

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

November 25, 2019

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. 20190001-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 October 2019.

Thank you for your assistance in connection with this matter.

Sincerely,


James D. Beasley

JDB/bmp

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 November, 2019 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

Holly Henderson
Senior Manager Regulatory Affairs
Gulf Power Company
215 South Monroe Street, Suite 618
Tallahassee FL 32301
holly.henderson@nexteraenergy.com

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

Maria Moncada
Senior Attorney
Mr. Joel T. Baker
Principal Attorney
Florida Power & Light Company
700 Universe Boulevard (LAW/JB)
Juno Beach, FL 33408-0420
maria.moncada@fpl.com
joel.baker@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@nexteraenergy.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. Steven R. Griffin
Beggs & Lane
P.O. Box 12950
Pensacola FL 32591
srg@beggslane.com

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



ATTORNEY

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2019 - DECEMBER 2019

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 19	FEB 19	MAR 19	APR 19	MAY 19	JUN 19	JUL 19	AUG 19	SEP 19	OCT 19	NOV 19	DEC 19	2019
1. Equivalent Availability Factor (%)	EAF	99.9	87.8	23.1	87.9	93.9	95.4	86.7	96.8	97.5	78.1			85.4
2. Period Hours	PH	744.0	672.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0			7,296.0
3. Service Hours	SH	744.0	597.1	0.0	586.9	714.1	700.1	672.5	728.2	708.2	602.7			6,053.800
4. Reserve Shutdown Hours	RSH	0.0	0.0	171.9	46.5	0.0	0.0	0.0	0.0	0.0	0.0			218.4
5. Unavailable Hours	UH	0.0	74.9	572.1	86.6	29.9	19.9	71.5	15.8	11.8	141.3			1,023.8
6. Planned Outage Hours	POH	0.0	74.9	572.1	8.5	0.0	0.0	0.0	0.0	0.0	114.4			769.9000
7. Forced Outage Hours	FOH	0.0	0.0	0.0	78.1	0.0	19.9	68.5	10.8	10.2	24.7			212.2
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	0.0	29.9	0.0	3.0	5.0	1.6	2.2			41.7
9a. Partial Planned Outage Hours	PPOH	0.0	48.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			48.5
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	117.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			117.4
10a. Partial Forced Outage Hours	PFOH	2.1	0.0	0.0	0.9	0.0	39.7	81.7	16.1	12.8	36.9			190.200
10b. Load Reduction Partial Forced (MW)	LRPF	263.8	0.0	0.0	77.4	0.0	94.2	79.0	79.0	145.3	72.3			87.4
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	44.6	7.7	0.0	7.4	2.4	20.3			82.5
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	79.0	75.0	0.0	79.0	79.0	118.1			88.3
12. Net Summer Continuous Rating (MW)	NSC	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0			701.0
13. Operating British Thermal Units (GBTU)	OPR BTU	2,153.7	1,975.7	0.0	2,092.3	2,623.6	2,709.4	2,338.2	2,555.4	2,098.8	1,848.1			20,395.1
14. Net Generation (MWH)	NETGEN	281,105.8	268,363.3	-489.0	285,493.0	357,594.0	371,287.2	316,400.6	340,370.5	282,565.0	249,882.7			2,752,573.1
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,661.4	7,362.0	0.0	7,329.0	7,337.0	7,297.0	7,390.0	7,508.0	7,428.0	7,396.0			7,409.5
16. Net Output Factor (%)	NOF	47.7	56.8	0.0	69.4	68.6	73.6	64.1	65.3	56.0	55.1			62.4
17. Net Period Continuous Rating (MW)	NPC	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0			728.3
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 2019 - DECEMBER 2019

