

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

June 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 are Tampa Electric Company's GPIF Actual Unit Performance Data Schedules for the month of May 2020. Please note that these Schedules include data for Big Bend Unit 4 for the months of January through May. Due to an oversight, the company's previously filed Data Schedules for January through April of 2020 did not include the data for Big Bend Unit 4, which was one of the units submitted for the GPIF in 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 June 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
mqualls@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

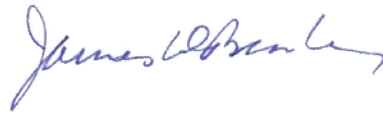
Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1859
ken.hoffman@fpl.com

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@nexteranenergy.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	48.0	99.9	97.3								86.8
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0								3,647.0
3. Service Hours	SH	739.2	480.7	348.7	717.4	730.6								3,016.6
4. Reserve Shutdown Hours	RSH	0.0	142.0	10.1	1.7	0.0								153.8
5. Unavailable Hours	UH	4.8	73.3	384.2	0.9	13.4								476.6
6. Planned Outage Hours	POH	0.0	57.5	275.0	0.0	0.0								332.5
7. Forced Outage Hours	FOH	1.2	0.0	109.2	0.9	13.4								124.7
8. Maintenance Outage Hours	MOH	3.6	15.8	0.0	0.0	0.0								19.4
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0								0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	0.0	0.0	0.0								0.0
10a. Partial Forced Outage Hours	PFOH	2.1	0.0	7.6	0.0	16.8								26.5
10b. Load Reduction Partial Forced (MW)	LRPF	69.4	0.0	79.0	0.0	94.1								87.8
11a. Partial Maintenance Outage Hours	PMOH	4.8	23.9	0.0	0.0	0.0								28.7
11b. Load Reduction Partial Maintenance (MW)	LRPM	78.0	80.4	0.0	0.0	0.0								80.0
12. Net Summer Continuous Rating (MW)	NSC	701.0	701.0	701.0	701.0	701.0								701.0
13. Operating British Thermal Units (GBTU)	OPR BTU	1,875.0	1,493.5	1,050.7	2,025.6	2,499.8								8,944.7
14. Net Generation (MWH)	NETGEN	248,230.8	203,342.1	140,773.6	274,428.4	339,658.8								1,206,433.7
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,554.0	7,345.0	7,464.0	7,381.0	7,360.0								7,414.2
16. Net Output Factor (%)	NOF	42.1	53.4	50.8	54.6	65.1								52.9
17. Net Period Continuous Rating (MW)	NPC	792.0	792.0	792.0	701.0	701.0								755.6
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	99.9	98.5	83.8								90.7
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0								3,647.0
3. Service Hours	SH	85.2	672.4	742.3	712.7	663.8								2,876.4
4. Reserve Shutdown Hours	RSH	448.8	0.0	0.0	0.0	0.0								448.8
5. Unavailable Hours	UH	210.0	23.6	0.7	7.3	80.2								321.8
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0								0.0
7. Forced Outage Hours	FOH	3.5	6.5	0.0	7.3	26.2								43.5
8. Maintenance Outage Hours	MOH	206.5	17.1	0.7	0.0	54.0								278.3
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0								0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	0.0	0.0	0.0								0.0
10a. Partial Forced Outage Hours	PFOH	4.8	11.2	0.0	14.2	47.9								78.1
10b. Load Reduction Partial Forced (MW)	LRPF	77.1	77.0	0.0	77.0	89.4								84.6
11a. Partial Maintenance Outage Hours	PMOH	9.6	20.2	1.2	0.0	105.6								136.6
11b. Load Reduction Partial Maintenance (MW)	LRPM	77.0	92.4	77.4	0.0	77.0								79.3
12. Net Summer Continuous Rating (MW)	NSC	929.0	929.0	929.0	929.0	929.0								929.0
13. Operating British Thermal Units (GBTU)	OPR BTU	189.5	2,657.5	3,038.4	3,056.0	2,699.8								11,641.3
14. Net Generation (MWH)	NETGEN	22,308.2	357,443.8	406,847.3	417,285.6	366,298.4								1,570,183.3
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,496.0	7,435.0	7,468.0	7,324.0	7,371.0								7,414.0
16. Net Output Factor (%)	NOF	25.0	49.1	52.2	62.4	53.0								54.6
17. Net Period Continuous Rating (MW)	NPC	1,047.0	1,047.0	1,047.0	929.0	929.0								999.8
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		MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	PERIOD	
BIG BEND 4		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	0.9	0.0	0.0	0.0	0.2								18.5
2. Period Hours	PH	744.0	696.0	744.0	720.0	744.0								3,648.0
3. Service Hours	SH	629.2	0.0	0.0	0.0	1.4								630.6
4. Reserve Shutdown Hours	RSH	97.3	0.0	0.0	0.0	0.0								97.3
5. Unavailable Hours	UH	17.5	696.0	744.0	720.0	742.6								2,920.1
6. Planned Outage Hours	POH	17.5	696.0	744.0	720.0	659.8								2,837.3
7. Forced Outage Hours	FOH	0.0	0.0	0.0	0.0	0.0								0.0
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	0.0	82.8								82.8
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0								0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	0.0	0.0	0.0								0.0
10a. Partial Forced Outage Hours	PFOH	509.5	0.0	0.0	0.0	0.0								509.5
10b. Load Reduction Partial Forced (MW)	LRPF	37.1	0.0	0.0	0.0	0.0								37.1
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	0.0								0.0
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	0.0								0.0
12. Net Summer Continuous Rating (MW)	NSC	347.0	347.0	347.0	347.0	347.0								347.0
13. Operating British Thermal Units (GBTU)	OPR BTU	1,977.2	0.0	0.0	0.0	0.0								1,977.2
14. Net Generation (MWH)	NETGEN	188,162.0	0.0	1.0	0.0	-2,245.0								185,918.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	10,508.0	0.0	0.0	0.0	0.0								10,634.8
16. Net Output Factor (%)	NOF	85.0	0.0	0.0	0.0	-455.6								84.2
17. Net Period Continuous Rating (MW)	NPC	352.0	352.0	352.0	347.0	347.0								350.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-5.6236) + 11,149												



