00	171.5	3999	Other miscellaneous balance of plant problems	1A Planned outage for routine spring maintenance.	164	243
BS ST 1	7	Unplanned (Forced) Derating - Immediate	3/7/2023	10:00:00	3/7/2023	11:53:00	1.88	3999	Other miscellaneous balance of plant problems	1B trip due to fuel gas skid performance heater inlet valve (V213) closure	164	243
BS ST 1	8	Planned Derating	3/9/2023	21:55:00	3/15/2023	23:14:00	144.32	3999	Other miscellaneous balance of plant problems	U1B Planned Outage for HRSG inspections & routine maintenance	164	243
BS ST 1	9	Unplanned (Forced) Derating - Immediate	3/10/2023	15:42:00	3/10/2023	17:16:00	1.57	3999	Other miscellaneous balance of plant problems	1A brought offline to repair a leak in the BFP mechanical seal cooling water	164	243
BS ST 1	10	Planned Outage	3/15/2023	23:14:00	3/22/2023	11:31:00	156.28	4840	Inspection	U1 PB Planned Spring Outage - thrust probe maintenance, vacuum pump maintenance, and r	164	243
BS ST 1	11	Unplanned (Forced) Outage - Immediate	3/22/2023	11:43:00	3/22/2023	21:03:00	9.33	4499	Other miscellaneous steam turbine problems	High Vibration No. 1 Steam Turbine - tripped online for investigation	164	243
BS ST 1	12	Planned Derating	3/22/2023	21:03:00	3/24/2023	6:09:00	33.1	3999	Other miscellaneous balance of plant problems	1C spring outage - HRSG inspections and routine maintenance.	164	243
BS ST 1	13	Unplanned (Forced) Derating - Immediate	3/25/2023	13:02:00	3/25/2023	13:32:00	0.5	3999	Other miscellaneous balance of plant problems	1C tripped offline for steam high steam temperature	164	243
BS ST 1	14	Unplanned (Forced) Derating - Immediate	3/28/2023	12:53:00	3/28/2023	13:29:00	0.6	9320	Other miscellaneous external problems	LCI tripped at 1B startup. Master reset & unit brought back online	164	243
BS ST 1	15	Unplanned (Forced) Derating - Immediate	3/30/2023	15:15:00	3/30/2023	17:40:00	2.42	3999	Other miscellaneous balance of plant problems	LCI Disconnect Service Trip @ 1A startup	164	243

Tampa Electric Company
 Outage Listing
 March 2023

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)	20	Reserve Shutdown	3/1/2023	0:00:00	3/1/2023	10:40:00	10.67			Reserve Shutdown		183
BS CT2(A)	21	Reserve Shutdown	3/1/2023	21:13:00	3/2/2023	14:51:00	17.63			Reserve Shutdown		183
BS CT2(A)	22	Reserve Shutdown	3/6/2023	23:37:00	3/7/2023	10:28:00	10.85			Reserve Shutdown		183
BS CT2(A)	23	Reserve Shutdown	3/9/2023	22:54:00	3/10/2023	12:22:00	13.47			Reserve Shutdown		183
BS CT2(A)	24	Reserve Shutdown	3/14/2023	9:40:00	3/14/2023	16:41:00	7.02			Reserve Shutdown		183
BS CT2(A)	25	Reserve Shutdown	3/25/2023	1:04:00	3/25/2023	13:31:00	12.45			Reserve Shutdown		183
BS CT2(A)	26	Reserve Shutdown	3/27/2023	23:14:00	3/28/2023	12:23:00	13.15			Reserve Shutdown		183
BS CT2(A)	27	Reserve Shutdown	3/28/2023	23:14:00	3/29/2023	15:32:00	16.3			Reserve Shutdown		183

