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January 25, 2021

ELECTRONIC FILING

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

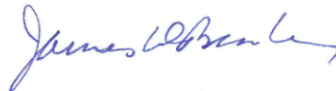
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance
Incentive Factor; FPSC Docket No. 20210001-EI

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 December 2020.

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 January 2021 to the following:

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ATTORNEY

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	
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	98.7	91.4	98.6	98.2	99.1	96.7	55.7	89.5
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,784.0
3. Service Hours	SH	739.2	480.7	348.7	717.4	730.6	713.9	681.0	736.9	711.4	739.7	705.0	1.3	7,305.8
4. Reserve Shutdown Hours	RSH	0.0	142.0	10.1	1.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	413.2	567.0
5. Unavailable Hours	UH	4.8	73.3	384.2	0.9	13.4	6.1	63.0	7.1	8.6	4.3	16.0	329.5	911.2
6. Planned Outage Hours	POH	0.0	57.5	275.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.8	329.5	673.8
7. Forced Outage Hours	FOH	1.2	0.0	109.2	0.9	13.4	0.0	0.0	7.1	0.6	0.0	0.0	0.0	132.4
8. Maintenance Outage Hours	MOH	3.6	15.8	0.0	0.0	0.0	6.1	63.0	0.0	8.0	4.3	4.2	0.0	105.0
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	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	0.0	0.0
10a. Partial Forced Outage Hours	PFOH	2.1	0.0	7.6	0.0	16.8	0.0	3.3	10.6	0.9	0.0	0.0	0.0	41.3
10b. Load Reduction Partial Forced (MW)	LRPF	69.4	0.0	79.0	0.0	94.1	0.0	79.1	79.0	79.1	0.0	0.0	0.0	84.7
11a. Partial Maintenance Outage Hours	PMOH	4.8	23.9	0.0	0.0	0.0	9.1	0.0	0.0	11.9	6.4	16.5	0.2	72.9
11b. Load Reduction Partial Maintenance (MW)	LRPM	78.0	80.4	0.0	0.0	0.0	79.0	0.0	0.0	79.0	79.0	114.1	258.6	87.9
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	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	2,267.2	2,404.8	2,912.4	2,241.8	2,354.4	2,180.4	0.0	23,305.7
14. Net Generation (MWH)	NETGEN	248,230.8	203,342.1	140,773.6	274,428.4	339,658.8	290,222.0	323,875.6	395,805.8	302,915.5	319,377.5	305,529.4	0.0	3,144,159.5
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,554.0	7,345.0	7,464.0	7,381.0	7,360.0	7,812.0	7,425.0	7,358.0	7,401.0	7,401.0	7,136.0	0.0	7,412.4
16. Net Output Factor (%)	NOF	42.1	53.4	50.8	54.6	65.1	57.5	66.3	75.9	60.0	61.2	60.5	0.0	58.8
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	701.0	792.0	731.3
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 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:	MONTH 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	97.8	95.3	91.9	99.2	99.6	46.3	99.0	90.6
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,784.0
3. Service Hours	SH	85.2	672.4	742.3	712.7	663.8	709.4	720.5	744.0	715.9	742.0	348.3	738.6	7,595.1
4. Reserve Shutdown Hours	RSH	448.8	0.0	0.0	0.0	0.0	0.0	0.0	-40.3	0.0	0.0	0.0	0.0	408.5
5. Unavailable Hours	UH	210.0	23.6	0.7	7.3	80.2	10.6	23.5	40.3	4.1	2.0	381.3	5.4	789.0
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	381.3	0.0	381.3
7. Forced Outage Hours	FOH	3.5	6.5	0.0	7.3	26.2	3.9	11.1	0.0	0.0	0.0	0.0	1.7	60.2
8. Maintenance Outage Hours	MOH	206.5	17.1	0.7	0.0	54.0	6.7	12.3	40.3	4.1	2.0	0.0	3.7	347.4
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	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	0.0	0.0
10a. Partial Forced Outage Hours	PFOH	4.8	11.2	0.0	14.2	47.9	7.7	21.8	0.0	0.0	0.0	0.0	2.9	110.5
10b. Load Reduction Partial Forced (MW)	LRPF	77.1	77.0	0.0	77.0	89.4	67.0	77.0	0.0	0.0	0.0	0.0	77.1	81.7
