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October 26, 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

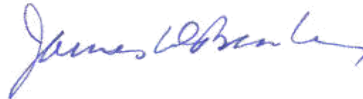
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance
Incentive Factor; FPSC Docket No. 20200001-EI

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 September 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 26th day of October 2020 to the following:

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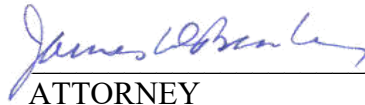
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ATTORNEY

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				91.3
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0				6,575.0
3. Service Hours	SH	739.2	480.7	348.7	717.4	730.6	713.9	681.0	736.9	711.4				5,859.8
4. Reserve Shutdown Hours	RSH	0.0	142.0	10.1	1.7	0.0	0.0	0.0	0.0	0.0				153.8
5. Unavailable Hours	UH	4.8	73.3	384.2	0.9	13.4	6.1	63.0	7.1	8.6				561.4
6. Planned Outage Hours	POH	0.0	57.5	275.0	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				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				96.5
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
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
10a. Partial Forced Outage Hours	PFOH	2.1	0.0	7.6	0.0	16.8	0.0	3.3	10.6	0.9				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				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				49.7
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				79.6
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
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				18,770.9
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				2,519,252.6
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				7,451.0
16. Net Output Factor (%)	NOF	42.1	53.4	50.8	54.6	65.1	57.5	66.3	75.9	60.0				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				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		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				93.5
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0				6,575.0
3. Service Hours	SH	85.2	672.4	742.3	712.7	663.8	709.4	720.5	703.7	715.9				5,725.9
4. Reserve Shutdown Hours	RSH	448.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				448.8
5. Unavailable Hours	UH	210.0	23.6	0.7	7.3	80.2	10.6	23.5	40.3	4.1				400.3
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
7. Forced Outage Hours	FOH	3.5	6.5	0.0	7.3	26.2	3.9	11.1	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				341.7
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
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
10a. Partial Forced Outage Hours	PFOH	4.8	11.2	0.0	14.2	47.9	7.7	21.8	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				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				260.5
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				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
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				25,182.5
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				3,397,503.6
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				7,412.0
16. Net Output Factor (%)	NOF	25.0	49.1	52.2	62.4	53.0	64.5	71.7	68.3	64.1				61.3
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				968.3
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-6.673) + 7,965												

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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				30.1
2. Period Hours	PH	744.0	696.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0				6,576.0
3. Service Hours	SH	629.2	0.0	0.0	0.0	1.4	580.8	738.6	425.2	602.7				2,977.9