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	89.2	61.4	27.7								71.3
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0								3,647.0
3. Service Hours	SH	211.9	120.4	662.4	438.8	206.3								1,639.8
4. Reserve Shutdown Hours	RSH	516.8	444.0	0.0	44.0	0.0								1,004.8
5. Unavailable Hours	UH	15.3	131.6	80.6	237.2	537.7								1,002.4
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0								0.0
7. Forced Outage Hours	FOH	1.6	10.7	0.0	154.1	537.7								704.1
8. Maintenance Outage Hours	MOH	13.7	120.9	80.6	83.1	0.0								298.3
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0								0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	0.0	0.0	0.0								0.0
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	0.0	107.1	0.0								107.1
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	0.0	90.0	0.0								90.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	0.0								0.0
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	0.0								0.0
12. Net Summer Continuous Rating (MW)	NSC	210.0	210.0	210.0	210.0	210.0								210.0
13. Operating British Thermal Units (GBTU)	OPR BTU	256.3	157.0	877.3	555.1	298.1								2,143.7
14. Net Generation (MWH)	NETGEN	30,426.0	15,360.0	101,937.0	62,777.0	33,685.0								244,185.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,424.0	10,218.0	8,606.0	8,843.0	8,849.0								8,779.2
16. Net Output Factor (%)	NOF	59.3	52.7	63.4	60.9	69.0								67.1
17. Net Period Continuous Rating (MW)	NPC	230.0	230.0	230.0	210.0	210.0								222.0
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	99.3	96.1	91.4								97.1
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0								3,647.0
3. Service Hours	SH	741.6	675.1	733.0	714.9	709.0								3,573.6
4. Reserve Shutdown Hours	RSH	0.0	0.0	4.5	0.0	0.0								4.5
5. Unavailable Hours	UH	2.4	20.9	5.5	5.1	35.0								68.9
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0								0.0
7. Forced Outage Hours	FOH	0.1	7.7	5.5	0.1	0.0								13.4
8. Maintenance Outage Hours	MOH	2.3	13.2	0.0	5.0	35.0								55.5
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0								0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	0.0	0.0	0.0								0.0
10a. Partial Forced Outage Hours	PFOH	9.2	14.3	0.0	33.6	0.4								57.5
10b. Load Reduction Partial Forced (MW)	LRPF	166.1	179.5	0.0	338.2	126.2								269.7
11a. Partial Maintenance Outage Hours	PMOH	0.0	106.6	0.0	15.4	107.7								229.7
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	125.0	0.0	125.0	125.0								125.0
12. Net Summer Continuous Rating (MW)	NSC	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0								1,061.0
13. Operating British Thermal Units (GBTU)	OPR BTU	4,418.6	4,119.3	4,573.1	4,030.8	3,911.8								21,053.6
14. Net Generation (MWH)	NETGEN	636,822.0	593,139.0	665,332.0	581,812.0	559,597.0								3,036,702.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	6,938.0	6,945.0	6,873.0	6,928.0	6,990.0								6,933.0
16. Net Output Factor (%)	NOF	71.3	71.0	75.5	76.2	70.9								74.3
17. Net Period Continuous Rating (MW)	NPC	1,200.0	1,200.0	1,200.0	1,061.0	1,061.0								1,144.4
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-53.862) + 11,266												