11a. Partial Maintenance Outage Hours	PMOH	9.6	20.2	1.2	0.0	105.6	13.1	24.1	78.8	8.0	3.9	10.4	6.4	281.3
11b. Load Reduction Partial Maintenance (MW)	LRPM	77.0	92.4	77.4	0.0	77.0	77.0	77.0	77.0	77.0	77.0	154.8	77.1	81.0
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	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	3,308.5	3,631.2	3,462.6	3,138.8	2,928.7	1,058.7	3,370.3	32,540.1
14. Net Generation (MWH)	NETGEN	22,308.2	357,443.8	406,847.3	417,285.6	366,298.4	431,349.1	495,327.5	471,829.2	428,814.5	398,819.3	138,818.6	463,595.0	4,398,736.5
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,496.0	7,435.0	7,468.0	7,324.0	7,371.0	7,670.0	7,331.0	7,339.0	7,320.0	7,343.0	7,626.0	7,270.0	7,397.6
16. Net Output Factor (%)	NOF	25.0	49.1	52.2	62.4	53.0	64.5	71.7	68.3	64.1	57.7	42.9	59.5	59.8
17. Net Period Continuous Rating (MW)	NPC	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0	1,047.0	968.3
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 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:	MONTH 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	31.6	29.5	40.3	55.8	32.6	79.5	44.0	35.7
2. Period Hours	PH	744.0	696.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,785.0
3. Service Hours	SH	629.2	0.0	0.0	0.0	1.4	580.8	738.6	425.2	602.7	366.4	664.4	407.8	4,416.5
4. Reserve Shutdown Hours	RSH	97.3	0.0	0.0	0.0	0.0	0.0	0.0	101.9	0.0	0.0	0.0	0.0	199.2
5. Unavailable Hours	UH	17.5	696.0	744.0	720.0	742.6	139.2	5.4	217.0	117.4	377.6	56.6	336.2	4,169.5
6. Planned Outage Hours	POH	17.5	696.0	744.0	720.0	659.8	0.0	0.0	0.0	0.0	377.6	47.3	0.0	3,262.2
7. Forced Outage Hours	FOH	0.0	0.0	0.0	0.0	0.0	2.0	5.4	0.0	11.3	0.0	9.3	336.2	364.2
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	0.0	82.8	137.2	0.0	217.0	106.1	0.0	0.0	0.0	543.1
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	510.8	407.8	918.6
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	75.0	85.0	79.4
10a. Partial Forced Outage Hours	PFOH	509.5	0.0	0.0	0.0	0.0	471.0	738.7	527.0	0.0	347.8	0.0	0.0	2,594.0
10b. Load Reduction Partial Forced (MW)	LRPF	37.1	0.0	0.0	0.0	0.0	182.0	257.0	182.0	0.0	150.0	0.0	0.0	170.6
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	0.0	138.2	87.0	0.0	0.0	0.0	0.0	0.0	225.2
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	0.0	267.0	337.0	0.0	0.0	0.0	0.0	0.0	294.0
12. Net Summer Continuous Rating (MW)	NSC	347.0	347.0	347.0	347.0	347.0	422.0	422.0	422.0	422.0	422.0	422.0	422.0	390.8
13. Operating British Thermal Units (GBTU)	OPR BTU	1,977.2	0.0	0.0	0.0	0.0	1,230.0	1,592.4	1,018.3	1,477.8	830.0	2,180.3	1,213.0	11,518.9
14. Net Generation (MWH)	NETGEN	188,162.0	0.0	1.0	0.0	-2,245.0	106,678.0	141,282.0	87,762.0	134,685.0	84,214.0	197,333.0	116,234.0	1,054,106.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	10,508.0	0.0	0.0	0.0	0.0	11,530.0	11,271.0	11,603.0	10,972.0	9,856.0	11,049.0	10,436.0	10,927.6
16. Net Output Factor (%)	NOF	85.0	0.0	0.0	0.0	-455.6	52.9	45.3	48.9	53.0	54.5	70.4	66.0	60.8
17. Net Period Continuous Rating (MW)	NPC	352.0	352.0	352.0	347.0	347.0	422.0	422.0	422.0	422.0	422.0	422.0	432.0	392.8
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:	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	91.7	75.8	93.7	99.2	78.1	40.6	4.1	69.9
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,784.0
3. Service Hours	SH	211.9	120.4	662.4	438.8	206.3	717.9	476.1	216.8	347.5	286.4	252.9	15.9	3,953.3
4. Reserve Shutdown Hours	RSH	516.8	444.0	0.0	44.0	0.0	0.0	174.8	527.3	366.4	294.6	39.3	14.7	2,421.9
5. Unavailable Hours	UH	15.3	131.6	80.6	237.2	537.7	2.1	93.1	0.0	6.2	163.0	427.8	713.5	2,408.1