4. Reserve Shutdown Hours	RSH	97.3	0.0	0.0	0.0	0.0	0.0	0.0	101.9	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				3,399.1
6. Planned Outage Hours	POH	17.5	696.0	744.0	720.0	659.8	0.0	0.0	0.0	0.0				2,837.3
7. Forced Outage Hours	FOH	0.0	0.0	0.0	0.0	0.0	2.0	5.4	0.0	11.3				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				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
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
10a. Partial Forced Outage Hours	PFOH	509.5	0.0	0.0	0.0	0.0	471.0	738.7	527.0	0.0				2,246.2
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				173.8
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	0.0	138.2	87.0	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				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				380.3
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				7,295.6
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				656,325.0
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				11,115.9
16. Net Output Factor (%)	NOF	85.0	0.0	0.0	0.0	-455.6	52.9	45.3	48.9	53.0				57.7
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				382.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-5.6236) + 11,149												

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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				79.8
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0				6,575.0
3. Service Hours	SH	211.9	120.4	662.4	438.8	206.3	717.9	476.1	216.8	347.4				3,398.0
4. Reserve Shutdown Hours	RSH	516.8	444.0	0.0	44.0	0.0	0.0	174.8	527.3	366.4				2,073.3
5. Unavailable Hours	UH	15.3	131.6	80.6	237.2	537.7	2.1	93.1	0.0	6.2				1,103.8
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
7. Forced Outage Hours	FOH	1.6	10.7	0.0	154.1	537.7	2.1	0.0	0.0	6.2				712.4
8. Maintenance Outage Hours	MOH	13.7	120.9	80.6	83.1	0.0	0.0	93.1	0.0	0.0				391.4
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
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
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	0.0	107.1	0.0	717.9	650.9	566.9	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				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
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				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				209.1
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				4,522.5
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				517,387.0
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				8,741.1
16. Net Output Factor (%)	NOF	59.3	52.7	63.4	60.9	69.0	77.4	68.8	61.1	65.7				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				216.7
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				93.5
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0				6,575.0
3. Service Hours	SH	741.6	675.1	733.0	714.9	709.0	597.6	732.1	736.4	607.0				6,246.7
4. Reserve Shutdown Hours	RSH	0.0	0.0	4.5	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				323.8
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8	101.8				108.6
7. Forced Outage Hours	FOH	0.1	7.7	5.5	0.1	0.0	122.4	0.3	0.8	5.2				142.1
8. Maintenance Outage Hours	MOH	2.3	13.2	0.0	5.0	35.0	0.0	11.6	0.0	6.1				73.2
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
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
10a. Partial Forced Outage Hours	PFOH	9.2	14.3	0.0	33.6	0.4	6.0	43.0	134.5	39.1				280.1
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				146.8
11a. Partial Maintenance Outage Hours	PMOH	0.0	106.6	0.0	15.4	107.7	0.0	35.8	40.0	311.6				617.1
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				123.8
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
