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November 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

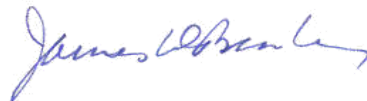
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance  
Incentive Factor; FPSC Docket No. 20200001-EI

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 October 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 November 2020 to the following:

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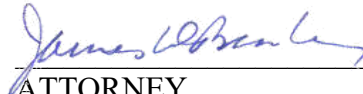
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ATTORNEY

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	98.7	91.4	98.6	98.2	99.1			92.1
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0			7,319.0
3. Service Hours	SH	739.2	480.7	348.7	717.4	730.6	713.9	681.0	744.0	711.4	739.7			6,606.6
4. Reserve Shutdown Hours	RSH	0.0	142.0	10.1	1.7	0.0	0.0	0.0	-7.1	0.0	0.0			146.7
5. Unavailable Hours	UH	4.8	73.3	384.2	0.9	13.4	6.1	63.0	7.1	8.6	4.3			565.7
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			332.5
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			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			100.8
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	2.1	0.0	7.6	0.0	16.8	0.0	3.3	10.6	0.9	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			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			56.1
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			79.5
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	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			21,125.3
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			2,838,630.1
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			7,442.1
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			59.0
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 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	97.8	95.3	91.9	99.2	99.6			94.1
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0			7,319.0
3. Service Hours	SH	85.2	672.4	742.3	712.7	663.8	709.4	720.5	744.0	715.9	742.0			6,508.2
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			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			402.3
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			0.0
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			58.5
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			343.7
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
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	4.8	11.2	0.0	14.2	47.9	7.7	21.8	0.0	0.0	0.0			107.6
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			81.8
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			264.5
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			78.2
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	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			28,111.2
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			3,796,322.9
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			7,404.8
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			60.5
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			964.4
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		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	31.6	29.5	40.3	55.8	32.6			30.4
2. Period Hours	PH	744.0	696.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0			7,320.0
3. Service Hours	SH	629.2	0.0	0.0	0.0	1.4	580.8	738.6	425.2	602.7	366.4			3,344.3
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			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			3,776.7
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			3,214.9
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			18.7
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			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			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	509.5	0.0	0.0	0.0	0.0	471.0	738.7	527.0	0.0	347.8			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			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			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			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			384.5
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			8,125.6
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			740,539.0
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			10,972.6
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			57.4
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			386.0
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	91.7	75.8	93.7	99.2	78.1			79.6
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0			7,319.0
3. Service Hours	SH	211.9	120.4	662.4	438.8	206.3	717.9	476.1	216.8	347.5	286.4			3,684.5
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			2,367.9
5. Unavailable Hours	UH	15.3	131.6	80.6	237.2	537.7	2.1	93.1	0.0	6.2	163.0			1,266.8
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			0.0
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			863.2
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			403.7
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
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	0.0	0.0	0.0	107.1	0.0	717.9	650.9	566.9	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			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
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			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			208.4
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			4,861.3
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			552,773.0
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			8,794.3
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			69.7
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			215.2
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:	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			91.4
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0			7,319.0
3. Service Hours	SH	741.6	675.1	733.0	714.9	709.0	597.6	732.1	744.0	717.3	590.1			6,954.7
4. Reserve Shutdown Hours	RSH	0.0	0.0	4.5	0.0	0.0	0.0	0.0	-7.6	0.0	0.0			-3.1
5. Unavailable Hours	UH	2.4	20.9	5.5	5.1	35.0	122.4	11.9	7.6	113.0	154.0			477.8
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			124.4
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			273.0
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			80.4
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
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	9.2	14.3	0.0	33.6	0.4	6.0	43.0	134.5	39.1	349.7			629.8
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			141.1
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			650.7
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			123.6
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	4,418.6	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			37,241.6
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			5,255,917.0
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			7,085.6
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			68.5
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			1,102.7
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF ( -53.862 ) + 11,266												