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	359.8	108.0	467.8
7. Forced Outage Hours	FOH	1.6	10.7	0.0	154.1	537.7	2.1	0.0	0.0	6.2	150.8	0.0	605.5	1,468.7
8. Maintenance Outage Hours	MOH	13.7	120.9	80.6	83.1	0.0	0.0	93.1	0.0	0.0	12.3	68.0	0.0	471.7
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	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	0.0	0.0
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	0.0	107.1	0.0	717.9	650.9	566.9	0.0	0.0	0.0	0.0	2,042.8
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	0.0	90.0	0.0	18.9	28.0	13.3	0.0	0.0	0.0	0.0	24.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	119.8	229.6	0.0	0.0
12. Net Summer Continuous Rating (MW)	NSC	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0	202.0	202.0	202.0	202.0	207.3
13. Operating British Thermal Units (GBTU)	OPR BTU	256.3	157.0	877.3	555.1	298.1	1,068.7	613.0	256.9	440.2	338.7	322.1	19.5	5,202.9
14. Net Generation (MWH)	NETGEN	30,426.0	15,360.0	101,937.0	62,777.0	33,685.0	130,490.0	68,825.0	27,805.0	46,082.0	35,386.0	34,985.0	-648.0	587,110.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,424.0	10,218.0	8,606.0	8,843.0	8,849.0	8,188.0	11,271.0	11,603.0	9,553.0	9,572.0	9,206.0	0.0	8,861.8
16. Net Output Factor (%)	NOF	59.3	52.7	63.4	60.9	69.0	77.4	68.8	61.1	65.7	61.2	68.5	-22.7	70.3
17. Net Period Continuous Rating (MW)	NPC	230.0	230.0	230.0	210.0	210.0	210.0	210.0	210.0	210.0	202.0	202.0	180.0	211.2
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:	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	82.8	95.5	92.9	72.0	64.2	62.3	81.3	89.5
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	721.0	744.0	8,784.0
3. Service Hours	SH	741.6	675.1	733.0	714.9	709.0	597.6	732.1	736.4	717.3	590.1	589.6	664.3	8,201.0
4. Reserve Shutdown Hours	RSH	0.0	0.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.5
5. Unavailable Hours	UH	2.4	20.9	5.5	5.1	35.0	122.4	11.9	7.6	113.0	154.0	131.4	79.7	688.9
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	101.8	15.8	82.9	38.7	246.0
7. Forced Outage Hours	FOH	0.1	7.7	5.5	0.1	0.0	122.4	0.3	0.8	5.2	130.9	48.5	28.7	350.2
8. Maintenance Outage Hours	MOH	2.3	13.2	0.0	5.0	35.0	0.0	11.6	0.0	6.1	7.2	0.0	12.2	92.6
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	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	0.0	0.0
10a. Partial Forced Outage Hours	PFOH	9.2	14.3	0.0	33.6	0.4	6.0	43.0	134.5	39.1	349.7	172.6	74.8	877.2
10b. Load Reduction Partial Forced (MW)	LRPF	166.1	179.5	0.0	338.2	126.2	241.0	133.6	120.8	55.3	136.5	138.2	182.1	144.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	106.6	0.0	15.4	107.7	0.0	35.8	40.0	311.6	33.6	176.8	103.2	930.7
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	125.0	0.0	125.0	125.0	0.0	119.8	119.8	123.8	119.8	229.6	143.8	145.9
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	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	3,627.4	3,718.0	3,677.7	2,648.7	2,516.2	2,624.7	3,618.2	43,484.4
14. Net Generation (MWH)	NETGEN	636,822.0	593,139.0	665,332.0	581,812.0	559,597.0	514,715.0	521,798.0	518,105.0	373,027.0	291,570.0	366,035.0	512,193.0	6,134,145.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	6,938.0	6,945.0	6,873.0	6,928.0	6,990.0	7,048.0	7,125.0	7,098.0	7,100.0	7,307.0	7,171.0	7,064.0	7,088.9
16. Net Output Factor (%)	NOF	71.3	71.0	75.5	76.2	70.9	78.3	66.1	65.6	49.0	44.8	48.1	57.4	67.5
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	1,061.0	1,200.0	1,107.3
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-53.862) + 11,266												