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				34,725.4
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				4,964,347.0
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				6,995.0
16. Net Output Factor (%)	NOF	71.3	71.0	75.5	76.2	70.9	78.3	66.1	65.6	49.0				71.8
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				1,107.3
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)	68	Reserve Shutdown	9/9/2020	2:40:00	9/9/2020	15:25:00	12.75			Reserve Shutdown		156
BS CT1(A)	69	Reserve Shutdown	9/19/2020	2:00:00	9/19/2020	11:37:00	9.62			Reserve Shutdown		156
BS CT1(A)	70	Reserve Shutdown	9/21/2020	21:01:00	9/22/2020	13:07:00	16.1			Reserve Shutdown		156
BS CT1(A)	71	Reserve Shutdown	9/28/2020	16:12:00	9/29/2020	12:35:00	20.38			Reserve Shutdown		156
BS CT1(A)	72	Maintenance Outage	9/29/2020	17:38:00	9/30/2020	12:30:00	18.87	3420	Feedwater piping	Feedwater HP discharge line leak repair		156
BS CT1(A)	73	Reserve Shutdown	9/30/2020	12:30:00	9/30/2020	23:59:00	11.5			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)	187	Reserve Shutdown	9/2/2020	2:10:00	9/2/2020	12:21:00	10.18			Reserve Shutdown		156
BS CT1(B)	188	Reserve Shutdown	9/7/2020	2:52:00	9/7/2020	12:03:00	9.18			Reserve Shutdown		156
BS CT1(B)	189	Reserve Shutdown	9/9/2020	19:04:00	9/10/2020	11:58:00	16.9			Reserve Shutdown		156
BS CT1(B)	190	Reserve Shutdown	9/11/2020	0:33:00	9/11/2020	15:32:00	14.98			Reserve Shutdown		156
BS CT1(B)	191	Reserve Shutdown	9/11/2020	20:33:00	9/12/2020	10:19:00	13.77			Reserve Shutdown		156
BS CT1(B)	192	Reserve Shutdown	9/14/2020	2:11:00	9/15/2020	6:07:00	27.93			Reserve Shutdown		156
BS CT1(B)	193	Reserve Shutdown	9/16/2020	20:48:00	9/17/2020	12:12:00	15.4			Reserve Shutdown		156
BS CT1(B)	194	Maintenance Outage	9/20/2020	20:43:00	9/21/2020	13:47:00	17.07	3430	Feedwater regulating (boiler Main feedwater valve 202 leaking through, repair the leak			156
BS CT1(B)	195	Unplanned (Forced) Outage - Immediate	9/21/2020	13:47:00	9/21/2020	15:19:00	1.53	0520	Other main steam valves (ir HP/CR valve 213 will not engage.			156
BS CT1(B)	196	Reserve Shutdown	9/24/2020	2:01:00	9/24/2020	15:12:00	13.18			Reserve Shutdown		156
BS CT1(B)	197	Reserve Shutdown	9/25/2020	21:12:00	9/26/2020	11:36:00	14.4			Reserve Shutdown		156
BS CT1(B)	198	Reserve Shutdown	9/27/2020	4:58:00	9/27/2020	12:58:00	8			Reserve Shutdown		156
BS CT1(B)	199	Reserve Shutdown	9/28/2020	0:54:00	9/29/2020	11:47:00	34.88			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)	200	Reserve Shutdown	9/3/2020	0:17:00	9/3/2020	9:56:00	9.65			Reserve Shutdown		156
BS CT1(C)	201	Reserve Shutdown	9/5/2020	0:28:00	9/5/2020	13:10:00	12.7			Reserve Shutdown		156
BS CT1(C)	202	Reserve Shutdown	9/7/2020	18:23:00	9/8/2020	11:33:00	17.17			Reserve Shutdown		156
BS CT1(C)	203	Reserve Shutdown	9/8/2020	21:38:00	9/9/2020	11:58:00	14.33			Reserve Shutdown		156
BS CT1(C)	204	Reserve Shutdown	9/11/2020	19:01:00	9/16/2020	11:35:00	112.57			Reserve Shutdown		156
BS CT1(C)	205	Unplanned (Forced) Outage - Immediate	9/16/2020	12:09:00	9/16/2020	13:25:00	1.27	0520	Other main steam valves (including vent and	HP Attemperator Valve did not open		156
BS CT1(C)	206	Reserve Shutdown	9/19/2020	0:29:00	9/19/2020	13:52:00	13.38			Reserve Shutdown		156
BS CT1(C)	207	Reserve Shutdown	9/22/2020	9:07:00	9/23/2020	13:17:00	28.17			Reserve Shutdown		156
BS CT1(C)	208	Reserve Shutdown	9/25/2020	0:26:00	9/25/2020	12:22:00	11.93			Reserve Shutdown		156
BS CT1(C)	209	Reserve Shutdown	9/26/2020	0:37:00	9/26/2020	12:54:00	12.28			Reserve Shutdown		156
BS CT1(C)	210	Reserve Shutdown	9/27/2020	18:51:00	9/28/2020	14:46:00	19.92			Reserve Shutdown		156