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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(A)	168	Reserve Shutdown	10/1/2020	0:00:00	10/1/2020	13:18:00	13.3			Reserve Shutdown		156
BS CT1(A)	169	Reserve Shutdown	10/8/2020	1:03:00	10/8/2020	12:35:00	11.53			Reserve Shutdown		156
BS CT1(A)	170	Reserve Shutdown	10/9/2020	2:38:00	10/10/2020	12:31:00	33.88			Reserve Shutdown		156
BS CT1(A)	171	Reserve Shutdown	10/12/2020	20:30:00	10/13/2020	15:13:00	18.72			Reserve Shutdown		156
BS CT1(A)	172	Reserve Shutdown	10/14/2020	21:38:00	10/15/2020	14:34:00	16.93			Reserve Shutdown		156
BS CT1(A)	173	Reserve Shutdown	10/17/2020	1:44:00	10/17/2020	14:51:00	13.12			Reserve Shutdown		156
BS CT1(A)	174	Reserve Shutdown	10/23/2020	0:44:00	10/23/2020	13:20:00	12.6			Reserve Shutdown		156
BS CT1(A)	175	Reserve Shutdown	10/24/2020	0:56:00	10/24/2020	13:47:00	12.85			Reserve Shutdown		156
BS CT1(A)	176	Reserve Shutdown	10/30/2020	0:31:00	10/30/2020	4:18:00	3.78			Reserve Shutdown		156
BS CT1(A)	177	Maintenance Outage	10/30/2020	4:18:00	10/30/2020	23:28:00	19.17	4610	Hydrogen cooling system piping and valves	1A Manual hydrogen valve leaking through. Replaced the valve.		156
BS CT1(A)	167	Reserve Shutdown	10/30/2020	23:28:00	10/31/2020	12:42:00	13.23			Reserve Shutdown		156

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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)	115	Reserve Shutdown	10/2/2020	0:03:00	10/2/2020	15:23:00	15.33			Reserve Shutdown		156
BS CT1(B)	116	Reserve Shutdown	10/2/2020	19:04:00	10/3/2020	15:28:00	20.4			Reserve Shutdown		156
BS CT1(B)	117	Reserve Shutdown	10/4/2020	1:50:00	10/5/2020	14:16:00	36.43			Reserve Shutdown		156
BS CT1(B)	118	Reserve Shutdown	10/7/2020	22:42:00	10/8/2020	13:09:00	14.45			Reserve Shutdown		156
BS CT1(B)	119	Reserve Shutdown	10/10/2020	0:03:00	10/10/2020	16:03:00	16			Reserve Shutdown		156
BS CT1(B)	120	Reserve Shutdown	10/11/2020	22:31:00	10/12/2020	15:19:00	16.8			Reserve Shutdown		156
BS CT1(B)	121	Reserve Shutdown	10/13/2020	20:58:00	10/14/2020	12:57:00	15.98			Reserve Shutdown		156
BS CT1(B)	122	Reserve Shutdown	10/15/2020	23:36:00	10/16/2020	12:15:00	12.65			Reserve Shutdown		156
BS CT1(B)	123	Reserve Shutdown	10/17/2020	0:10:00	10/17/2020	13:08:00	12.97			Reserve Shutdown		156
BS CT1(B)	124	Reserve Shutdown	10/18/2020	3:15:00	10/18/2020	13:40:00	10.42			Reserve Shutdown		156
BS CT1(B)	125	Reserve Shutdown	10/19/2020	1:09:00	10/20/2020	6:58:00	29.82			Reserve Shutdown		156
BS CT1(B)	126	Reserve Shutdown	10/20/2020	20:29:00	10/22/2020	11:23:00	38.9			Reserve Shutdown		156
BS CT1(B)	127	Reserve Shutdown	10/22/2020	21:40:00	10/23/2020	11:41:00	14.02			Reserve Shutdown		156
BS CT1(B)	128	Reserve Shutdown	10/23/2020	20:16:00	10/24/2020	11:44:00	15.47			Reserve Shutdown		156
BS CT1(B)	129	Reserve Shutdown	10/27/2020	2:17:00	10/27/2020	14:17:00	12			Reserve Shutdown		156
BS CT1(B)	114	Reserve Shutdown	10/30/2020	20:06:00	10/31/2020	13:51:00	17.75			Reserve Shutdown		156