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Tampa Electric Company
 Outage Listing
 December 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)	93	Planned Outage	12/1/2020	0:00:00	12/14/2020	18:00:00	330	4619	Other hydrogen system problems	Planned fall outage		183
BS CT1(A)	94	Reserve Shutdown	12/14/2020	18:00:00	12/31/2020	23:59:00	413.98			Reserve Shutdown		183

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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)	119	Planned Outage	12/1/2020	1:20:00	12/14/2020	18:00:00	328.67	4619	Other hydrogen system prc Upgrades were made to the hydrogen dryers as the older dryers were obsolete.			183
BS CT1(B)	120	Reserve Shutdown	12/14/2020	18:00:00	12/31/2020	23:59:00	413.98		Reserve Shutdown			183

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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)	122	Planned Outage	12/1/2020	0:00:00	12/14/2020	18:00:00	330	4619	Other hydrogen system problems	Planned fall outage		183
BS CT1(C)	123	Reserve Shutdown	12/14/2020	18:00:00	12/31/2020	23:59:00	413.98			Reserve Shutdown		183

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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	29	Maintenance Derating	12/1/2020	0:00:00	12/1/2020	0:47:00	0:78	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1A fall outage	154	243
BS ST 1	30	Maintenance Derating	12/1/2020	0:00:00	12/1/2020	0:47:00	0:78	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1C Planned fall outage	75	243
BS ST 1	31	Planned Outage	12/1/2020	0:47:00	12/14/2020	18:00:00	329.22	3123	Hot well	Steam Turbine came down for its planned Fall Outage to perform routine maintenance. (T		243
BS ST 1	32	Maintenance Derating	12/1/2020	0:47:00	12/2/2020	0:47:00	24	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1C Planned fall outage	160	243
BS ST 1	33	Reserve Shutdown	12/14/2020	18:00:00	12/31/2020	23:59:00	413.98			reserve shutdown		243

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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)	60	Reserve Shutdown	12/1/2020	9:20:00	12/1/2020	17:48:00	8.47			Reserve Shutdown		183
BS CT2(A)	61	Reserve Shutdown	12/6/2020	0:12:00	12/6/2020	7:29:00	7.28			Reserve Shutdown		183
BS CT2(A)	62	Reserve Shutdown	12/21/2020	21:18:00	12/22/2020	5:40:00	8.37			Reserve Shutdown		183
BS CT2(A)	63	Maintenance Outage	12/22/2020	5:40:00	12/22/2020	12:30:00	6.83	5299	Other miscellaneous gas turbine problems	Replace load compartment vent fan		183
BS CT2(A)	64	Reserve Shutdown	12/22/2020	12:30:00	12/23/2020	4:23:00	15.88			Reserve Shutdown		183
BS CT2(A)	65	Reserve Shutdown	12/26/2020	14:26:00	12/28/2020	16:33:00	50.12			Reserve Shutdown		183

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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)	121	Reserve Shutdown	12/1/2020	8:12:00	12/1/2020	16:40:00	8.47			Reserve Shutdown		183
BS CT2(B)	122	Reserve Shutdown	12/3/2020	8:48:00	12/3/2020	15:41:00	6.88			Reserve Shutdown		183
BS CT2(B)	123	Reserve Shutdown	12/23/2020	13:06:00	12/24/2020	13:40:00	24.57			Reserve Shutdown		183
BS CT2(B)	124	Reserve Shutdown	12/29/2020	10:35:00	12/30/2020	4:44:00	18.15			Reserve Shutdown		183