5

Tampa Electric Company
 Outage Listing
 May 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)	54	Reserve Shutdown	05/01/2020	00:00	05/02/2020	14:26	38.43			Reserve Shutdown		156
BS CT1(A)	55	Reserve Shutdown	05/04/2020	02:45	05/04/2020	13:00	10.25			Reserve Shutdown		156
BS CT1(A)	56	Reserve Shutdown	05/06/2020	00:44	05/08/2020	08:34	55.83			Reserve Shutdown		156
BS CT1(A)	57	Unplanned (Forced) Outage - Immediate	05/08/2020	08:34	05/10/2020	11:09	50.58	0540	Reheat steam piping up to turbine stop valves	Reheater tube leak repair.		156
BS CT1(A)	58	Reserve Shutdown	05/10/2020	11:09	05/10/2020	14:28	3.32					156
BS CT1(A)	59	Reserve Shutdown	05/11/2020	00:31	05/11/2020	18:01	17.5			Reserve Shutdown		156
BS CT1(A)	60	Reserve Shutdown	05/12/2020	23:22	05/13/2020	13:23	14.02			Reserve Shutdown		156
BS CT1(A)	61	Reserve Shutdown	05/13/2020	20:47	05/14/2020	14:30	17.72			Reserve Shutdown		156

Tampa Electric Company
 Outage Listing
 May 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)	138	Reserve Shutdown	05/03/2020	03:00	05/03/2020	16:19	13.32			Reserve Shutdown		156
BS CT1(B)	139	Reserve Shutdown	05/04/2020	07:26	05/04/2020	16:22	8.93			Reserve Shutdown		156
BS CT1(B)	140	Reserve Shutdown	05/05/2020	03:54	05/05/2020	16:26	12.53			Reserve Shutdown		156
BS CT1(B)	141	Reserve Shutdown	05/06/2020	23:46	05/08/2020	16:13	40.45			Reserve Shutdown		156
BS CT1(B)	142	Reserve Shutdown	05/11/2020	02:32	05/11/2020	13:49	11.28			Reserve Shutdown		156
BS CT1(B)	143	Reserve Shutdown	05/12/2020	00:02	05/12/2020	16:40	16.63			Reserve Shutdown		156
BS CT1(B)	144	Reserve Shutdown	05/29/2020	00:54	05/29/2020	12:38	11.73			Reserve Shutdown		156
BS CT1(B)	81	Reserve Shutdown	05/31/2020	00:57	05/31/2020	12:56	11.98			Reserve Shutdown		156
BS CT1(B)	82	Reserve Shutdown	05/31/2020	23:22	05/31/2020	23:59	0.63			Reserve Shutdown		156