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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)	105	Reserve Shutdown	10/1/2020	0:00:00	10/1/2020	15:21:00	15.35			Reserve Shutdown		156
BS CT1(C)	106	Reserve Shutdown	10/2/2020	23:56:00	10/5/2020	16:41:00	64.75			Reserve Shutdown		156
BS CT1(C)	107	Reserve Shutdown	10/8/2020	19:52:00	10/9/2020	11:56:00	16.07			Reserve Shutdown		156

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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	27	Maintenance Derating	10/30/2020	4:18:00	10/30/2020	23:28:00	19:17	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1A Manual hydrogen valve leaking through. Replaced the v	154	233

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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)	106	Reserve Shutdown	10/6/2020	19:50:00	10/7/2020	10:25:00	14.58			Reserve Shutdown		156
BS CT2(A)	107	Reserve Shutdown	10/8/2020	2:22:00	10/8/2020	16:36:00	14.23			Reserve Shutdown		156
BS CT2(A)	108	Reserve Shutdown	10/11/2020	0:13:00	10/12/2020	12:39:00	36.43			Reserve Shutdown		156
BS CT2(A)	109	Reserve Shutdown	10/12/2020	23:14:00	10/14/2020	11:51:00	36.62			Reserve Shutdown		156
BS CT2(A)	110	Reserve Shutdown	10/25/2020	23:48:00	10/26/2020	12:08:00	12.33			Reserve Shutdown		156
BS CT2(A)	111	Reserve Shutdown	10/29/2020	1:25:00	10/29/2020	11:34:00	10.15			Reserve Shutdown		156
BS CT2(A)	56	Reserve Shutdown	10/31/2020	1:13:00	10/31/2020	14:22:00	13.15			Reserve Shutdown		156

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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)	211	Reserve Shutdown	10/1/2020	0:00:00	10/1/2020	11:24:00	11.4			Reserve Shutdown		156
BS CT2(B)	212	Reserve Shutdown	10/1/2020	20:57:00	10/2/2020	12:54:00	15.95			Reserve Shutdown		156
BS CT2(B)	213	Reserve Shutdown	10/3/2020	2:23:00	10/5/2020	12:16:00	57.88			Reserve Shutdown		156
BS CT2(B)	214	Reserve Shutdown	10/6/2020	1:23:00	10/6/2020	13:49:00	12.43			Reserve Shutdown		156
BS CT2(B)	215	Reserve Shutdown	10/8/2020	22:22:00	10/9/2020	13:37:00	15.25			Reserve Shutdown		156
BS CT2(B)	216	Reserve Shutdown	10/10/2020	20:10:00	10/11/2020	12:21:00	16.18			Reserve Shutdown		156
BS CT2(B)	217	Reserve Shutdown	10/12/2020	0:58:00	10/13/2020	12:50:00	35.87			Reserve Shutdown		156
BS CT2(B)	218	Reserve Shutdown	10/14/2020	23:38:00	10/15/2020	12:37:00	12.98			Reserve Shutdown		156
BS CT2(B)	219	Reserve Shutdown	10/16/2020	1:43:00	10/16/2020	13:39:00	11.93			Reserve Shutdown		156
BS CT2(B)	220	Reserve Shutdown	10/17/2020	3:51:00	10/18/2020	12:27:00	32.6			Reserve Shutdown		156
BS CT2(B)	221	Reserve Shutdown	10/20/2020	0:54:00	10/21/2020	13:40:00	36.77			Reserve Shutdown		156
BS CT2(B)	222	Reserve Shutdown	10/23/2020	2:26:00	10/23/2020	12:28:00	10.03			Reserve Shutdown		156
BS CT2(B)	223	Reserve Shutdown	10/24/2020	21:02:00	10/25/2020	10:08:00	13.1			Reserve Shutdown		156
BS CT2(B)	224	Reserve Shutdown	10/28/2020	1:01:00	10/28/2020	12:33:00	11.53			Reserve Shutdown		156
BS CT2(B)	112	Reserve Shutdown	10/31/2020	21:44:00	10/31/2020	23:59:00	2.27			Reserve Shutdown		156