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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)	104	Reserve Shutdown	12/8/2020	11:37:00	12/8/2020	18:33:00	6.93			Reserve Shutdown	183	183
BS CT2(C)	105	Reserve Shutdown	12/13/2020	23:03:00	12/14/2020	11:36:00	12.55			Reserve Shutdown	183	183
BS CT2(C)	106	Reserve Shutdown	12/17/2020	0:39:00	12/17/2020	3:20:00	2.68			Reserve Shutdown	183	183
BS CT2(C)	107	Maintenance Outage	12/17/2020	3:20:00	12/17/2020	10:57:00	7.62	5160	Cooling and seal air system	Replace exhaust frame blower	183	183
BS CT2(C)	108	Reserve Shutdown	12/19/2020	8:40:00	12/19/2020	15:53:00	7.22			Reserve Shutdown	183	183
BS CT2(C)	109	Reserve Shutdown	12/20/2020	1:46:00	12/21/2020	5:21:00	27.58			Reserve Shutdown	183	183
BS CT2(C)	110	Reserve Shutdown	12/23/2020	10:30:00	12/26/2020	17:39:00	79.15			Reserve Shutdown	183	183
BS CT2(C)	111	Reserve Shutdown	12/28/2020	9:45:00	12/29/2020	5:44:00	19.98			Reserve Shutdown	183	183
BS CT2(C)	112	Reserve Shutdown	12/30/2020	9:12:00	12/31/2020	17:22:00	32.17			Reserve Shutdown	183	183

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Outage Listing
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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)	105	Unplanned (Forced) Outage - Immediate	12/2/2020	6:45:00	12/2/2020	16:29:00	9.73	5120	Hydraulic oil system	Solenoid failed		183
BS CT2(D)	106	Reserve Shutdown	12/5/2020	0:02:00	12/7/2020	4:43:00	52.68			Reserve Shutdown		183
BS CT2(D)	107	Reserve Shutdown	12/10/2020	22:57:00	12/11/2020	5:58:00	7.02			Reserve Shutdown		183
BS CT2(D)	108	Reserve Shutdown	12/12/2020	22:40:00	12/13/2020	10:45:00	12.08			Reserve Shutdown		183
BS CT2(D)	109	Reserve Shutdown	12/15/2020	0:11:00	12/15/2020	0:56:00	0.75			Reserve Shutdown		183
BS CT2(D)	110	Reserve Shutdown	12/16/2020	0:09:00	12/16/2020	3:45:00	3.6			Reserve Shutdown		183
BS CT2(D)	111	Maintenance Outage	12/16/2020	3:45:00	12/16/2020	10:41:00	6.93	0520	Other main steam valves (including vent and d	Replacement of manual drain valve 2D-SDS-V215		183
BS CT2(D)	112	Reserve Shutdown	12/16/2020	10:41:00	12/16/2020	12:16:00	1.58			Reserve Shutdown		183
BS CT2(D)	113	Reserve Shutdown	12/19/2020	9:22:00	12/20/2020	9:02:00	23.67			Reserve Shutdown		183
BS CT2(D)	114	Reserve Shutdown	12/20/2020	23:38:00	12/21/2020	16:34:00	16.93			Reserve Shutdown		183
BS CT2(D)	115	Reserve Shutdown	12/23/2020	9:27:00	12/23/2020	16:20:00	6.88			Reserve Shutdown		183
BS CT2(D)	116	Reserve Shutdown	12/24/2020	20:05:00	12/25/2020	22:39:00	26.57			Reserve Shutdown		183
BS CT2(D)	117	Reserve Shutdown	12/26/2020	4:08:00	12/26/2020	20:16:00	16.13			Reserve Shutdown		183
BS CT2(D)	118	Reserve Shutdown	12/28/2020	23:50:00	12/30/2020	16:29:00	40.65			Reserve Shutdown		183
BS CT2(D)	119	Reserve Shutdown	12/31/2020	0:51:00	12/31/2020	13:17:00	12.43			Reserve Shutdown		183
BS CT2(D)	120	Reserve Shutdown	12/31/2020	21:41:00	12/31/2020	23:59:00	2.3			Reserve Shutdown		183

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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	31	Unplanned (Forced) Derating - Immediate	12/2/2020	6:45:00	12/2/2020	16:29:00	9.73	3999	Other miscellaneous balance of plant problems	ST2 Derated - Fuel gas stop valve solenoid failed	238	315
BS ST 2	32	Maintenance Derating	12/16/2020	3:45:00	12/16/2020	10:41:00	6.93	3999	Other miscellaneous balance of plant problems	ST2 Derated - Replacement of manual drain valve 2D-SDS-V215	238	315
BS ST 2	33	Maintenance Derating	12/17/2020	3:20:00	12/17/2020	10:57:00	7.62	3999	Other miscellaneous balance of plant problems	ST2 Derated - Replace exhaust frame blower	238	315
BS ST 2	34	Maintenance Derating	12/22/2020	5:40:00	12/22/2020	12:30:00	6.83	3999	Other miscellaneous balance of plant problems	ST2 Derated - Replace load compartment vent fan	238	315

