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December 22, 2023

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. 20230001-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 November 2023.

Thank you for your assistance in connection with this matter.

Sincerely,

A handwritten signature in blue ink that reads 'Malcolm N. Means'.

Malcolm N. Means

MNM/bml
Attachment

cc: All parties of record (w/attachment)
Suzanne Brownless (w/Excel)

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 22nd day of December 2023 to the following:

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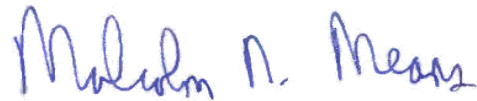
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ATTORNEY

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2023 - DECEMBER 2023

PLANT/UNIT		MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BAYSIDE 1		Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	2023
1. Equivalent Availability Factor (%)	EAF	98.7	100.0	65.0	99.9	89.3	100.0	99.6	99.4	57.0	99.5	83.8		90.2
2. Period Hours	PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	720.0		8,015.0
3. Service Hours	SH	744.0	672.0	577.4	720.0	744.0	720.0	744.0	744.0	396.3	744.0	595.3		7,401.0
4. Reserve Shutdown Hours	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.1	0.0	8.3		22.4
5. Unavailable Hours	UH	6.3	0.1	224.2	0.7	52.8	0.0	3.0	3.3	309.6	3.6	116.4		720.0
6. Planned Outage Hours	POH	6.3	0.0	219.2	0.0	0.0	0.0	0.0	0.0	301.1	0.0	115.3		641.9
7. Forced Outage Hours	FOH	0.1	0.1	5.0	0.7	10.3	0.0	0.0	3.3	8.5	3.6	1.1		32.7
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	0.0	42.5	0.0	3.0	0.0	0.0	0.0	0.0		45.5
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	349.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		349.9
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	79.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		79.0
10a. Partial Forced Outage Hours	PFOH	0.4	0.4	7.0	3.3	46.5	0.0	0.0	14.7	0.0	0.0	0.0		72.3
10b. Load Reduction Partial Forced (MW)	LRPF	19.2	79.0	78.8	79.1	79.0	0.0	0.0	77.8	0.0	0.0	0.0		78.4
11a. Partial Maintenance Outage Hours	PMOH	27.1	0.0	0.0	0.0	190.8	0.0	0.0	0.0	0.0	0.0	0.0		217.9
11b. Load Reduction Partial Maintenance (MW)	LRPM	90.0	0.0	0.0	0.0	79.0	0.0	0.0	0.0	0.0	0.0	0.0		80.4
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
13. Operating British Thermal Units (GBTU)	OPR BTU	1,896.6	1,436.5	1,691.7	2,416.0	2,140.5	2,207.4	2,318.2	2,428.0	1,443.4	2,096.7	1,457.6		21,532.4
14. Net Generation (MWH)	NETGEN	257,227.1	192,854.6	225,266.3	328,968.2	292,369.4	298,990.7	313,289.2	329,365.0	195,082.8	279,875.0	187,335.0		2,900,623.3
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,373.0	7,449.0	7,510.0	7,344.0	7,321.0	7,383.0	7,399.0	7,372.0	7,399.0	7,492.0	7,840.0		7,423.4
16. Net Output Factor (%)	NOF	43.7	36.2	49.3	65.2	56.1	59.2	56.2	59.1	65.7	50.2	42.0		52.4
17. Net Period Continuous Rating (MW)	NPC	792.0	792.0	792.0	701.0	701.0	701.0	749.0	749.0	749.0	749.0	749.0		747.6
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-3.808) + 7,647												

Note: Period hours may not match the Service, RS or Unavailable hours due to the individual component hours of the Combined Cycle unit.