Tampa Electric Company
Outage Listing
March 2023

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)	74	Reserve Shutdown	3/2/2023	20:32:00	3/3/2023	15:42:00	19.17			Reserve Shutdown		183
BS CT2(B)	75	Unplanned (Forced) C	3/3/2023	15:42:00	3/5/2023	10:21:00	42.65	4750	Other generator controls and metering problems	2B outage. Exciter control card failure. GE called in to reprogram the exciter.		183
BS CT2(B)	76	Reserve Shutdown	3/5/2023	10:21:00	3/5/2023	12:23:00	2.03			Reserve Shutdown		183
BS CT2(B)	77	Reserve Shutdown	3/8/2023	1:01:00	3/8/2023	11:31:00	10.5			Reserve Shutdown		183
BS CT2(B)	78	Reserve Shutdown	3/10/2023	0:09:00	3/10/2023	12:55:00	12.77			Reserve Shutdown		183
BS CT2(B)	79	Reserve Shutdown	3/14/2023	9:40:00	3/14/2023	18:31:00	8.85			Reserve Shutdown		183
BS CT2(B)	80	Reserve Shutdown	3/15/2023	6:27:00	3/16/2023	16:28:00	34.02			Reserve Shutdown		183
BS CT2(B)	81	Reserve Shutdown	3/18/2023	0:30:00	3/18/2023	14:43:00	14.22			Reserve Shutdown		183
BS CT2(B)	82	Reserve Shutdown	3/19/2023	22:41:00	3/20/2023	0:00:00	1.32			Reserve Shutdown		183
BS CT2(B)	83	Reserve Shutdown	3/20/2023	0:00:00	3/21/2023	2:58:00	26.97			Reserve Shutdown		183
BS CT2(B)	84	Reserve Shutdown	3/22/2023	9:35:00	3/22/2023	15:50:00	6.25			Reserve Shutdown		183
BS CT2(B)	85	Reserve Shutdown	3/23/2023	3:22:00	3/23/2023	16:15:00	12.88			Reserve Shutdown		183
BS CT2(B)	86	Reserve Shutdown	3/24/2023	0:26:00	3/24/2023	15:22:00	14.93			Reserve Shutdown		183
BS CT2(B)	87	Reserve Shutdown	3/27/2023	1:22:00	3/27/2023	11:41:00	10.32			Reserve Shutdown		183
BS CT2(B)	88	Reserve Shutdown	3/29/2023	0:48:00	3/30/2023	13:46:00	36.97			Reserve Shutdown		183
BS CT2(B)	73	Reserve Shutdown	3/30/2023	23:24:00	3/31/2023	16:47:00	17.38			Reserve Shutdown		183

Tampa Electric Company
Outage Listing
March 2023

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)	51	Reserve Shutdown	3/1/2023	0:00:00	3/1/2023	16:24:00	16.4			Reserve Shutdown		183
BS CT2(C)	52	Reserve Shutdown	3/1/2023	22:52:00	3/2/2023	16:26:00	17.57			Reserve Shutdown		183
BS CT2(C)	53	Reserve Shutdown	3/3/2023	0:22:00	3/3/2023	15:43:00	15.35			Reserve Shutdown		183
BS CT2(C)	54	Maintenance Outage	3/5/2023	21:44:00	3/6/2023	13:40:00	15.93			2C outage to investigate and realign the 2C BFP		183
BS CT2(C)	55	Reserve Shutdown	3/6/2023	13:40:00	3/6/2023	15:22:00	1.7			Reserve Shutdown		183
BS CT2(C)	56	Reserve Shutdown	3/9/2023	0:36:00	3/9/2023	13:26:00	12.83			Reserve Shutdown		183
BS CT2(C)	57	Reserve Shutdown	3/12/2023	0:00:00	3/12/2023	13:02:00	12.03			Reserve Shutdown		183
BS CT2(C)	58	Reserve Shutdown	3/15/2023	6:27:00	3/15/2023	16:30:00	10.05			Reserve Shutdown		183
BS CT2(C)	59	Reserve Shutdown	3/17/2023	1:26:00	3/17/2023	3:50:00	2.4			Reserve Shutdown		183
BS CT2(C)	60	Reserve Shutdown	3/19/2023	0:37:00	3/20/2023	17:46:00	41.15			Reserve Shutdown		183
BS CT2(C)	61	Reserve Shutdown	3/21/2023	9:41:00	3/21/2023	18:19:00	8.63			Reserve Shutdown		183
BS CT2(C)	62	Reserve Shutdown	3/22/2023	23:58:00	3/23/2023	15:18:00	15.33			Reserve Shutdown		183
BS CT2(C)	63	Reserve Shutdown	3/23/2023	23:27:00	3/24/2023	13:58:00	14.52			Reserve Shutdown		183
BS CT2(C)	64	Reserve Shutdown	3/26/2023	23:46:00	3/27/2023	6:34:00	6.8			Reserve Shutdown		183
BS CT2(C)	65	Reserve Shutdown	3/30/2023	0:44:00	3/31/2023	12:48:00	36.07			Reserve Shutdown		183