7

Tampa Electric Company
 Outage Listing
 May 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)	143	Reserve Shutdown	05/01/2020	00:00	05/03/2020	12:04	60.07			Reserve Shutdown		156
BS CT1(C)	144	Reserve Shutdown	05/04/2020	23:58	05/05/2020	11:48	11.83			Reserve Shutdown		156
BS CT1(C)	145	Reserve Shutdown	05/09/2020	00:02	05/09/2020	01:00	0.97			Reserve Shutdown		156
BS CT1(C)	146	Unplanned (Forced) Outage - Immediate	05/09/2020	01:00	05/09/2020	10:38	9.63	3430	Feedwater regulating (boiler level control) v	1C IP feedwater valve actuator repair		156
BS CT1(C)	147	Reserve Shutdown	05/09/2020	10:38	05/09/2020	11:28	0.83					156
BS CT1(C)	148	Reserve Shutdown	05/11/2020	21:41	05/12/2020	13:25	15.73			Reserve Shutdown		156
BS CT1(C)	149	Reserve Shutdown	05/14/2020	21:06	05/15/2020	11:21	14.25			Reserve Shutdown		156
BS CT1(C)	150	Reserve Shutdown	05/16/2020	02:30	05/16/2020	10:59	8.48			Reserve Shutdown		156
BS CT1(C)	151	Reserve Shutdown	05/22/2020	02:04	05/22/2020	12:32	10.47			Reserve Shutdown		156
BS CT1(C)	152	Reserve Shutdown	05/27/2020	00:34	05/27/2020	12:29	11.92			Reserve Shutdown		156

Tampa Electric Company
 Outage Listing
 May 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
85 ST 1	16	Unplanned (Forced) Derating - Immediate	05/08/2020	08:34	05/10/2020	11:09	50.58	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1A RH Tube leak repair	154	233
85 ST 1	17	Unplanned (Forced) Derating - Immediate	05/09/2020	01:00	05/09/2020	10:38	9.63	3999	Other miscellaneous balance of plant problems	1ST Derated - 1C IP feedwater valve positioner repair	154	233

Tampa Electric Company
 Outage Listing
 May 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)	25	Reserve Shutdown	05/08/2020	01:04	05/08/2020	12:51	11.78			Reserve Shutdown		156
BS CT2(A)	26	Reserve Shutdown	05/09/2020	23:27	05/11/2020	11:29	36.03			Reserve Shutdown		156
BS CT2(A)	27	Reserve Shutdown	05/20/2020	01:05	05/20/2020	13:23	12.3			Reserve Shutdown		156

Tampa Electric Company
 Outage Listing
 May 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)	170	Reserve Shutdown	05/01/2020	00:00	05/01/2020	13:17	13.28			Reserve Shutdown		156
BS CT2(B)	171	Reserve Shutdown	05/02/2020	08:31	05/03/2020	13:00	28.48			Reserve Shutdown		156
BS CT2(B)	172	Reserve Shutdown	05/04/2020	00:43	05/04/2020	14:37	13.9			Reserve Shutdown		156
BS CT2(B)	173	Reserve Shutdown	05/05/2020	01:23	05/05/2020	14:33	13.17			Reserve Shutdown		156
BS CT2(B)	174	Reserve Shutdown	05/05/2020	20:40	05/06/2020	11:43	15.05			Reserve Shutdown		156
BS CT2(B)	175	Reserve Shutdown	05/07/2020	01:33	05/08/2020	16:49	39.27			Reserve Shutdown		156
BS CT2(B)	176	Reserve Shutdown	05/09/2020	01:29	05/09/2020	12:22	10.88			Reserve Shutdown		156
BS CT2(B)	177	Reserve Shutdown	05/10/2020	02:26	05/11/2020	15:12	36.77			Reserve Shutdown		156
BS CT2(B)	178	Reserve Shutdown	05/12/2020	03:54	05/12/2020	14:38	10.73			Reserve Shutdown		156
BS CT2(B)	179	Reserve Shutdown	05/13/2020	02:25	05/13/2020	15:36	13.18			Reserve Shutdown		156
BS CT2(B)	180	Reserve Shutdown	05/14/2020	00:32	05/14/2020	11:02	10.5			Reserve Shutdown		156
BS CT2(B)	181	Reserve Shutdown	05/17/2020	00:55	05/17/2020	11:17	10.37			Reserve Shutdown		156
BS CT2(B)	182	Reserve Shutdown	05/18/2020	00:39	05/18/2020	08:50	8.18			Reserve Shutdown		156
BS CT2(B)	183	Reserve Shutdown	05/25/2020	03:42	05/25/2020	15:02	11.33			Reserve Shutdown		156
BS CT2(B)	184	Reserve Shutdown	05/28/2020	02:36	05/28/2020	10:37	8.02			Reserve Shutdown		156
BS CT2(B)	185	Reserve Shutdown	05/30/2020	03:57	05/30/2020	11:08	7.18			Reserve Shutdown		156
BS CT2(B)	113	Reserve Shutdown	05/30/2020	23:11	05/31/2020	10:59	11.8			Reserve Shutdown		156