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 2		JAN 19	FEB 19	MAR 19	APR 19	MAY 19	JUN 19	JUL 19	AUG 19	SEP 19	OCT 19	NOV 19	DEC 19	2019
1. Equivalent Availability Factor (%)	EAF	33.7	80.8	99.5	94.1	99.6	99.3	100.0	92.1	97.4	100.0			89.8
2. Period Hours	PH	744.0	672.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0			7,296.0
3. Service Hours	SH	241.8	594.0	740.6	691.2	742.1	717.2	743.0	685.1	707.6	744.0			6,606.6
4. Reserve Shutdown Hours	RSH	24.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0			25.0
5. Unavailable Hours	UH	478.2	78.0	3.4	28.8	1.9	2.8	0.0	58.9	12.4	0.0			664.4
6. Planned Outage Hours	POH	445.0	58.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			503.0
7. Forced Outage Hours	FOH	33.2	0.0	3.4	28.8	0.5	2.8	0.0	0.0	0.0	0.0			68.7
8. Maintenance Outage Hours	MOH	0.0	20.0	0.0	0.0	1.4	0.0	0.0	58.9	12.4	0.0			92.9
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0			0.0
10a. Partial Forced Outage Hours	PFOH	0.7	383.8	0.2	53.4	1.0	0.0	0.0	0.0	0.0	0.0			439.1
10b. Load Reduction Partial Forced (MW)	LRPF	261.8	138.4	78.8	77.0	77.5	0.0	0.0	0.0	0.0	0.0			131.0
11a. Partial Maintenance Outage Hours	PMOH	59.9	0.0	0.0	0.0	2.7	8.3	0.0	0.0	24.2	0.0			95.1
11b. Load Reduction Partial Maintenance (MW)	LRPM	261.8	0.0	0.0	0.0	77.1	85.0	0.0	0.0	77.0	0.0			194.1
12. Net Summer Continuous Rating (MW)	NSC	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0			929.0
13. Operating British Thermal Units (GBTU)	OPR BTU	661.3	2,265.6	4,330.1	3,601.5	4,030.2	3,898.4	3,798.3	3,042.7	2,946.1	3,292.3			31,866.4
14. Net Generation (MWH)	NETGEN	80,708.2	305,544.7	572,174.0	492,205.4	551,479.2	538,434.7	520,587.5	405,685.4	397,926.0	448,016.3			4,312,761.4
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,193.5	7,415.0	7,568.0	7,317.0	7,308.0	7,240.0	7,296.0	7,500.0	7,404.0	7,349.0			7,388.9
16. Net Output Factor (%)	NOF	31.9	49.1	86.9	73.6	77.5	80.5	75.3	63.7	59.5	64.8			67.3
17. Net Period Continuous Rating (MW)	NPC	1,047.0	1,047.0	1,047.0	956.0	956.0	929.0	929.0	929.0	929.0	929.0			969.8
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-6.673) + 7,965												

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2019 - DECEMBER 2019

PLANT/UNIT		MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
POLK 1		JAN 19	FEB 19	MAR 19	APR 19	MAY 19	JUN 19	JUL 19	AUG 19	SEP 19	OCT 19	NOV 19	DEC 19	2019
1. Equivalent Availability Factor (%)	EAF	61.1	18.0	81.8	100.0	68.9	98.5	98.8	100.0	100.0	43.7			77.7
2. Period Hours	PH	744.0	672.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0			7,296.0
3. Service Hours	SH	192.7	53.0	458.1	692.0	509.0	667.2	319.9	409.9	465.6	133.8			3,901.2
4. Reserve Shutdown Hours	RSH	322.9	0.0	179.0	28.0	3.4	42.0	415.5	334.1	254.4	191.2			1,770.5
5. Unavailable Hours	UH	213.9	539.6	106.9	0.0	231.6	10.8	8.6	0.0	0.0	419.0			1,530.4
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	419.0			419.0
7. Forced Outage Hours	FOH	19.6	539.6	0.0	0.0	41.5	8.7	0.0	0.0	0.0	0.0			609.4
8. Maintenance Outage Hours	MOH	208.8	0.0	106.9	0.0	190.1	2.1	8.6	0.0	0.0	0.0			516.5
9a. Partial Planned Outage Hours	PPOH	744.0	493.0	30.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0			1,267.9
9b. Load Reduction Partial Planned (MW)	LRPP	20.0	5.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			15.3
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			0.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	46.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0			46.7
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			15.0
12. Net Summer Continuous Rating (MW)	NSC	220.0	220.0	220.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0			230.5
13. Operating British Thermal Units (GBTU)	OPR BTU	247.0	62.5	551.9	884.0	657.3	872.8	386.1	475.2	515.6	181.6			4,834.0
14. Net Generation (MWH)	NETGEN	23,968.3	4,295.0	61,112.0	103,624.0	75,289.0	101,034.8	40,693.3	51,490.0	55,151.1	19,059.4			535,716.9
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	10,304.7	14,559.0	9,032.0	8,531.0	8,731.0	8,639.0	9,789.0	9,229.0	9,348.0	9,529.0			9,023.4
16. Net Output Factor (%)	NOF	50.8	32.9	55.1	64.5	62.9	64.4	54.1	53.5	50.4	60.6			57.7
17. Net Period Continuous Rating (MW)	NPC	245.0	245.0	245.0	235.0	235.0	235.0	235.0	235.0	235.0	235.0			238.0
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 2019 - DECEMBER 2019