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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)	87	Reserve Shutdown	10/1/2020	1:36:00	10/1/2020	12:21:00	10.75			Reserve Shutdown		156
BS CT2(C)	88	Reserve Shutdown	10/2/2020	2:08:00	10/6/2020	12:52:00	106.73			Reserve Shutdown		156
BS CT2(C)	89	Reserve Shutdown	10/6/2020	21:19:00	10/7/2020	15:27:00	18.13			Reserve Shutdown		156
BS CT2(C)	90	Reserve Shutdown	10/10/2020	2:02:00	10/11/2020	13:38:00	35.6			Reserve Shutdown		156
BS CT2(C)	91	Reserve Shutdown	10/14/2020	1:09:00	10/14/2020	15:42:00	14.55			Reserve Shutdown		156
BS CT2(C)	92	Reserve Shutdown	10/15/2020	1:28:00	10/15/2020	18:05:00	16.62			Reserve Shutdown		156
BS CT2(C)	93	Reserve Shutdown	10/18/2020	1:28:00	10/19/2020	12:30:00	35.03			Reserve Shutdown		156
BS CT2(C)	94	Reserve Shutdown	10/22/2020	2:25:00	10/22/2020	12:16:00	9.85			Reserve Shutdown		156
BS CT2(C)	95	Reserve Shutdown	10/24/2020	2:55:00	10/24/2020	12:41:00	9.77			Reserve Shutdown		156
BS CT2(C)	96	Reserve Shutdown	10/25/2020	1:27:00	10/25/2020	12:10:00	10.72			Reserve Shutdown		156
BS CT2(C)	97	Reserve Shutdown	10/26/2020	1:23:00	10/26/2020	9:02:00	7.65			Reserve Shutdown		156
BS CT2(C)	98	Reserve Shutdown	10/30/2020	10:11:00	10/31/2020	13:15:00	27.07			Reserve Shutdown		156

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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)	195	Reserve Shutdown	10/3/2020	18:57:00	10/6/2020	15:03:00	68.1			Reserve Shutdown		156
BS CT2(D)	196	Reserve Shutdown	10/19/2020	15:58:00	10/20/2020	5:00:00	13.03			Reserve Shutdown		156
BS CT2(D)	197	Maintenance Outage	10/20/2020	5:00:00	10/20/2020	17:00:00	12	3430	Feedwater regulating (boiler level control) v	Repair leaking FW valves		156
BS CT2(D)	198	Reserve Shutdown	10/20/2020	17:00:00	10/22/2020	13:43:00	44.72			Reserve Shutdown		156
BS CT2(D)	199	Reserve Shutdown	10/25/2020	3:43:00	10/25/2020	12:52:00	9.15			Reserve Shutdown		156
BS CT2(D)	200	Reserve Shutdown	10/27/2020	0:05:00	10/27/2020	12:22:00	12.28			Reserve Shutdown		156
BS CT2(D)	201	Reserve Shutdown	10/30/2020	9:22:00	10/30/2020	16:38:00	7.27			Reserve Shutdown		156
BS CT2(D)	101	Reserve Shutdown	10/31/2020	10:03:00	10/31/2020	23:59:00	13.95			Reserve Shutdown		156



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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	26	Maintenance Derating	10/20/2020	5:00:00	10/20/2020	17:00:00	12	3999	Other miscellaneous balance of plant problems	ST2 Derated - Repair leaking FW valves	228	305

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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	23	Unplanned (	10/1/2020	0:00:00	10/15/2020	11:45:00	347.75 8270		Scrubber booster F.D. fan (fan specific to th	C Booster fan removed from service due to high vibration indications.	272	422
Big Bend 4	24	Planned Out	10/16/2020	6:23:00	10/31/2020	23:59:00	377.62 1035		Platen superheater	Boiler tube work.		422