Tampa Electric Company
Outage Listing
March 2023

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)	102	Reserve Shutdown	3/1/2023	0:00:00	3/1/2023	13:51:00	13.85			Reserve Shutdown		183
BS CT2(D)	103	Reserve Shutdown	3/1/2023	20:12:00	3/2/2023	12:52:00	16.67			Reserve Shutdown		183
BS CT2(D)	104	Reserve Shutdown	3/2/2023	21:30:00	3/3/2023	14:02:00	16.53			Reserve Shutdown		183
BS CT2(D)	105	Unplanned (Forced) Outage - Immediate	3/5/2023	7:59:00	3/5/2023	9:48:00	1.82	3411	Feedwater pump drive - motor	2D Boiler Feedwater Pump motor protection relay failure - unit brought offline to req		183
BS CT2(D)	106	Reserve Shutdown	3/7/2023	23:51:00	3/8/2023	6:37:00	6.77			Reserve Shutdown		183
BS CT2(D)	107	Reserve Shutdown	3/8/2023	23:07:00	3/9/2023	12:36:00	13.48			Reserve Shutdown		183
BS CT2(D)	108	Reserve Shutdown	3/11/2023	22:45:00	3/12/2023	14:55:00	15.17			Reserve Shutdown		183
BS CT2(D)	109	Reserve Shutdown	3/15/2023	12:16:00	3/16/2023	18:07:00	29.85			Reserve Shutdown		183
BS CT2(D)	110	Reserve Shutdown	3/18/2023	23:07:00	3/19/2023	9:50:00	10.72			Reserve Shutdown		183
BS CT2(D)	111	Reserve Shutdown	3/21/2023	8:50:00	3/22/2023	5:32:00	20.7			Reserve Shutdown		183
BS CT2(D)	112	Reserve Shutdown	3/22/2023	8:50:00	3/22/2023	16:42:00	7.87			Reserve Shutdown		183
BS CT2(D)	113	Maintenance Outage	3/22/2023	21:34:00	3/23/2023	16:30:00	18.93	5120	Hydraulic oil system	2D hydraulic manifold relief valve & surge pump compensator replacement		183
BS CT2(D)	114	Reserve Shutdown	3/23/2023	16:30:00	3/23/2023	18:35:00	2.08			Reserve Shutdown		183
BS CT2(D)	115	Reserve Shutdown	3/26/2023	0:50:00	3/26/2023	13:37:00	12.78			Reserve Shutdown		183
BS CT2(D)	116	Reserve Shutdown	3/28/2023	1:16:00	3/28/2023	15:49:00	14.55			Reserve Shutdown		183
BS CT2(D)	117	Reserve Shutdown	3/29/2023	23:30:00	3/30/2023	15:53:00	16.38			Reserve Shutdown		183
BS CT2(D)	84	Reserve Shutdown	3/31/2023	2:55:00	3/31/2023	23:59:00	21.08			Reserve Shutdown		183

Tampa Electric Company
 Outage Listing
 March 2023

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	2	Unplanned (Forced) Derating - Immediate	3/3/2023	15:42:00	3/5/2023	10:21:00	42.65 3999	Other miscellaneous balance of plant problems	2B outage - bridge fan failure - fan jumped out, and unit returned to s		238	315
BS ST 2	3	Unplanned (Forced) Derating - Immediate	3/5/2023	7:59:00	3/5/2023	9:48:00	1.82 3999	Other miscellaneous balance of plant problems	2D Boiler Feedwater Pump motor protection relay failure - unit brought		238	315
BS ST 2	4	Planned Derating	3/5/2023	21:44:00	3/6/2023	13:40:00	15.93 3999	Other miscellaneous balance of plant problems	2C outage to investigate and realign the 2C BFP		238	315
BS ST 2	5	Planned Derating	3/22/2023	21:34:00	3/23/2023	16:30:00	18.93 3999	Other miscellaneous balance of plant problems	2D hydraulic manifold relief valve & surge pump compensator replacem		238	315