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2023 - DECEMBER 2023

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 2		Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	2023
1. Equivalent Availability Factor (%)	EAF	78.3	100.0	97.3	99.2	98.2	100.0	99.3	98.4	94.3	0.0	35.8		81.7
2. Period Hours	PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	720.0		8,015.0
3. Service Hours	SH	0.0	134.9	743.0	720.0	744.0	720.0	744.0	744.0	693.6	0.0	142.0		5,385.5
4. Reserve Shutdown Hours	RSH	582.9	537.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	117.8		1,237.8
5. Unavailable Hours	UH	161.1	0.0	13.9	3.8	9.2	0.0	5.2	7.9	34.3	744.0	460.2		1,439.6
6. Planned Outage Hours	POH	130.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.0	744.0	431.7		1,325.9
7. Forced Outage Hours	FOH	30.9	0.0	7.8	0.0	0.0	0.0	0.0	0.0	14.3	0.0	4.5		57.5
8. Maintenance Outage Hours	MOH	0.0	0.0	6.1	3.8	9.2	0.0	5.2	7.9	0.0	0.0	24.0		56.2
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	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
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	42.7	0.0	0.0	0.0	0.0	0.0	85.1	0.0	13.4		141.2
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	80.3	0.0	0.0	0.0	0.0	0.0	76.0	0.0	152.6		84.6
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	34.9	22.9	55.0	0.0	0.0	46.9	0.0	0.0	0.0		159.6
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	77.0	77.0	77.0	0.0	0.0	77.0	0.0	0.0	0.0		77.0
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
13. Operating British Thermal Units (GBTU)	OPR BTU	0.0	306.4	3,035.7	2,924.5	2,834.6	2,628.3	2,532.8	2,899.6	3,234.2	0.1	542.2		20,938.3
14. Net Generation (MWH)	NETGEN	-1,293.0	37,457.0	410,346.7	390,191.0	378,962.5	352,539.0	337,033.0	386,336.0	435,857.3	0.0	63,677.0		2,791,106.5
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	0.0	8,179.0	7,398.0	7,495.0	7,480.0	7,455.0	7,515.0	7,506.0	7,420.0	0.0	8,546.0		7,501.8
16. Net Output Factor (%)	NOF	0.0	26.5	52.8	58.3	54.8	52.7	48.8	55.9	67.7	0.0	48.3		53.9
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		961.2
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-21.057) + 8,699												

Note: Period hours may not match the Service, RS or Unavailable hours due to the individual component hours of the Combined Cycle unit.

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2023 - DECEMBER 2023

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	
BIG BEND 4		Jan-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	2023
1. Equivalent Availability Factor (%)	EAF	72.7	96.7	84.8	22.4	0.0	0.0	75.8	51.9	46.5	34.0	67.3		50.0
2. Period Hours	PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	720.0		8,015.0
3. Service Hours	SH	86.1	338.3	704.3	169.6	0.0	0.0	600.2	540.9	447.3	415.6	498.8		3,801.1
4. Reserve Shutdown Hours	RSH	473.0	311.5	1.0	0.0	0.0	0.0	0.0	0.0	26.8	0.0	0.0		812.3
5. Unavailable Hours	UH	185.0	22.2	38.7	550.5	744.0	720.0	143.8	203.1	245.9	328.4	222.2		3,403.8
6. Planned Outage Hours	POH	0.0	0.0	0.0	550.5	744.0	682.1	0.0	0.0	0.0	320.7	120.9		2,418.2
7. Forced Outage Hours	FOH	0.0	22.2	38.7	0.0	0.0	37.9	71.7	0.0	113.2	7.7	1.8		293.2
8. Maintenance Outage Hours	MOH	185.0	0.0	0.0	0.0	0.0	0.0	72.1	203.1	132.8	0.0	99.6		692.6
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
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
10a. Partial Forced Outage Hours	PFOH	86.1	0.0	334.3	169.6	0.0	0.0	0.0	398.5	454.7	695.3	94.1		2,232.6
10b. Load Reduction Partial Forced (MW)	LRPF	90.0	0.0	96.3	20.0	0.0	0.0	0.0	164.0	129.4	98.7	57.7		108.2
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	0.0	0.0	190.8	0.0	0.0	0.0	0.0		190.8
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	0.0	0.0	80.0	0.0	0.0	0.0	0.0		80.0
12. Net Summer Continuous Rating (MW)	NSC	422.0	422.0	422.0	422.0	422.0	422.0	422.0	422.0	422.0	422.0	422.0		422.0
13. Operating British Thermal Units (GBTU)	OPR BTU	246.7	763.3	2,009.9	487.9	0.0	0.0	1,392.4	1,313.6	1,266.7	948.7	1,388.0		9,817.1
14. Net Generation (MWH)	NETGEN	23,309.0	66,583.0	178,048.0	42,597.0	0.0	0.0	116,615.0	121,341.0	116,303.0	85,008.0	135,768.4		885,572.4
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	10,583.0	11,464.0	11,288.0	11,455.0	0.0	0.0	11,940.0	10,826.0	10,891.0	11,160.0	10,223.0		11,085.6
16. Net Output Factor (%)	NOF	62.7	45.6	58.5	59.5	0.0	0.0	46.0	53.2	61.6	48.5	64.5		54.9
17. Net Period Continuous Rating (MW)	NPC	432.0	432.0	432.0	422.0	422.0	422.0	422.0	422.0	422.0	422.0	422.0		424.7
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-25.146) + 12,463												



ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2023 - DECEMBER 2023

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-23	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	2023
1. Equivalent Availability Factor (%)	EAF	86.4	99.7	72.1	88.9	97.3	93.6	99.1	98.9	73.8	98.3	97.5		91.4
2. Period Hours	PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0	744.0	720.0	744.0	720.0		8,015.0
3. Service Hours	SH	663.1	672.0	517.2	720.0	744.0	720.0	739.1	744.0	456.1	744.0	694.3		7,413.8
4. Reserve Shutdown Hours	RSH	0.0	0.0	45.1	0.0	0.0	0.0	0.7	0.0	82.5	0.0	10.0		138.3
5. Unavailable Hours	UH	94.3	0.0	181.7	44.5	11.4	25.8	4.2	4.4	181.4	5.5	15.7		568.9
6. Planned Outage Hours	POH	25.9	0.0	180.4	25.5	0.0	0.0	0.0	0.3	155.7	0.0	0.0		387.8
7. Forced Outage Hours	FOH	43.7	0.0	0.0	4.1	8.7	0.0	2.1	4.1	25.7	2.4	4.1		94.9
8. Maintenance Outage Hours	MOH	24.7	0.0	1.4	14.9	2.7	25.8	2.1	0.0	0.0	3.2	11.6		86.4
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	235.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		235.1
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0	127.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0		127.0
10a. Partial Forced Outage Hours	PFOH	108.7	22.5	2.4	29.8	54.3	3.3	10.5	32.2	64.0	38.2	23.3		389.2
10b. Load Reduction Partial Forced (MW)	LRPF	75.0	114.9	138.8	120.0	134.6	115.6	119.2	119.3	119.3	123.8	119.8		109.4
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	278.0	19.3	182.6	14.9	0.0	0.0	22.6	0.0		517.3
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	123.5	115.3	115.3	119.4	0.0	0.0	119.8	0.0		120.0
12. Net Summer Continuous Rating (MW)	NSC	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	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	3,082.0	2,811.1	2,790.7	3,957.5	4,280.2	3,871.9	4,061.3	4,065.4	2,142.0	3,536.3	2,985.0		37,583.3
14. Net Generation (MWH)	NETGEN	426,079.0	395,062.0	376,172.0	557,049.0	634,275.0	552,932.0	574,417.0	574,036.0	280,259.0	498,480.0	414,442.0		5,283,203.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,233.0	7,116.0	7,419.0	7,104.0	6,758.0	7,002.0	7,070.0	7,082.0	7,643.0	7,094.0	7,202.0		7,113.7
16. Net Output Factor (%)	NOF	53.6	49.0	60.6	72.9	80.4	72.4	73.3	72.7	57.9	63.2	56.3		64.8
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	1,061.0	1,061.0		1,098.9
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-9.479) + 7,720												

Note: Period hours may not match the Service, RS or Unavailable hours due to the individual component hours of the Combined Cycle unit.

Tampa Electric Company
 Outage Listing
 November 2023

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)	195	Reserve Shutdown	11/1/2023	0:00:00	11/2/2023	6:35:00	30.58			Reserve Shutdown		168
BS CT1(A)	196	Reserve Shutdown	11/3/2023	10:58:00	11/5/2023	14:59:00	53.02			Reserve Shutdown		168
BS CT1(A)	197	Unplanned (Forced) Outage - Immediate	11/5/2023	15:37:00	11/5/2023	16:19:00	0.7	0800	Drums and drum interr	1A CT trip on high steam temperature		168
BS CT1(A)	198	Reserve Shutdown	11/5/2023	23:10:00	11/8/2023	0:49:00	49.65			Reserve Shutdown		168
BS CT1(A)	199	Planned Outage	11/8/2023	0:49:00	11/12/2023	20:08:00	115.32			Fall 2023 Combined Outage Gas piping maintenance		168
BS CT1(A)	200	Reserve Shutdown	11/12/2023	20:08:00	11/13/2023	18:23:00	22.25					168
BS CT1(A)	201	Reserve Shutdown	11/14/2023	19:49:00	11/16/2023	7:05:00	35.27			Reserve Shutdown		168
BS CT1(A)	202	Reserve Shutdown	11/17/2023	0:25:00	11/17/2023	11:00:00	10.58			Reserve Shutdown		168
BS CT1(A)	203	Reserve Shutdown	11/18/2023	21:51:00	11/20/2023	15:12:00	41.35			Reserve Shutdown		168
BS CT1(A)	204	Reserve Shutdown	11/23/2023	0:49:00	11/24/2023	15:05:00	38.27			Reserve Shutdown		168
BS CT1(A)	205	Reserve Shutdown	11/29/2023	8:52:00	11/29/2023	16:07:00	7.25			Reserve Shutdown		168
BS CT1(A)	179	Reserve Shutdown	11/29/2023	23:16:00	11/30/2023	15:18:00	16.03			Reserve Shutdown		168