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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	32	Reserve Shutdown	10/1/2020	0:00:00	10/7/2020	15:50:00	159.83			Reserve Shutdown		152
Polk 1	33	Unplanned (Forced) Outage - Immediate	10/7/2020	15:50:00	10/13/2020	22:35:00	150.75	5100	Chamber	GTG1 Exhaust Expansion joint torn, leaking excessive exhaust gas...notice when flame p		152
Polk 1	34	Reserve Shutdown	10/13/2020	22:35:00	10/19/2020	13:21:00	134.77					152
Polk 1	35	Maintenance Outage	10/31/2020	11:44:00	10/31/2020	23:59:00	12.27	0775	Economizer piping	LP Economizer leak on lower section of harp		152

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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	27	Reserve Shutdown	10/1/2020	0:00:00	10/7/2020	15:50:00	159.83		Reserve Shutdown			50
Polk 1 ST	28	Unplanned (Forced) Outage - Immediate	10/7/2020	15:50:00	10/13/2020	22:35:00	150.75	3999	Other miscellaneous balance o	GTG1 Exhaust Expansion joint torn, leaking excessive exhaust gas...notice when flame p		50
Polk 1 ST	29	Reserve Shutdown	10/13/2020	22:35:00	10/19/2020	16:34:00	137.98					50
Polk 1 ST	30	Maintenance Outage	10/31/2020	11:38:00	10/31/2020	23:59:00	12.37	3999	Other miscellaneous balance o	GTG1 Exhaust Expansion joint torn, leaking excessive amounts of gas.		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	59	Planned Outage	10/1/2020	0:00:00	10/5/2020	0:00:00	96	5270	Hot end inspection	32,000 HGPI for GTG.		150
Polk 2	59	Planned Outage	10/1/2020	0:00:00	10/1/2020	0:00:00	0	5270	Hot end inspection	32,000 HGPI for GTG.		150
Polk 2	60	Unplanned (Forced) Outage - Immediate	10/5/2020	0:00:00	10/23/2020	3:31:00	435:52	5080	High pressure shaft	GTG2 Rotor Stage 1 Cooling Slot Crack had to replace unit rotor		150
Polk 2	61	Unplanned (Forced) Outage - Immediate	10/23/2020	18:01:00	10/31/2020	9:32:00	183:52	5079	Other combustor problems	GTG2 had several crossfire tubes cracked an leaking excessive amount of gas. Installed		150
Polk 2	57	Reserve Shutdown	10/31/2020	15:12:00	10/31/2020	16:12:00		1		GTG2 sHUTDOWN to get HRSG aligned for Combined Cycle following Simple Cycle liquid fue		150
Polk 2	58	Reserve Shutdown	10/31/2020	17:49:00	10/31/2020	23:59:00		6.18		GTG2 Available but HRSG2 unavailable due to trash in Boiler Feet Pump Suction Strainer		150