Tampa Electric Company
Outage Listing
March 2023

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
Big Bend 4	17	Unplanned (I)	3/16/2023	11:00:00	3/29/2023	14:50:00	315.83	0260	Primary air fan	B Primary air fan reached its upper vibration limitation.	322	432
Big Bend 4	18	Unplanned (I)	3/23/2023	16:26:00	3/25/2023	7:08:00	38.7	3620	Main transformer	Main transformer developed an oil leak. Unit was removed from service to repair (norma		432
Big Bend 4	19	Unplanned (I)	3/29/2023	14:50:00	3/31/2023	23:59:00	57.17	0260	Primary air fan	B Primary air fan reached its upper vibration limitation.	402	432

Tampa Electric Company
Outage Listing
March 2023

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	43	Planned Outage	3/3/2023	22:45:00	3/11/2023	14:00:00	183.25	0520	Other main steam valves (inclu	Planned outage on CT2 to work on various CT and HRSG equipment. Work included but is n		180
Polk 2	44	Reserve Shutdown	3/11/2023	14:00:00	3/13/2023	11:12:00	44.2			Reserve Shutdown		180
Polk 2	45	Reserve Shutdown	3/13/2023	21:27:00	3/14/2023	13:59:00	16.53			Reserve Shutdown		180
Polk 2	42	Reserve Shutdown	3/31/2023	23:34:00	3/31/2023	23:59:00	0.43			Reserve Shutdown		180

Tampa Electric Company
 Outage Listing
 March 2023

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	5	Planned Derating	3/3/2023	22:45:00	3/4/2023	0:17:00	1:53	3999	Other miscellaneous balance of plant problems	Planned outage on CT2.	360	480
Polk 2 ST	6	Planned Outage	3/4/2023	0:17:00	3/14/2023	19:36:00	258:32	4261	Control valves	Planned outage to maintain ST, unit HRSG's, and some common electrical equipment. Main	480	480
Polk 2 ST	7	Planned Derating	3/14/2023	19:36:00	3/18/2023	10:19:00	86:72	3999	Other miscellaneous balance of plant problems	Planned outage on CT3.	341	480
Polk 2 ST	8	Unplanned (Forced) Derating - Immediate	3/15/2023	7:35:00	3/15/2023	10:00:00	2:42	3999	Other miscellaneous balance of plant problems	CT4 failed to start due to broken IP to CRH return control valve DVC. CT4 could not pr	341	480
Polk 2 ST	9	Planned Derating	3/24/2023	23:24:00	3/31/2023	2:15:00	146:85	3999	Other miscellaneous balance of plant problems	Planned outage on CT5.	360	480

Tampa Electric Company
Outage Listing
March 2023

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	41	Reserve Shutdown	3/1/2023	0:00:00	3/1/2023	15:30:00	15.5			Reserve Shutdown		180
Polk 3	42	Reserve Shutdown	3/4/2023	0:27:00	3/4/2023	13:30:00	13.05			Reserve Shutdown		180
Polk 3	43	Reserve Shutdown	3/4/2023	21:27:00	3/5/2023	14:52:00	17.42			Reserve Shutdown		180
Polk 3	44	Reserve Shutdown	3/5/2023	23:02:00	3/6/2023	11:24:00	12.37			Reserve Shutdown		180
Polk 3	45	Reserve Shutdown	3/6/2023	22:17:00	3/7/2023	11:12:00	12.92			Reserve Shutdown		180
Polk 3	46	Reserve Shutdown	3/7/2023	21:10:00	3/8/2023	12:44:00	15.57			Reserve Shutdown		180
Polk 3	47	Reserve Shutdown	3/8/2023	23:43:00	3/10/2023	16:20:00	40.62			Reserve Shutdown		180
Polk 3	48	Planned Outage	3/10/2023	17:53:00	3/18/2023	10:19:00	183.43	0700	Blowdown system valves	CT3 planned outage to perform scheduled maintenance on various CT and HRSG equipment.		180
Polk 3	49	Reserve Shutdown	3/20/2023	11:16:00	3/20/2023	18:54:00	7.63			Reserve Shutdown		180
Polk 3	50	Maintenance Outage	3/20/2023	23:22:00	3/21/2023	5:58:00	6.6	0520	Other main steam valves (inclu	During operation, IP drum level became difficult to control. It was discovered the l t		180