PLANT/UNIT		MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
POLK 2		JAN 19	FEB 19	MAR 19	APR 19	MAY 19	JUN 19	JUL 19	AUG 19	SEP 19	OCT 19	NOV 19	DEC 19	2019
1. Equivalent Availability Factor (%)	EAF	98.7	95.3	99.5	64.2	99.4	80.4	97.0	99.5	99.3	99.9			94.0
2. Period Hours	PH	744.0	672.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0			7,296.0
3. Service Hours	SH	742.3	643.0	741.8	396.0	744.0	643.1	730.9	740.3	715.1	743.4			6,839.9
4. Reserve Shutdown Hours	RSH	0.0	0.0	0.0	66.5	0.0	0.0	1.0	0.0	0.0	0.0			67.5
5. Unavailable Hours	UH	1.7	29.0	2.2	257.5	0.0	76.9	12.1	3.7	4.9	0.6			388.6
6. Planned Outage Hours	POH	0.0	0.0	0.0	245.0	0.0	0.0	0.0	0.0	0.0	0.0			245.0
7. Forced Outage Hours	FOH	1.7	29.0	2.2	10.1	0.0	76.9	2.5	0.1	0.3	0.6			123.4
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	2.4	0.0	0.0	9.6	3.6	4.7	0.0			20.3
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0			0.0
10a. Partial Forced Outage Hours	PFOH	5.0	8.4	5.8	0.0	18.3	237.6	7.6	0.0	0.0	1.7			284.4
10b. Load Reduction Partial Forced (MW)	LRPF	34.0	298.6	97.0	0.0	138.0	125.2	124.9	0.0	0.0	124.5			129.0
11a. Partial Maintenance Outage Hours	PMOH	32.3	0.0	0.0	0.0	0.0	0.0	29.7	0.0	0.0	0.0			62.0
11b. Load Reduction Partial Maintenance (MW)	LRPM	300.0	0.0	0.0	0.0	0.0	0.0	125.0	0.0	0.0	0.0			216.1
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	1,061.0	1,061.0	1,061.0	1,061.0			1,061.0
13. Operating British Thermal Units (GBTU)	OPR BTU	4,703.9	2,665.0	3,704.2	1,627.1	3,689.5	3,213.4	4,270.8	4,669.9	4,373.8	4,680.8			37,598.4
14. Net Generation (MWH)	NETGEN	682,239.1	377,898.0	527,688.0	213,900.0	517,263.0	449,778.0	592,883.0	673,696.0	658,273.7	676,742.0			5,370,360.8
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	6,894.7	7,052.0	7,020.0	7,607.0	7,134.0	7,144.0	7,204.0	6,932.0	6,912.0	6,917.0			7,001.1
16. Net Output Factor (%)	NOF	76.6	49.0	59.1	50.6	65.5	58.9	75.1	85.3	86.3	85.7			71.2
17. Net Period Continuous Rating (MW)	NPC	1,200.0	1,200.0	1,200.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0			1,102.7
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-53.862) + 11,266												