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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	24	Planned Der.	12/1/2020	0:00:00	12/31/2020	23:59:00	743.98	1035	Platen superheater	Reduced the steam header pressure (2000#) to preserve boiler tube integrity (reliabili	347	432
Big Bend 4	26	Unplanned (12/17/2020	23:45:00	12/31/2020	23:59:00	336.23	1035	Platen superheater	Superheat tube leaks.		432

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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	36	Planned Outage	12/1/2020	0:00:00	12/5/2020	12:00:00	108	3970	Distributive Control System process computer	Upgrading DCS CPUs on Loop 1		180
Polk 1	37	Unplanned (Forced) Outage - Immediate	12/5/2020	12:00:00	12/13/2020	13:41:00	193.68	3999	Other miscellaneous balance of plant problems	STG1 had a hydrogen cooler leak.		180
Polk 1	38	Unplanned (Forced) Outage - Immediate	12/13/2020	15:10:00	12/13/2020	18:45:00	3.58	0520	Other main steam valves (including vent and d	IP Superheat Steam Safety has a hole in the discharge line downstream of the safety. T		180
Polk 1	39	Reserve Shutdown	12/13/2020	18:45:00	12/14/2020	9:24:00	14.65					180
Polk 1	40	Unplanned (Forced) Outage - Immediate	12/14/2020	23:46:00	12/31/2020	23:59:00	408.22	0856	HP Drum relief/safety valves	HP Drum Level control valve failed, STG1 tripped on HP Drum High Level due to valve fa		180

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Outage Listing
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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	32	Planned Outage	12/1/2020	0:00:00	12/5/2020	12:00:00	108	3970	Distributive Control System prc DCS CPUs on Loop 1 getting upgraded			50
Polk 1 ST	33	Unplanned (Forced) Outage - Immediate	12/5/2020	12:00:00	12/13/2020	13:41:00	193.68	4650	Other cooling system problem: STG1 had a hydrogen cooler leak.			50
Polk 1 ST	34	Reserve Shutdown	12/13/2020	13:41:00	12/13/2020	15:10:00	1.48					50
Polk 1 ST	35	Unplanned (Forced) Outage - Immediate	12/13/2020	15:10:00	12/13/2020	18:45:00	3.58	3999	Other miscellaneous balance o IP Superheat Steam Safety has a hole in the discharge line downstream of the safety.			50
Polk 1 ST	36	Reserve Shutdown	12/13/2020	18:45:00	12/14/2020	10:59:00	16.23					50
Polk 1 ST	37	Unplanned (Forced) Outage - Immediate	12/14/2020	23:23:00	12/31/2020	23:59:00	408.6	3999	Other miscellaneous balance o HP Drum Level control valve failed, STG1 tripped on HP Drum High Level due to valve fa			50

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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	66	Reserve Shutdown	12/1/2020	0:00:00	12/1/2020	5:22:00	5.37			Reserve Shutdown	180	180
Polk 2	67	Reserve Shutdown	12/3/2020	10:10:00	12/5/2020	9:50:00	47.67			Reserve Shutdown	180	180
Polk 2	68	Unplanned (Forced) Outage - Immediate	12/9/2020	19:15:00	12/10/2020	4:29:00	9.23	5111	Lube oil pumps	GTG2 Auxiliary Lube Oil Pumps had very high vibrations. Had to replace.	180	180
Polk 2	69	Unplanned (Forced) Outage - Immediate	12/18/2020	10:33:00	12/18/2020	12:35:00	2.03			GTG2 DCS Power Supply card failed, Unit tripped. Online Trip. Trip Load = 58.2377 MW,	180	180
Polk 2	70	Unplanned (Forced) Outage - Immediate	12/18/2020	13:55:00	12/18/2020	16:12:00	2.28	0520	Other main steam valves (inclu	HRSG 2 Hot Reheat Dump to the condenser sticking, operating erratically causing a fau	180	180
Polk 2	71	Reserve Shutdown	12/26/2020	15:12:00	12/28/2020	4:06:00	36.9				180	180