Tampa Electric Company
 Outage Listing
 May 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)	123	Reserve Shutdown	05/01/2020	01:05	05/02/2020	15:15	38.17			Reserve Shutdown		156
BS CT2(C)	124	Reserve Shutdown	05/03/2020	07:29	05/04/2020	11:53	28.4			Reserve Shutdown		156
BS CT2(C)	125	Maintenance Outage	05/15/2020	02:20	05/28/2020	12:00	321.67	0799	Other miscellaneous piping system problems	2C Reheat Desuperheater pipe leak repair.		156
BS CT2(C)	126	Unplanned (Forced) Outage - Immediate	05/28/2020	12:00	05/31/2020	19:42	79.7	0540	Reheat steam piping up to turbine stop valves	2C Reheater piping repair extended.		156
BS CT2(C)	77	Reserve Shutdown	05/31/2020	19:42	05/31/2020	21:35	1.88			Reserve Shutdown		156

Tampa Electric Company
 Outage Listing
 May 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)	159	Unplanned (Forced) Outage - Immediate	05/01/2020	00:00	05/03/2020	13:49	61.82	0540	Reheat steam piping up to turbine stop valves	2D HRH steam line came off the support		156
BS CT2(D)	160	Reserve Shutdown	05/04/2020	23:22	05/05/2020	13:28	14.1			Reserve Shutdown		156
BS CT2(D)	161	Reserve Shutdown	05/06/2020	02:36	05/06/2020	14:03	11.45			Reserve Shutdown		156
BS CT2(D)	162	Reserve Shutdown	05/06/2020	23:13	05/09/2020	13:24	62.18			Reserve Shutdown		156
BS CT2(D)	163	Reserve Shutdown	05/10/2020	00:30	05/11/2020	13:08	36.63			Reserve Shutdown		156
BS CT2(D)	164	Reserve Shutdown	05/12/2020	01:31	05/12/2020	11:52	10.35			Reserve Shutdown		156
BS CT2(D)	165	Reserve Shutdown	05/13/2020	00:31	05/13/2020	11:57	11.43			Reserve Shutdown		156
BS CT2(D)	166	Reserve Shutdown	05/14/2020	01:59	05/14/2020	12:40	10.68			Reserve Shutdown		156
BS CT2(D)	167	Reserve Shutdown	05/15/2020	00:40	05/15/2020	10:32	9.87			Reserve Shutdown		156
BS CT2(D)	168	Reserve Shutdown	05/17/2020	02:31	05/17/2020	12:47	10.27			Reserve Shutdown		156
BS CT2(D)	169	Reserve Shutdown	05/18/2020	02:34	05/19/2020	10:56	32.37			Reserve Shutdown		156
BS CT2(D)	170	Reserve Shutdown	05/21/2020	01:27	05/21/2020	09:39	8.2			Reserve Shutdown		156
BS CT2(D)	171	Reserve Shutdown	05/23/2020	20:59	05/23/2020	21:55	0.93			Reserve Shutdown		156
BS CT2(D)	94	Unplanned (Forced) Outage - Immediate	05/31/2020	09:43	05/31/2020	23:59	14.28	5250	Controls and instrumentation	Ground fault on the fire detection sensor tripped the unit.		156