Tampa Electric Company
Outage Listing
October 2019

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)	137	Unplanned (Forced)	10/1/2019	0:00:00	10/1/2019	11:47:00	11.78	5041	Fuel piping and valves	Temperature too erratic, WOBEE runback and tripped the u	N\A	156
BS CT1(A)	138	Reserve Shutdown	10/1/2019	11:47:00	10/1/2019	12:12:00	0.42	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	139	Reserve Shutdown	10/1/2019	23:52:00	10/2/2019	11:34:00	11.7	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	140	Reserve Shutdown	10/2/2019	23:42:00	10/3/2019	13:44:00	14.03	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	141	Reserve Shutdown	10/3/2019	23:39:00	10/4/2019	12:15:00	12.6	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	142	Reserve Shutdown	10/7/2019	0:08:00	10/7/2019	7:21:00	7.22	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	143	Reserve Shutdown	10/13/2019	23:39:00	10/14/2019	13:44:00	14.08	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	144	Reserve Shutdown	10/14/2019	22:35:00	10/15/2019	12:38:00	14.05	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	145	Reserve Shutdown	10/15/2019	22:36:00	10/16/2019	6:02:00	7.43	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	146	Maintenance Outage	10/16/2019	6:02:00	10/16/2019	16:00:00	9.97	5120	Hydraulic oil system	Replace hydraulic pump	N\A	156
BS CT1(A)	147	Reserve Shutdown	10/16/2019	16:00:00	10/16/2019	16:42:00	0.7	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	148	Reserve Shutdown	10/18/2019	0:02:00	10/18/2019	6:56:00	6.9	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	149	Unplanned (Forced)	10/18/2019	6:56:00	10/18/2019	12:10:00	5.23	3430	Feedwater regulating (boiler level control) v	HP Feed water valve had broken bonnet.	N\A	156
BS CT1(A)	150	Reserve Shutdown	10/18/2019	12:10:00	10/19/2019	12:10:00	24	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	151	Reserve Shutdown	10/21/2019	22:18:00	10/22/2019	11:29:00	13.18	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	152	Reserve Shutdown	10/24/2019	23:16:00	10/25/2019	11:42:00	12.43	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	153	Reserve Shutdown	10/25/2019	23:39:00	10/26/2019	12:15:00	12.6	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(A)	154	Planned Outage	10/26/2019	17:12:00	10/31/2019	23:59:59	126.8	3999	Other miscellaneous balance of plant problems	Fall Planned Outage	N\A	156

Tampa Electric Company
 Outage Listing
 October 2019

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)	82	Reserve Shutdown	10/5/2019	1:04:00	10/5/2019	11:45:00	10.68	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(B)	83	Reserve Shutdown	10/11/2019	23:31:00	10/13/2019	13:15:00	37.73	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(B)	84	Reserve Shutdown	10/16/2019	21:51:00	10/17/2019	14:11:00	16.33	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(B)	85	Reserve Shutdown	10/18/2019	1:09:00	10/20/2019	12:50:00	59.68	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(B)	86	Reserve Shutdown	10/21/2019	0:44:00	10/21/2019	13:27:00	12.72	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(B)	87	Reserve Shutdown	10/23/2019	9:11:00	10/24/2019	10:46:00	25.58	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(B)	88	Planned Outage	10/25/2019	20:17:00	10/31/2019	23:59:59	147.72	3999	Other miscellaneous bal	Fall Planned Outage	N/A	156