BS CT1(C)	211	Reserve Shutdown	9/29/2020	15:10:00	9/30/2020	23:59:00	32.83			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	23	Unplanned (Forced) Derating - Immediate	9/16/2020	12:09:00	9/16/2020	13:25:00	1.27	3999	Other miscellaneous balance of plant problems	ST 1 Deratede - 1C HP Attemporator Valve did not open	154	233
BS ST 1	24	Maintenance Derating	9/20/2020	20:43:00	9/21/2020	13:47:00	17.07	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1B Main feedwater valve 202 leaking through, repair the l	154	233
BS ST 1	25	Unplanned (Forced) Derating - Immediate	9/21/2020	13:47:00	9/21/2020	15:19:00	1.53	3999	Other miscellaneous balance of plant problems	ST 1 Derated - 1B HP/CR valve 213 will not engage.	154	233
BS ST 1	26	Maintenance Derating	9/29/2020	17:38:00	9/30/2020	12:30:00	18.87	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1B Feedwater HP discharge line leak repair	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)	38	Reserve Shutdown	9/2/2020	0:41:00	9/2/2020	11:36:00	10.92			Reserve Shutdown		156
BS CT2(A)	39	Reserve Shutdown	9/9/2020	0:34:00	9/9/2020	13:02:00	12.47			Reserve Shutdown		156
BS CT2(A)	40	Reserve Shutdown	9/13/2020	3:28:00	9/14/2020	5:42:00	26.23			Reserve Shutdown		156
BS CT2(A)	41	Reserve Shutdown	9/15/2020	0:27:00	9/16/2020	12:33:00	36.1			Reserve Shutdown		156
BS CT2(A)	42	Reserve Shutdown	9/17/2020	18:26:00	9/18/2020	13:04:00	18.63			Reserve Shutdown		156
BS CT2(A)	43	Reserve Shutdown	9/21/2020	0:58:00	9/21/2020	11:15:00	10.28			Reserve Shutdown		156
BS CT2(A)	44	Reserve Shutdown	9/23/2020	1:00:00	9/24/2020	13:16:00	36.27			Reserve Shutdown		156
BS CT2(A)	45	Reserve Shutdown	9/25/2020	2:18:00	9/25/2020	13:38:00	11.33			Reserve Shutdown		156
BS CT2(A)	46	Reserve Shutdown	9/26/2020	20:58:00	9/27/2020	12:27:00	15.48			Reserve Shutdown		156
BS CT2(A)	47	Reserve Shutdown	9/27/2020	21:21:00	9/28/2020	9:52:00	12.52			Reserve Shutdown		156
BS CT2(A)	48	Reserve Shutdown	9/29/2020	0:54:00	9/29/2020	10:17:00	9.38			Reserve Shutdown		156
BS CT2(A)	49	Reserve Shutdown	9/30/2020	4:51:00	9/30/2020	5:37:00	0.77			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)	86	Reserve Shutdown	9/1/2020	0:00:00	9/1/2020	12:54:00	12.9			Reserve Shutdown		156
BS CT2(B)	87	Reserve Shutdown	9/3/2020	1:45:00	9/3/2020	12:35:00	10.83			Reserve Shutdown		156
BS CT2(B)	88	Reserve Shutdown	9/6/2020	2:34:00	9/6/2020	13:47:00	11.22			Reserve Shutdown		156
BS CT2(B)	89	Reserve Shutdown	9/6/2020	20:39:00	9/7/2020	12:57:00	16.3			Reserve Shutdown		156
BS CT2(B)	90	Reserve Shutdown	9/10/2020	0:21:00	9/10/2020	11:23:00	11.03			Reserve Shutdown		156
BS CT2(B)	91	Reserve Shutdown	9/10/2020	17:38:00	9/11/2020	11:44:00	18.1			Reserve Shutdown		156
BS CT2(B)	92	Reserve Shutdown	9/12/2020	17:29:00	9/15/2020	15:36:00	70.12			Reserve Shutdown		156
BS CT2(B)	93	Reserve Shutdown	9/19/2020	5:20:00	9/19/2020	12:26:00	7.1			Reserve Shutdown		156
BS CT2(B)	94	Reserve Shutdown	9/20/2020	0:43:00	9/20/2020	14:28:00	13.75			Reserve Shutdown		156
BS CT2(B)	95	Reserve Shutdown	9/22/2020	1:46:00	9/22/2020	13:51:00	12.08			Reserve Shutdown		156
BS CT2(B)	96	Reserve Shutdown	9/24/2020	0:27:00	9/25/2020	11:30:00	35.05			Reserve Shutdown		156
BS CT2(B)	97	Reserve Shutdown	9/26/2020	23:59:00	9/27/2020	15:19:00	15.33			Reserve Shutdown		156
BS CT2(B)	98	Reserve Shutdown	9/30/2020	1:23:00	9/30/2020	23:59:00	22.62			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)	79	Maintenance Outage	9/15/2020	23:25:00	9/16/2020	16:33:00	17.13	3430	Feedwater regulating (boiler level control) v	Repair leaking feedwater valves		156