Tampa Electric Company
 Outage Listing
 May 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	23	Unplanned (Forced) Derating - Immediate	05/01/2020	00:00	05/03/2020	13:49	61.82	3999	Other miscellaneous balance of plant problems	ST 2 Derated - 2D HRH steam line came off the support	228	305
BS ST 2	24	Maintenance Derating	05/15/2020	02:20	05/28/2020	12:00	321.67	3999	Other miscellaneous balance of plant problems	ST2 Derated - 2C Reheater attemperator piping leak repair.	228	305
BS ST 2	25	Unplanned (Forced) Derating - Immediate	05/28/2020	12:00	05/31/2020	21:35	81.58	3999	Other miscellaneous balance of plant problems	ST2 Derated - 2C reheater desuperheater pipe repair extended	228	305
BS ST 2	12	Unplanned (Forced) Derating - Immediate	05/31/2020	09:43	05/31/2020	21:35	11.87	3999	Other miscellaneous balance of plant problems	ST2 Derated - 2D CT tripped on fire protection false indication	151	305
BS ST 2	13	Unplanned (Forced) Derating - Immediate	05/31/2020	21:35	05/31/2020	23:59	2.42	3999	Other miscellaneous balance of plant problems	ST2 Derated - 2D CT tripped on fire protection false indication	238	305

Tampa Electric Company
 Outage Listing
 January -May 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
Big Bend 4	1	Unplanned (Forced) Derating - Immediate	1/1/2020	0:00:00	1/2/2020	7:25:00	31.42	8790	Miscellaneous CEMS problems	High particulate matter (PM) indications	277	352
Big Bend 4	2	Unplanned (Forced) Derating - Immediate	1/2/2020	7:25:00	1/5/2020	9:59:00	74.57	8790	Miscellaneous CEMS problems	High particulate matter (PM) indications	312	352
Big Bend 4	10	Unplanned (Forced) Derating - Immediate	1/5/2020	10:00:00	1/22/2020	5:30:00	403.5	8790	Miscellaneous CEMS problems	High particulate matter (PM) indications	322	352
Big Bend 4	7	Unplanned (Forced) Derating - Immediate	1/18/2020	7:56:00	1/18/2020	13:30:00	5.4	8260	Scrubber booster I.D. fan (fan specific to th	C Booster fan lube oil supply pressure decayed causing the fan to trip.	82	352
Big Bend 4	8	Reserve Shutdown	1/27/2020	5:12:00	1/31/2020	6:30:00	97.3		N/A	Reserve Shutdown	N/A	352
Big Bend 4	9	Planned Outage	1/31/2020	6:30:00	1/31/2020	23:59:59	17.5	4535	Stator, General	Planned outage (Generator Rewind)	N/A	352
Big Bend 4	11	Planned Outage	2/1/2020	0:00:00	2/29/2020	23:59:59	696	4535	Stator, General	Planned outage (Generator Rewind)	N/A	352
Big Bend 4	11	Planned Outage	3/1/2020	0:00:00	3/31/2020	23:59:59	744	4535	Stator, General	Planned outage (Generator Rewind)	N/A	352
Big Bend 4	11	Planned Outage	3/1/2020	0:00:00	3/1/2020	0:00:00	0	4535	Stator, General	Planned outage (Generator Rewind)	N/A	352
Big Bend 4	11	Planned Outage	4/1/2020	0:00:00	4/1/2020	0:00:00	0	4535	Stator, General	Planned outage (Generator Rewind and flue gas duct replacement)	N/A	347
Big Bend 4	11	Planned Outage	4/1/2020	0:00:00	4/18/2020	7:00:00	415	4535	Stator, General	Planned outage (Generator Rewind and flue gas duct replacement)	N/A	347
Big Bend 4	12	Planned Outage Extension	4/18/2020	7:00:00	4/30/2020	23:59:59	305	1510	Flue gas ducts (except recirculation)	Flue gas ductwork repairs delayed beyond original scope.	N/A	347
Big Bend 4	25	Maintenance Outage	5/28/2020	13:10	5/31/2020	23:59:00	82.83	4499	Other miscellaneous steam turbine problems	Exciter bearings and oil seal inspection. Turbine experienced high vibration on the ex		347