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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	91	Maintenance Derating	12/1/2020	0:00:00	12/11/2020	18:00:00	2:58 3999		Other miscellaneous balance of plant problems	GTG3 & HRSG3 Annual EBI and clean-up of GTG/HRSG	336.25	480
Polk 2 ST	92	Unplanned (Forced) Derating - Immediate	12/8/2020	7:50:00	12/8/2020	9:41:00	1:85 3999		Other miscellaneous balance of plant problems	HRSG4 SPB-AOV-201 (Cold RH Dump Block Valve) stuck closed causing the Unit to trip.	355.25	480
Polk 2 ST	93	Unplanned (Forced) Derating - Immediate	12/9/2020	19:15:00	12/10/2020	4:29:00	9:23 3999		Other miscellaneous balance of plant problems	GTG2 Auxiliary Lube Oil Pumps had very high vibrations. Had to replace.	355.25	480
Polk 2 ST	94	Unplanned (Forced) Derating - Immediate	12/11/2020	18:00:00	12/19/2020	2:02:00	176.03 3999		Other miscellaneous balance of plant problems	GTG3 Aft expansion joint on unit 3 where some of the circumferential liner plates have	355.25	480
Polk 2 ST	95	Unplanned (Forced) Derating - Immediate	12/14/2020	12:30:00	12/17/2020	22:09:00	81.65 3999		Other miscellaneous balance of plant problems	Inspection of Natural Gas Orifice	355.25	480
Polk 2 ST	96	Unplanned (Forced) Derating - Immediate	12/18/2020	10:33:00	12/18/2020	12:35:00	2:03 3999		Other miscellaneous balance of plant problems	GTG2 DCS Power Supply card failed, GTG2 tripped.	355.25	480
Polk 2 ST	97	Unplanned (Forced) Derating - Immediate	12/18/2020	13:55:00	12/18/2020	16:12:00	2:28 3999		Other miscellaneous balance of plant problems	HRSG 2 Hot Reheat Dump to the condenser sticking, operating erratically causing a fau	355.25	480

**Tampa Electric Company
Outage Listing
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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	99	Planned Outage	12/1/2020	0:00:00	12/11/2020	18:00:00	258	1999	Boiler, miscellaneous	Annual EBI and clean-up of GTG/HRS	180	180
Polk 3	100	Unplanned (Forced) Outage - Immediate	12/11/2020	18:00:00	12/19/2020	2:02:00	176.03	5100	Chamber	Aft expansion joint on unit 3 where some of the circumferential liner plates have libe	180	180
Polk 3	101	Reserve Shutdown	12/30/2020	23:38:00	12/31/2020	23:59:00	24.35				180	180

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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	90	Reserve Shutdown	12/8/2020	1:00:00	12/8/2020	7:23:00	6.38			Reserve Shutdown		180
Polk 4	91	Unplanned (Forced) Outage - Immediate	12/8/2020	7:50:00	12/8/2020	9:41:00	1.85	0560	Other reheat steam valves (not HRSG4 SPB-AOV-201 (Cold RH Dump Block Valve) stuck closed causing the Unit to trip. O			180
Polk 4	92	Reserve Shutdown	12/11/2020	22:53:00	12/12/2020	8:40:00	9.78			Reserve Shutdown		180
Polk 4	93	Maintenance Outage	12/14/2020	12:30:00	12/17/2020	22:09:00	81.65	3899	Other miscellaneous auxiliary s	Inspection of Natural Gas Orifice		180
Polk 4	94	Reserve Shutdown	12/17/2020	22:09:00	12/17/2020	22:29:00	0.33			Reserve Shutdown		180

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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	69	Reserve Shutdown	12/1/2020	0:00:00	12/1/2020	16:10:00	16.17			Reserve Shutdown		180
Polk 5	70	Reserve Shutdown	12/6/2020	23:37:00	12/7/2020	6:44:00	7.12			Reserve Shutdown		180
Polk 5	71	Reserve Shutdown	12/13/2020	1:01:00	12/13/2020	7:35:00	6.57			Reserve Shutdown		180
Polk 5	72	Reserve Shutdown	12/27/2020	8:21:00	12/29/2020	17:05:00	56.73					180
Polk 5	73	Reserve Shutdown	12/30/2020	0:35:00	12/30/2020	13:57:00	13.37					180