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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	59	Maintenance Derating	10/1/2020	0:00:00	10/5/2020	0:00:00	96	3999	Other miscellaneous balance of plant problems	GTG2 Hot Gas Path Inspection for 32,000 hardware	341.25	461
Polk 2 ST	59	Maintenance Derating	10/1/2020	0:00:00	10/1/2020	0:00:00	0	3999	Other miscellaneous balance of plant problems	GTG2 Hot Gas Path Inspection for 32,000 hardware	341.25	461
Polk 2 ST	60	Unplanned (Forced) Derating - Immediate	10/1/2020	0:00:00	10/1/2020	22:00:00	22	3999	Other miscellaneous balance of plant problems	GTG4 shutdown to work Natural Gas Control Becker Valves for GTG2 & GTG3 gas leak. Isol	341.25	461
Polk 2 ST	61	Unplanned (Forced) Outage - Immediate	10/1/2020	10:27:00	10/2/2020	16:08:00	29.68	3999	Other miscellaneous balance of plant problems	HRSGS Hot Reheat merge valve failed to open causing STG2 to trip.		461
Polk 2 ST	62	Unplanned (Forced) Derating - Immediate	10/1/2020	10:27:00	10/1/2020	22:00:00	11.55	3999	Other miscellaneous balance of plant problems	Maintenance outage on station's natural gas system to repair several regulating and is	221.5	461
Polk 2 ST	63	Unplanned (Forced) Derating - Immediate	10/1/2020	11:14:00	10/1/2020	22:00:00	10.77	3999	Other miscellaneous balance of plant problems	GTG5 shutdown to work Natural Gas Control Becker Valve gas leak. Isolation did not fun	101.75	461
Polk 2 ST	64	Unplanned (Forced) Derating - Immediate	10/1/2020	22:00:00	10/2/2020	14:06:00	16.1	3999	Other miscellaneous balance of plant problems	Maintenance outage on station's natural gas system to repair several regulating and is	221.5	461
Polk 2 ST	65	Unplanned (Forced) Derating - Immediate	10/1/2020	22:00:00	10/2/2020	8:35:00	10.58	3999	Other miscellaneous balance of plant problems	GTG5 shutdown to work Natural Gas Control Becker Valve gas leak. Isolation did not fun	101.75	461
Polk 2 ST	66	Unplanned (Forced) Derating - Immediate	10/1/2020	22:00:00	10/2/2020	8:35:00	10.58	3999	Other miscellaneous balance of plant problems	GTG3 had numerous fit-up issues with new Becker Gas Regulator	1	461
Polk 2 ST	67	Unplanned (Forced) Derating - Immediate	10/2/2020	8:35:00	10/2/2020	14:06:00	5.52	3999	Other miscellaneous balance of plant problems	GTG3 had numerous fit-up issues with new Becker Gas Regulator	1	461
Polk 2 ST	68	Unplanned (Forced) Derating - Immediate	10/2/2020	14:06:00	10/4/2020	17:38:00	51.53	3999	Other miscellaneous balance of plant problems	GTG3 had numerous fit-up issues with new Becker Gas Regulator	221.5	461
Polk 2 ST	69	Unplanned (Forced) Derating - Immediate	10/5/2020	0:00:00	10/23/2020	3:31:00	435.52	3999	Other miscellaneous balance of plant problems	GTG2 Rotor Stage 1 Cooling Slot Crack had to replace unit rotor	341.25	461
Polk 2 ST	70	Unplanned (Forced) Derating - Immediate	10/7/2020	16:09:00	10/9/2020	4:00:00	35.85	3999	Other miscellaneous balance of plant problems	HRSGS Duct Burner Flame Scanner Igniter failed	446	461
Polk 2 ST	71	Unplanned (Forced) Derating - Immediate	10/10/2020	16:00:00	10/13/2020	20:15:00	76.25	3999	Other miscellaneous balance of plant problems	HRSG 5 Various Duct Burner valves stuck	431	461
Polk 2 ST	72	Unplanned (Forced) Derating - Immediate	10/12/2020	4:07:00	10/12/2020	5:16:00	1.15	9300	Transmission system problems other than catas	GTG3 tripped on low lube oil pressure due to significant voltage drop on 230KV line ca	341.25	461
Polk 2 ST	73	Unplanned (Forced) Derating - Immediate	10/18/2020	15:14:00	10/20/2020	16:25:00	49.18	3999	Other miscellaneous balance of plant problems	HRSGS Flame Scanner and/or igniter failed to operate properly.	446	461
Polk 2 ST	74	Unplanned (Forced) Derating - Immediate	10/23/2020	6:01:00	10/31/2020	9:32:00	195.52	3999	Other miscellaneous balance of plant problems	GTG2 had several crossfire tubes cracked an leaking excessive amount of gas. Installed	341.25	461
Polk 2 ST	75	Unplanned (Forced) Derating - Immediate	10/29/2020	20:42:00	10/30/2020	12:56:00	16.23	3999	Other miscellaneous balance of plant problems	GTG4 was operating at 157 MW on gas when the trip occurred.	341.25	461