Tampa Electric Company
 Outage Listing
 May 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	59	Unplanned (Forced) Outage - Immediate	05/01/2020	00:00	05/23/2020	07:02	535.03	3999	Other miscellaneous balance of plant problems	Steam Turbine Generator Main Steam Control Valve failed open. Discovered to be broken	150	150
Polk 1	60	Unplanned (Forced) Outage - Immediate	05/23/2020	21:05	05/23/2020	21:38	0.55	5079	Other combustor problems	GTG1 tripped on High Exhaust Thermocouple Temperature Spread. Combustion Dynamics are	150	150
Polk 1	61	Unplanned (Forced) Outage - Immediate	05/24/2020	01:46	05/24/2020	02:28	0.7	5079	Other combustor problems	GTG1 tripped on high exhaust spreads. Combustion dynamics are poor as a result of ha	150	150

Tampa Electric Company
Outage Listing
May 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	21	Unplanned (Forced) Outage - Immediate	05/01/2020	00:00	05/23/2020	09:27	537.45	4261	Control valves	Main Steam Control Valve failed full open. STG1 shutdown and shaft broken.		85
Polk 1 ST	22	Unplanned (Forced) Outage - Immediate	05/23/2020	21:07	05/23/2020	22:31	1.4	3999	Other miscellaneous balance of jGTG1 Exhaust Thermocouple high spread trip due to GTG combustion hardware.			85
Polk 1 ST	23	Unplanned (Forced) Outage - Immediate	05/24/2020	01:48	05/24/2020	03:08	1.33	3999	Other miscellaneous balance of jGTG1 Exhaust Thermocouple high spread trip due to GTG combustion hardware.			85

Tampa Electric Company
 Outage Listing
 May 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	54	Reserve Shutdown	05/03/2020	23:48	05/04/2020	10:53	11.08			Reserve Shutdown		150
Polk 2	55	Reserve Shutdown	05/08/2020	08:00	05/08/2020	14:53	6.88			Reserve Shutdown		150
Polk 2	56	Maintenance Outage	05/19/2020	01:50	05/24/2020	14:14	132.4	5041	Fuel piping and valves	Outage to replace liquid fuel check valves in preparation for liquid fuel operation. R		150
Polk 2	57	Reserve Shutdown	05/24/2020	14:14	05/24/2020	14:45	0.52					150
Polk 2	58	Noncurtailing	05/24/2020	15:21	05/31/2020	23:59	176.65	5250	Controls and instrumentation	Flow Divider not functioning properly.		150
Polk 2	59	Reserve Shutdown	05/24/2020	15:21	05/26/2020	10:22	43.02			Reserve Shutdown		150
Polk 2	60	Reserve Shutdown	05/28/2020	01:34	05/28/2020	13:26	11.87			Reserve Shutdown		150
Polk 2	61	Reserve Shutdown	05/30/2020	01:38	05/30/2020	12:41	11.05			Reserve Shutdown		150