BS CT2(C)	80	Reserve Shutdown	9/19/2020	21:14:00	9/20/2020	13:47:00	16.55			Reserve Shutdown		156
BS CT2(C)	81	Reserve Shutdown	9/22/2020	0:27:00	9/22/2020	7:28:00	7.02			Reserve Shutdown		156
BS CT2(C)	82	Reserve Shutdown	9/22/2020	23:24:00	9/23/2020	6:54:00	7.5			Reserve Shutdown		156
BS CT2(C)	83	Maintenance Outage	9/23/2020	6:54:00	9/23/2020	14:00:00	7.1	5240	Fire detection and extinguishing system	GTE Haz gas probe replacement		156
BS CT2(C)	84	Reserve Shutdown	9/23/2020	14:00:00	9/24/2020	12:21:00	22.35			Reserve Shutdown		156
BS CT2(C)	85	Reserve Shutdown	9/26/2020	2:16:00	9/27/2020	13:54:00	35.63			Reserve Shutdown		156
BS CT2(C)	86	Reserve Shutdown	9/30/2020	0:14:00	9/30/2020	12:25:00	12.18			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)	88	Reserve Shutdown	9/4/2020	3:47:00	9/4/2020	12:30:00	8.72			Reserve Shutdown	156	156
BS CT2(D)	89	Reserve Shutdown	9/6/2020	0:57:00	9/6/2020	12:18:00	11.35			Reserve Shutdown	156	156
BS CT2(D)	90	Reserve Shutdown	9/6/2020	19:05:00	9/7/2020	11:17:00	16.2			Reserve Shutdown	156	156
BS CT2(D)	91	Reserve Shutdown	9/7/2020	23:53:00	9/8/2020	12:48:00	12.92			Reserve Shutdown	156	156
BS CT2(D)	92	Reserve Shutdown	9/10/2020	1:27:00	9/10/2020	13:33:00	12.1			Reserve Shutdown	156	156
BS CT2(D)	93	Reserve Shutdown	9/12/2020	3:07:00	9/13/2020	15:07:00	36			Reserve Shutdown	156	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	24	Maintenance Derating	9/15/2020	23:25:00	9/16/2020	16:33:00	17.13	3999	Other miscellaneous balance of plant problems	Repair leaking feedwater valves	228	305
BS ST 2	25	Maintenance Derating	9/23/2020	6:54:00	9/23/2020	14:00:00	7.1	3999	Other miscellaneous balance of plant problems	ST 2 Derated - 2C GTE Haz gas probe replacement	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	19	Maintenance Outage	9/1/2020	0:00:00	9/5/2020	9:57:00	105.95 3430	Feedwater regulating (boiler level control) v	Boiler Feed pump recirculation valve failed (stuck) in the open position limiting feed			422
Big Bend 4	20	Unplanned (Forced) Derating - Immediate	9/5/2020	9:57:00	9/10/2020	11:40:00	121.72 8270	Scrubber booster F.D. fan (fan specific to th	C Booster fan vibration limitations.		317	422
Big Bend 4	21	Unplanned (Forced) Derating - Delayed	9/10/2020	11:40:00	9/30/2020	23:59:00	492.33 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	22	Unplanned (Forced) Outage - Immediate	9/13/2020	14:31:00	9/13/2020	21:56:00	7.42 3612	Switchyard system protection devices	Cause unknown. Investigation underway.			422
Big Bend 4	23	Unplanned (Forced) Outage - Immediate	9/15/2020	5:28:00	9/15/2020	9:21:00	3.88 4265	Miscellaneous drain and vent valves	ADV (air operated valve) 770 was inadvertently opened during troubleshooting, causing			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	28	Reserve Shutdown	9/1/2020	0:00:00	9/2/2020	6:00:00	30			Reserve Shutdown		152
Polk 1	29	Startup Failure	9/2/2020	6:00:00	9/2/2020	9:05:00	3.08	5160	Cooling and seal air system	Compressor Bleed Valves failed est, found fuse blown for their solenoids		152
Polk 1	30	Unplanned (Forced) Outage - Immediate	9/2/2020	9:06:00	9/2/2020	11:36:00	2.5	5250	Controls and instrumentation	CT-1 tripped on Over Temperature due to failure of TC's 5 and 8. TC 8 Spiked high and		152
Polk 1	31	Unplanned (Forced) Outage - Immediate	9/2/2020	11:50:00	9/2/2020	14:26:00	2.6	5250	Controls and instrumentation	CT-1 tripped due to failure of TC's 6 and 7.		152
Polk 1	32	Reserve Shutdown	9/17/2020	1:39:00	9/30/2020	23:59:00	334.35			Reserve Shutdown		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	26	Reserve Shutdown	9/1/2020	0:00:00	9/2/2020	16:29:00	40.48		Reserve Shutdown			50