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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	85	Maintenance Outage	10/1/2020	0:00:00	10/1/2020	22:00:00	22	3899	Other miscellaneous auxiliary s	GTG3 shutdown to work Natural Gas Control Becker Valve gas leak. Isolation did not fun	150	150
Polk 3	86	Unplanned (Forced) Outage - Immediate	10/1/2020	22:00:00	10/4/2020	17:38:00	67.63	5048	Gas fuel system	GTG3 had numerous fit-up issues with new Becker Gas Regulator	150	150
Polk 3	87	Reserve Shutdown	10/9/2020	20:36:00	10/10/2020	11:33:00	14.95			Reserve Shutdown	150	150
Polk 3	88	Unplanned (Forced) Outage - Immediate	10/12/2020	4:07:00	10/12/2020	5:16:00	1.15	9300	Transmission system problems	GTG3 tripped on low lube oil pressure due to significant voltage drop on 230KV line ca	150	150
Polk 3	89	Reserve Shutdown	10/16/2020	20:36:00	10/17/2020	11:26:00	14.83			Reserve Shutdown	150	150
Polk 3	90	Reserve Shutdown	10/19/2020	23:05:00	10/20/2020	6:46:00	7.68			Reserve Shutdown	150	150

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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	76	Maintenance Outage	10/1/2020	0:00:00	10/1/2020	22:00:00	22	3899	Other miscellaneous auxiliary s	GTG4 shutdown to work Natural Gas Control Becker Valves for GTG2 & GTG3 gas leak. Isol	150	150
Polk 4	77	Reserve Shutdown	10/1/2020	22:00:00	10/3/2020	10:59:00	36.98				150	150
Polk 4	78	Reserve Shutdown	10/7/2020	1:19:00	10/7/2020	13:09:00	11.83		Reserve Shutdown		150	150
Polk 4	79	Reserve Shutdown	10/7/2020	20:19:00	10/8/2020	11:45:00	15.43		Reserve Shutdown		150	150
Polk 4	80	Reserve Shutdown	10/11/2020	1:58:00	10/11/2020	12:29:00	10.52		Reserve Shutdown		150	150
Polk 4	81	Reserve Shutdown	10/13/2020	0:43:00	10/13/2020	11:59:00	11.27		Reserve Shutdown		150	150
Polk 4	82	Reserve Shutdown	10/15/2020	22:20:00	10/16/2020	11:48:00	13.47		Reserve Shutdown		150	150
Polk 4	83	Reserve Shutdown	10/18/2020	20:27:00	10/19/2020	11:32:00	15.08		Reserve Shutdown		150	150
Polk 4	84	Reserve Shutdown	10/21/2020	0:39:00	10/21/2020	11:29:00	10.83		Reserve Shutdown		150	150
Polk 4	85	Unplanned (Forced) Outage - Immediate	10/29/2020	20:42:00	10/30/2020	12:56:00	16.23	5250	Controls and instrumentation	GTG4 was operating at 157 MW on gas when the trip occurred. The data and alarm indicat	150	150



Tampa Electric Company  
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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	61	Maintenance Outage	10/1/2020	11:14:00	10/2/2020	8:35:00	21.35	3899	Other miscellaneous auxiliary system	GTG5 shutdown to work Natural Gas Control Becker Valve gas leak. Isolation did not fun		150
Polk 5	62	Reserve Shutdown	10/6/2020	0:13:00	10/6/2020	11:38:00	11.42			Reserve Shutdown		150
Polk 5	63	Reserve Shutdown	10/9/2020	0:57:00	10/9/2020	10:21:00	9.4			Reserve Shutdown		150
Polk 5	64	Reserve Shutdown	10/11/2020	17:00:00	10/12/2020	11:41:00	18.68			Reserve Shutdown		150
Polk 5	65	Reserve Shutdown	10/13/2020	23:18:00	10/15/2020	12:35:00	37.28			Reserve Shutdown		150
Polk 5	66	Reserve Shutdown	10/17/2020	20:41:00	10/18/2020	11:10:00	14.48			Reserve Shutdown		150
Polk 5	67	Reserve Shutdown	10/21/2020	20:21:00	10/31/2020	23:59:00	243.65			Reserve Shutdown		150