Tampa Electric Company
Outage Listing
October 2019

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)	93	Reserve Shutdown	10/1/2019	0:00:00	10/1/2019	5:39:00	5.65	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(C)	94	Reserve Shutdown	10/4/2019	22:17:00	10/5/2019	10:11:00	11.9	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(C)	95	Reserve Shutdown	10/5/2019	21:48:00	10/6/2019	11:00:00	13.2	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(C)	96	Unplanned (Forced)	10/7/2019	8:08:00	10/11/2019	5:15:00	93.12	3416	Other feedwater pump problems	BFP horizontal joint leak	N\A	156
BS CT1(C)	97	Reserve Shutdown	10/11/2019	5:15:00	10/12/2019	12:04:00	30.82	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(C)	98	Reserve Shutdown	10/20/2019	20:27:00	10/21/2019	10:30:00	14.05	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(C)	99	Reserve Shutdown	10/22/2019	22:46:00	10/23/2019	13:19:00	14.55	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(C)	100	Unplanned (Forced)	10/23/2019	13:36:00	10/23/2019	14:22:00	0.77	800	Drums and drum internals	High pressure HP	N\A	156
BS CT1(C)	101	Reserve Shutdown	10/24/2019	3:55:00	10/24/2019	11:44:00	7.82	N\A	N\A	Reserve Shutdown	N\A	156
BS CT1(C)	102	Planned Outage	10/28/2019	0:34:00	10/31/2019	23:59:59	95.43	3999	Other miscellaneous balance of plant pro	Planned Fall Outage.	N\A	156

Tampa Electric Company
Outage Listing
October 2019

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	27	Unplanned (Forced) Derating - Immediate	10/1/2019	0:00:00	10/1/2019	11:47:00	11.78	3999	Other miscellaneous balance of plant problems	ST1 derated - 1A fuel gas skid erratic temperature tripped the unit	217	233
BS ST 1	28	Unplanned (Forced) Derating - Immediate	10/7/2019	8:08:00	10/11/2019	5:15:00	93.12	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1C BFP horizontal joint leak	154	233
BS ST 1	29	Maintenance Derating	10/16/2019	6:02:00	10/16/2019	16:00:00	9.97	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1A hydraulic pump replacement	154	233
BS ST 1	30	Unplanned (Forced) Derating - Immediate	10/18/2019	6:56:00	10/18/2019	12:10:00	5.23	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1A HP Feed water valve had broken bonnet.	154	233
BS ST 1	31	Unplanned (Forced) Derating - Immediate	10/23/2019	13:36:00	10/23/2019	14:22:00	0.77	3999	Other miscellaneous balance of plant problems	ST 1 Derated - 1C High pressure HP	154	233
BS ST 1	32	Maintenance Derating	10/25/2019	20:17:00	10/26/2019	17:12:00	20.92	3999	Other miscellaneous balance of plant problems	ST 1Derated - 1B Offline for fall outage	154	233
BS ST 1	33	Maintenance Derating	10/26/2019	17:12:00	10/27/2019	23:26:00	30.23	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1A and 1B fall outage	75	233
BS ST 1	34	Planned Outage	10/27/2019	23:26:00	10/31/2019	23:59:59	96.57	3999	Other miscellaneous balance of plant problems	Planned Fall Outage.	N/A	233

Tampa Electric Company
Outage Listing
October 2019

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)	194	Reserve Shutdown	10/1/2019	1:40:00	10/1/2019	11:04:00	9.4	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	195	Reserve Shutdown	10/3/2019	0:40:00	10/3/2019	12:21:00	11.68	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	196	Reserve Shutdown	10/3/2019	21:57:00	10/4/2019	10:49:00	12.87	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	197	Reserve Shutdown	10/5/2019	0:11:00	10/5/2019	11:12:00	11.02	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	198	Reserve Shutdown	10/8/2019	23:59:00	10/9/2019	10:29:00	10.5	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	199	Reserve Shutdown	10/10/2019	0:02:00	10/10/2019	11:30:00	11.47	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	200	Reserve Shutdown	10/11/2019	22:05:00	10/12/2019	11:29:00	13.4	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	201	Reserve Shutdown	10/12/2019	22:26:00	10/13/2019	14:27:00	16.02	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	202	Reserve Shutdown	10/13/2019	21:54:00	10/14/2019	12:24:00	14.5	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	203	Reserve Shutdown	10/14/2019	21:21:00	10/15/2019	11:40:00	14.32	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	204	Reserve Shutdown	10/15/2019	23:54:00	10/16/2019	7:05:00	7.18	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	205	Reserve Shutdown	10/16/2019	23:15:00	10/17/2019	11:34:00	12.32	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	206	Reserve Shutdown	10/17/2019	20:47:00	10/21/2019	11:13:00	86.43	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	207	Reserve Shutdown	10/21/2019	21:21:00	10/22/2019	9:26:00	12.08	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	208	Reserve Shutdown	10/22/2019	21:42:00	10/23/2019	16:28:00	18.77	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	209	Reserve Shutdown	10/23/2019	23:04:00	10/24/2019	11:12:00	12.13	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	210	Reserve Shutdown	10/24/2019	21:59:00	10/25/2019	5:44:00	7.75	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	211	Reserve Shutdown	10/26/2019	23:58:00	10/27/2019	9:21:00	9.38	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	212	Reserve Shutdown	10/28/2019	0:55:00	10/28/2019	7:57:00	7.03	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	213	Reserve Shutdown	10/30/2019	0:10:00	10/30/2019	10:34:00	10.4	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(A)	214	Reserve Shutdown	10/31/2019	23:48:00	10/31/2019	23:59:59	0.2	N\A	N\A	Reserve Shutdown	N\A	156