Tampa Electric Company
Outage Listing
May 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	12	Maintenance Derating	05/11/2020	14:01	05/16/2020	09:30	115.48	3999	Other miscellaneous balance of plant problems	GTG3 Liquid Fuel Nozzles check valve replacement required. Other fuel system clean-up	336	461
Polk 2 ST	13	Maintenance Derating	05/19/2020	01:50	05/24/2020	14:14	132.4	3999	Other miscellaneous balance of plant problems	GTG2 Outage to replace liquid fuel check valves in preparation for liquid fuel opera	336	461
Polk 2 ST	14	Unplanned (Forced) Derating - Immediate	05/26/2020	15:00	05/26/2020	15:46	0.77	3999	Other miscellaneous balance of plant problems	HRS3 3 Attempertor flow transmitter got bad signal, this in turn reduced the flow an	396	461

Tampa Electric Company
 Outage Listing
 May 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	49	Reserve Shutdown	05/02/2020	03:08	05/02/2020	13:43	10.58			Reserve Shutdown		150
Polk 3	50	Reserve Shutdown	05/05/2020	23:49	05/06/2020	11:24	11.58			Reserve Shutdown		150
Polk 3	51	Maintenance Outage	05/11/2020	14:01	05/16/2020	09:30	115.48	5041	Fuel piping and valves	GTG Liquid Fuel Nozzles check valve replacement required. Other fuel system clean-up a		150
Polk 3	52	Reserve Shutdown	05/16/2020	11:00	05/16/2020	13:05	2.08			Reserve Shutdown		150
Polk 3	53	Unplanned (Forced) Derating - Immediate	05/26/2020	15:00	05/26/2020	15:46	0.77	1799	Other boiler control problems	Attemporator flow transmitter got bad signal, this in turn reduced the flow and caused	90	150
Polk 3	54	Reserve Shutdown	05/27/2020	01:58	05/27/2020	09:49	7.85			Reserve Shutdown		150
Polk 3	55	Reserve Shutdown	05/27/2020	10:45	05/27/2020	11:46	1.02			Reserve Shutdown		150
Polk 3	56	Reserve Shutdown	05/28/2020	20:31	05/29/2020	14:27	17.93			Reserve Shutdown		150

Tampa Electric Company
 Outage Listing
 May 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	62	Reserve Shutdown	05/01/2020	08:09	05/01/2020	15:38	7.48		Reserve Shutdown			150
Polk 4	63	Reserve Shutdown	05/05/2020	00:20	05/05/2020	11:21	11.02		Reserve Shutdown			150
Polk 4	64	Reserve Shutdown	05/09/2020	07:28	05/09/2020	14:50	7.37		Reserve Shutdown			150
Polk 4	65	Reserve Shutdown	05/20/2020	03:01	05/20/2020	10:56	7.92		Reserve Shutdown			150
Polk 4	66	Reserve Shutdown	05/24/2020	03:12	05/25/2020	14:11	34.98		Reserve Shutdown			150
Polk 4	67	Reserve Shutdown	05/28/2020	00:36	05/28/2020	10:09	9.55		Reserve Shutdown			150
Polk 4	68	Reserve Shutdown	05/30/2020	00:17	05/30/2020	10:47	10.5		Reserve Shutdown			150

Tampa Electric Company
 Outage Listing
 May 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	44	Reserve Shutdown	05/03/2020	01:02	05/03/2020	11:26	10.4		Reserve Shutdown			150
Polk 5	45	Reserve Shutdown	05/07/2020	07:27	05/07/2020	15:34	8.12		Reserve Shutdown			150
Polk 5	46	Reserve Shutdown	05/12/2020	09:01	05/12/2020	11:08	2.12		Reserve Shutdown			150
Polk 5	47	Reserve Shutdown	05/18/2020	20:18	05/19/2020	09:58	13.67		Reserve Shutdown			150
Polk 5	48	Reserve Shutdown	05/23/2020	02:13	05/23/2020	10:57	8.73		Reserve Shutdown			150
Polk 5	49	Reserve Shutdown	05/25/2020	17:38	05/26/2020	13:54	20.27		Reserve Shutdown			150
Polk 5	50	Reserve Shutdown	05/28/2020	18:31	05/29/2020	12:45	18.23		Reserve Shutdown			150
Polk 5	28	Reserve Shutdown	05/31/2020	02:29	05/31/2020	10:21	7.87		Reserve Shutdown			150