Polk 1 ST	27	Reserve Shutdown	9/17/2020	1:27:00	9/30/2020	23:59:00	334.55		Reserve Shutdown			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	54	Planned Outage	9/1/2020	0:00:00	9/30/2020	23:59:00	720	5270	Hot end inspection	32,000 HGPI for GTG.		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	46	Maintenance Derating	9/1/2020	0:00:00	9/30/2020	23:59:00	720 3999	Other miscellaneous balance of plant problems	GTG2 Hot Gas Path Inspection for 32,000 hardware		341.25	461
Polk 2 ST	47	Unplanned (Forced) Derating - Immediate	9/2/2020	23:15:00	9/4/2020	6:30:00	31.25 3999	Other miscellaneous balance of plant problems	SFGBV644 failed to shut when duct burner shutdown following service, Duct Burners are		431	461
Polk 2 ST	48	Maintenance Derating	9/7/2020	14:00:00	9/8/2020	14:27:00	24.45 3999	Other miscellaneous balance of plant problems	GTG3 Liquid fuel system check valves plugged. MO to clean lines		341.25	461
Polk 2 ST	49	Unplanned (Forced) Derating - Immediate	9/13/2020	21:05:00	9/14/2020	5:43:00	8.63 3999	Other miscellaneous balance of plant problems	HRSG4 4FGBV642 failed to shut when duct burner shutdown following service, Duct Burner		431	461
Polk 2 ST	50	Unplanned (Forced) Derating - Immediate	9/14/2020	19:06:00	9/15/2020	2:15:00	7.15 3999	Other miscellaneous balance of plant problems	SFGBV644 failed to shut when duct burner shutdown following service, Duct Burners are		431	461
Polk 2 ST	51	Unplanned (Forced) Derating - Immediate	9/21/2020	16:00:00	9/21/2020	23:35:00	7.58 3999	Other miscellaneous balance of plant problems	SFGBV644 failed to shut when duct burner shutdown following service, Duct Burners are		431	461
Polk 2 ST	52	Unplanned (Forced) Outage - Immediate	9/22/2020	13:09:00	9/22/2020	15:54:00	2.75 3999	Other miscellaneous balance of plant problems	HRSG3 IP Drum reached High High High level causing the diverter damper to go to Simple			461
Polk 2 ST	53	Unplanned (Forced) Derating - Immediate	9/22/2020	13:13:00	9/22/2020	17:28:00	4.25 3999	Other miscellaneous balance of plant problems	HRSG3 IP Drum level excursion as a result to STG2 tripping, Damper rolled on IP drum I		341.25	461
Polk 2 ST	54	Unplanned (Forced) Derating - Immediate	9/22/2020	13:14:00	9/22/2020	14:04:00	0.83 3999	Other miscellaneous balance of plant problems	GTG4 was shutdown as a result to HRSG4 Superheat Attemperator Spray Control Valve logi		341.25	461
Polk 2 ST	55	Unplanned (Forced) Derating - Immediate	9/22/2020	13:17:00	9/22/2020	14:04:00	0.78 3999	Other miscellaneous balance of plant problems	GTG5 tripped due to low level in HRSG5 drums due to excursion.		221.5	461
Polk 2 ST	56	Unplanned (Forced) Derating - Immediate	9/22/2020	14:04:00	9/22/2020	15:08:00	1.07 3999	Other miscellaneous balance of plant problems	GTG5 tripped due to low level in HRSG5 drums due to excursion.		221.5	461
Polk 2 ST	57	Unplanned (Forced) Derating - Immediate	9/25/2020	3:51:00	9/26/2020	3:41:00	23.83 3999	Other miscellaneous balance of plant problems	GTG3 CO2 Compressor failed. Safety lifted venting CO2 to low level. Unable to get CO2		341.25	461
Polk 2 ST	58	Unplanned (Forced) Derating - Immediate	9/26/2020	5:07:00	9/26/2020	15:08:00	10.02 3999	Other miscellaneous balance of plant problems	HRSG5 SFGBV644 failed to shut when duct burner shutdown following service, Duct Burner		431	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	71	Reserve Shutdown	9/4/2020	0:32:00	9/4/2020	9:30:00	8.97			Reserve Shutdown		150
Polk 3	72	Reserve Shutdown	9/4/2020	9:38:00	9/4/2020	10:42:00	1.07			Reserve Shutdown following unsuccessful Liquid Fuel test run		150
Polk 3	73	Reserve Shutdown	9/7/2020	0:31:00	9/7/2020	14:00:00	13.48			Reserve Shutdown		150