Tampa Electric Company
 Outage Listing
 March 2023

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	36	Reserve Shutdown	3/2/2023	23:11:00	3/3/2023	7:30:00	8.32			Reserve Shutdown	180	180
Polk 4	37	Reserve Shutdown	3/3/2023	23:08:00	3/4/2023	10:21:00	11.22			Reserve Shutdown	180	180
Polk 4	38	Reserve Shutdown	3/4/2023	22:32:00	3/5/2023	17:14:00	18.7			Reserve Shutdown	180	180
Polk 4	39	Reserve Shutdown	3/5/2023	23:47:00	3/6/2023	10:44:00	10.95			Reserve Shutdown	180	180
Polk 4	40	Reserve Shutdown	3/6/2023	20:24:00	3/7/2023	17:59:00	21.58			Reserve Shutdown	180	180
Polk 4	41	Reserve Shutdown	3/7/2023	22:54:00	3/8/2023	13:19:00	14.42			Reserve Shutdown	180	180
Polk 4	42	Reserve Shutdown	3/8/2023	21:45:00	3/10/2023	15:53:00	42.13			Reserve Shutdown	180	180
Polk 4	43	Reserve Shutdown	3/10/2023	20:51:00	3/11/2023	18:21:00	21.5			Reserve Shutdown	180	180
Polk 4	44	Reserve Shutdown	3/11/2023	21:20:00	3/12/2023	16:25:00	18.08			Reserve Shutdown	180	180
Polk 4	45	Reserve Shutdown	3/12/2023	22:40:00	3/13/2023	12:26:00	13.77			Reserve Shutdown	180	180
Polk 4	46	Reserve Shutdown	3/13/2023	23:30:00	3/15/2023	5:33:00	30.05			Reserve Shutdown	180	180
Polk 4	47	Maintenance Outage	3/15/2023	7:35:00	3/15/2023	10:01:00	2.43	0520	Other main steam valves (inclu	Unit could still run simple cycle but was allowed to remain offline during IP to CRH r	180	180
Polk 4	48	Reserve Shutdown	3/22/2023	0:53:00	3/22/2023	13:32:00	12.65			Reserve Shutdown	180	180

Tampa Electric Company
 Outage Listing
 March 2023

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	38	Reserve Shutdown	3/2/2023	0:35:00	3/2/2023	12:18:00	11.72			Reserve Shutdown	180	180
Polk 5	39	Reserve Shutdown	3/3/2023	22:56:00	3/4/2023	17:17:00	18.35			Reserve Shutdown	180	180
Polk 5	40	Reserve Shutdown	3/4/2023	23:24:00	3/5/2023	10:03:00	10.65			Reserve Shutdown	180	180
Polk 5	41	Reserve Shutdown	3/5/2023	22:33:00	3/6/2023	12:29:00	13.93			Reserve Shutdown	180	180
Polk 5	42	Reserve Shutdown	3/6/2023	22:39:00	3/7/2023	15:28:00	16.82			Reserve Shutdown	180	180
Polk 5	43	Reserve Shutdown	3/7/2023	21:43:00	3/9/2023	12:06:00	38.38			Reserve Shutdown	180	180
Polk 5	44	Reserve Shutdown	3/9/2023	20:22:00	3/10/2023	12:32:00	16.17			Reserve Shutdown	180	180
Polk 5	45	Reserve Shutdown	3/10/2023	19:57:00	3/11/2023	17:05:00	21.13			Reserve Shutdown	180	180
Polk 5	46	Reserve Shutdown	3/11/2023	20:18:00	3/12/2023	18:34:00	21.27			Reserve Shutdown	180	180
Polk 5	47	Reserve Shutdown	3/12/2023	23:31:00	3/13/2023	13:19:00	13.8			Reserve Shutdown	180	180
Polk 5	48	Reserve Shutdown	3/13/2023	22:43:00	3/14/2023	16:03:00	17.33			Reserve Shutdown	180	180
Polk 5	49	Reserve Shutdown	3/15/2023	15:11:00	3/15/2023	17:23:00	2.2			Reserve Shutdown	180	180
Polk 5	50	Planned Outage	3/24/2023	23:24:00	3/31/2023	2:15:00	146.85	0700	Blowdown system valves	Planned outage to perform work on CT and HRSG. Work includes but is not limited to con	180	180
Polk 5	37	Reserve Shutdown	3/31/2023	2:15:00	3/31/2023	11:37:00	9.37			Unit returning from outage, not needed until 11:37 due to low system load.	180	180