Tampa Electric Company
 Outage Listing
 October 2019

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)	176	Reserve Shutdown	10/1/2019	0:03:00	10/1/2019	7:33:00	7.5	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	177	Reserve Shutdown	10/1/2019	22:05:00	10/2/2019	6:35:00	8.5	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	178	Reserve Shutdown	10/2/2019	22:06:00	10/3/2019	11:20:00	13.23	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	179	Reserve Shutdown	10/4/2019	0:28:00	10/4/2019	11:28:00	11	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	180	Reserve Shutdown	10/6/2019	22:20:00	10/7/2019	5:50:00	7.5	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	181	Reserve Shutdown	10/8/2019	0:05:00	10/8/2019	10:04:00	9.98	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	182	Reserve Shutdown	10/8/2019	22:56:00	10/9/2019	12:32:00	13.6	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	183	Reserve Shutdown	10/9/2019	22:08:00	10/10/2019	6:48:00	8.67	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	184	Reserve Shutdown	10/11/2019	0:03:00	10/11/2019	13:05:00	13.03	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	185	Reserve Shutdown	10/12/2019	0:52:00	10/13/2019	12:15:00	35.38	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	186	Reserve Shutdown	10/13/2019	19:58:00	10/14/2019	10:40:00	14.7	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	187	Reserve Shutdown	10/15/2019	0:02:00	10/15/2019	14:14:00	14.2	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	188	Reserve Shutdown	10/16/2019	0:48:00	10/16/2019	11:13:00	10.42	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	189	Reserve Shutdown	10/17/2019	0:23:00	10/17/2019	12:55:00	12.53	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	190	Reserve Shutdown	10/17/2019	22:27:00	10/20/2019	10:58:00	60.52	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	191	Reserve Shutdown	10/20/2019	23:33:00	10/21/2019	12:42:00	13.15	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	192	Reserve Shutdown	10/22/2019	0:25:00	10/22/2019	12:24:00	11.98	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	193	Reserve Shutdown	10/23/2019	0:13:00	10/24/2019	12:31:00	36.3	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	194	Reserve Shutdown	10/25/2019	0:39:00	10/25/2019	10:45:00	10.1	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	195	Reserve Shutdown	10/27/2019	1:29:00	10/27/2019	11:08:00	9.65	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	196	Reserve Shutdown	10/29/2019	1:00:00	10/29/2019	10:28:00	9.47	N\A	N\A	Reserve Shutdown	N\A	156
BS CT2(B)	197	Reserve Shutdown	10/31/2019	0:18:00	10/31/2019	10:39:00	10.35	N\A	N\A	Reserve Shutdown	N\A	156

Tampa Electric Company
Outage Listing
October 2019

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)	17	Reserve Shutdown	10/13/2019	0:41:00	10/13/2019	10:41:00	10	N/A	N/A	Reserve Shutdown	N/A	156

Tampa Electric Company
Outage Listing
October 2019

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
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Tampa Electric Company
Outage Listing
October 2019

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
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Tampa Electric Company
 Outage Listing
 October 2019