Polk 3	74	Maintenance Outage	9/7/2020	14:00:00	9/8/2020	14:27:00	24.45	5041	Fuel piping and valves	GTG3 Liquid fuel system check valves plugged. MO to clean lines		150
Polk 3	75	Reserve Shutdown	9/8/2020	14:37:00	9/8/2020	15:26:00	0.82			Reserve Shutdown		150
Polk 3	76	Maintenance Outage	9/8/2020	15:35:00	9/9/2020	10:05:00	18.5	5041	Fuel piping and valves	Several check valves and and lines associated with liquid fuel purge.		150
Polk 3	77	Reserve Shutdown	9/9/2020	10:37:00	9/9/2020	11:41:00	1.07			Reserve Shutdown		150
Polk 3	78	Reserve Shutdown	9/19/2020	0:15:00	9/19/2020	11:12:00	10.95			Reserve Shutdown		150
Polk 3	79	Unplanned (Forced) Outage - Immediate	9/22/2020	16:21:00	9/22/2020	17:53:00	1.53	1700	Feedwater controls (report cor	Shutdown to restart following HRSG3 Damper rolled on IP Drum High High High Level.		150
Polk 3	80	Reserve Shutdown	9/25/2020	0:16:00	9/25/2020	3:51:00	3.58			Reserve Shutdown		150
Polk 3	81	Unplanned (Forced) Outage - Immediate	9/25/2020	3:51:00	9/26/2020	3:41:00	23.83	5240	Fire detection and extinguishin	Compressor failed. Safety lifted venting CO2 to low level. Unable to get CO2 in a time		150
Polk 3	82	Reserve Shutdown	9/26/2020	3:41:00	9/26/2020	10:58:00	7.28					150
Polk 3	83	Reserve Shutdown	9/28/2020	22:43:00	9/29/2020	13:39:00	14.93			Reserve Shutdown		150
Polk 3	84	Reserve Shutdown	9/30/2020	19:17:00	9/30/2020	23:59:00	4.72			Reserve Shutdown		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	66	Reserve Shutdown	9/5/2020	2:05:00	9/5/2020	11:04:00	8.98			Reserve Shutdown	150	150
Polk 4	67	Reserve Shutdown	9/9/2020	17:35:00	9/10/2020	10:39:00	17.07			Reserve Shutdown	150	150
Polk 4	68	Reserve Shutdown	9/12/2020	1:28:00	9/12/2020	13:19:00	11.85			Reserve Shutdown	150	150
Polk 4	69	Reserve Shutdown	9/20/2020	2:06:00	9/20/2020	10:00:00	7.9			Reserve Shutdown	150	150
Polk 4	70	Reserve Shutdown	9/20/2020	13:58:00	9/22/2020	11:39:00	45.68			Reserve Shutdown	150	150
Polk 4	71	Unplanned (Forced) Outage - Immediate	9/22/2020	13:14:00	9/22/2020	14:04:00	0.83	1700	Feedwater controls (report con	GTG4 was shutdown as a result to HRSG4 Superheat Attemperator Spray Control Valve logi	150	150
Polk 4	72	Reserve Shutdown	9/22/2020	20:52:00	9/23/2020	12:18:00	15.43			Reserve Shutdown	150	150
Polk 4	73	Reserve Shutdown	9/27/2020	1:42:00	9/27/2020	11:29:00	9.78			Reserve Shutdown	150	150
Polk 4	74	Reserve Shutdown	9/29/2020	9:24:00	9/29/2020	11:47:00	2.38			Reserve Shutdown	150	150
Polk 4	75	Reserve Shutdown	9/30/2020	6:01:00	9/30/2020	23:59:00	17.98			Reserve Shutdown	150	150

Tampa Electric Company
 Outage Listing
 September 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Polk 5	50	Reserve Shutdown	9/1/2020	0:00:00	9/1/2020	11:50:00	11.83			Reserve Shutdown		150
Polk 5	51	Reserve Shutdown	9/5/2020	22:52:00	9/6/2020	11:24:00	12.53			Reserve Shutdown		150
Polk 5	52	Reserve Shutdown	9/10/2020	19:06:00	9/11/2020	11:13:00	16.12			Reserve Shutdown		150
Polk 5	53	Reserve Shutdown	9/12/2020	15:55:00	9/14/2020	11:08:00	43.22			Reserve Shutdown		150
Polk 5	54	Reserve Shutdown	9/18/2020	0:21:00	9/18/2020	12:06:00	11.75			Reserve Shutdown		150
Polk 5	55	Unplanned (Forced) Outage - Immediate	9/22/2020	13:17:00	9/22/2020	15:08:00	1.85	1700	Feedwater controls (report controls fr	GTGS tripped due to low level in HRSGS drums due to excursion.		150
Polk 5	56	Reserve Shutdown	9/23/2020	22:30:00	9/24/2020	10:34:00	12.07			Reserve Shutdown		150
Polk 5	57	Reserve Shutdown	9/27/2020	17:59:00	9/28/2020	13:28:00	19.48			Reserve Shutdown		150
Polk 5	58	Reserve Shutdown	9/29/2020	19:59:00	9/30/2020	17:19:00	21.33			Reserve Shutdown		150