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	41	Reserve Shutdown	10/1/2019	0:00:00	10/9/2019	0:00:00	192	N/A	N/A	Reserve Shutdown	N/A	150
Polk 1	42	Planned Outage	10/9/2019	0:00:00	10/26/2019	10:12:00	418.2	5274	General unit inspection	Planned outage for Polk 1 CT	N/A	150

Tampa Electric Company
 Outage Listing
 October 2019

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	40	Reserve Shutdown	10/1/2019	0:00:00	10/9/2019	0:00:00	192	N/A	N/A	Reserve Shutdown	N/A	85
Polk 1 ST	41	Planned Outage	10/9/2019	0:00:00	10/26/2019	12:17:00	420.28	3999	Other miscellaneous balance r	Polk1 CT1 was on Planned outage	N/A	85

Tampa Electric Company
 Outage Listing
 October 2019

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	140	Reserve Shutdown	10/2/2019	23:46:00	10/3/2019	10:41:00	10.92	N\A	N\A	Reserve Shutdown	N\A	150
Polk 2	141	Reserve Shutdown	10/6/2019	0:57:00	10/6/2019	10:38:00	9.68	N\A	N\A	Reserve Shutdown	N\A	150
Polk 2	142	Reserve Shutdown	10/10/2019	23:29:00	10/11/2019	8:42:00	9.22	N\A	N\A	Reserve Shutdown	N\A	150

Tampa Electric Company
Outage Listing
October 2019

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	17	Unplanned (Forced) Derating - Immediate	10/28/2019	14:14:00	10/28/2019	18:14:00	4	3999	Other miscellaneous balance of plant problems	Generator breaker hydraulics pump repair. Hydraulics pump was cycling on and off eve	336	461
Polk 2 ST	2	Unplanned (Forced) Derating - Immediate	2/1/2019	9:52:00	2/1/2019	17:19:00	7.45	3310	Condensate/hotwell pumps	Lost power to Feedwater Pump electrical bus	355	480
Polk 2 ST	3	Unplanned (Forced) Outage - Immediate	2/14/2019	18:47:00	2/16/2019	0:00:00	29.22	3330	Condensate valves	The Hotwell emergency level controller swapped to manual preventing proper operatio N/A		480
Polk 2 ST	4	Unplanned (Forced) Derating - Immediate	2/26/2019	5:27:00	2/26/2019	6:24:00	0.95	3999	Other miscellaneous balance of plant problems	Hot Reheat Outlet Temperature High Temperature rolled damper tripped GTG	334	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	364	480

Tampa Electric Company
Outage Listing
October 2019

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	88	Reserve Shutdown	10/1/2019	22:52:00	10/2/2019	11:09:00	12.28	N\A	N\A	Reserve Shutdown	N\A	150
Polk 3	89	Reserve Shutdown	10/3/2019	22:42:00	10/4/2019	6:00:00	7.3	N\A	N\A	Reserve Shutdown	N\A	150
Polk 3	90	Reserve Shutdown	10/24/2019	0:30:00	10/24/2019	10:32:00	10.03	N\A	N\A	Reserve Shutdown	N\A	150
Polk 3	91	Reserve Shutdown	10/24/2019	10:40:00	10/24/2019	11:21:00	0.68	N\A	N\A	Reserve Shutdown	N\A	150
Polk 3	92	Reserve Shutdown	10/24/2019	11:29:00	10/24/2019	12:24:00	0.92	N\A	N\A	Reserve Shutdown	N\A	150
Polk 3	93	Reserve Shutdown	10/26/2019	0:47:00	10/26/2019	8:42:00	7.92	N\A	N\A	Reserve Shutdown	N\A	150
Polk 3	94	Unplanned (Forced) Outage - Immediate	10/28/2019	14:14:00	10/28/2019	18:14:00	4	5120	Hydraulic oil system	Forced Outage due to generator breaker hydraulic pump cycling on and off every 2 min.	N\A	150

Tampa Electric Company
Outage Listing
October 2019

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	144	Reserve Shutdown	10/5/2019	23:34:00	10/8/2019	11:39:00	60.08	N/A	N/A	Reserve Shutdown	N/A	150

Tampa Electric Company
Outage Listing
October 2019

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
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