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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)	123	Reserve Shutdown	11/7/2023	22:33:00	11/8/2023	0:49:00	2.27			Reserve Shutdown		168
BS CT1(B)	124	Planned Outage	11/8/2023	0:49:00	11/12/2023	20:08:00	115.32			Fall 2023 Combined Outage Gas piping maintenance		168
BS CT1(B)	125	Reserve Shutdown	11/12/2023	20:08:00	11/13/2023	3:41:00	7.55					168
BS CT1(B)	126	Reserve Shutdown	11/14/2023	1:09:00	11/14/2023	11:51:00	10.7			Reserve Shutdown		168
BS CT1(B)	127	Reserve Shutdown	11/15/2023	21:46:00	11/16/2023	14:58:00	17.2			Reserve Shutdown		168
BS CT1(B)	128	Reserve Shutdown	11/18/2023	11:24:00	11/19/2023	12:55:00	25.52			Reserve Shutdown		168
BS CT1(B)	129	Reserve Shutdown	11/19/2023	18:45:00	11/20/2023	15:50:00	21.08			Reserve Shutdown		168
BS CT1(B)	130	Reserve Shutdown	11/21/2023	1:29:00	11/23/2023	16:16:00	62.78			Reserve Shutdown		168
BS CT1(B)	131	Reserve Shutdown	11/23/2023	19:41:00	11/25/2023	14:42:00	43.02			Reserve Shutdown		168
BS CT1(B)	132	Reserve Shutdown	11/25/2023	22:32:00	11/26/2023	12:24:00	13.87			Reserve Shutdown		168
BS CT1(B)	133	Reserve Shutdown	11/27/2023	23:11:00	11/28/2023	12:14:00	13.05			Reserve Shutdown		168
BS CT1(B)	108	Reserve Shutdown	11/30/2023	22:43:00	11/30/2023	23:59:00	1.28			Reserve Shutdown		168

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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)	209	Reserve Shutdown	11/3/2023	0:07:00	11/4/2023	13:59:00	37.87			Reserve Shutdown	168	168
BS CT1(C)	210	Reserve Shutdown	11/4/2023	22:22:00	11/6/2023	15:55:00	42.55			Reserve Shutdown	168	168
BS CT1(C)	211	Reserve Shutdown	11/7/2023	8:12:00	11/7/2023	15:22:00	7.17			Reserve Shutdown	168	168
BS CT1(C)	212	Reserve Shutdown	11/7/2023	21:04:00	11/8/2023	0:49:00	3.75			Reserve Shutdown	168	168
BS CT1(C)	213	Planned Outage	11/8/2023	0:49:00	11/12/2023	20:08:00	115.32			Fall 2023 Combined Outage Gas piping maintenance	168	168
BS CT1(C)	214	Unplanned (Forced) Outage - Immedial	11/13/2023	2:49:00	11/13/2023	4:30:00	1.68	5250	Other controls and instrumentation problems	Unit 1C tripped. Later determined that incorrect tuning constants were uploaded	168	168
BS CT1(C)	215	Reserve Shutdown	11/13/2023	4:30:00	11/13/2023	9:30:00	5			Reserve Shutdown	168	168
BS CT1(C)	216	Reserve Shutdown	11/13/2023	9:47:00	11/14/2023	10:13:00	24.43			Reserve Shutdown	168	168
BS CT1(C)	217	Reserve Shutdown	11/14/2023	11:13:00	11/15/2023	5:29:00	18.27			Reserve Shutdown	168	168
BS CT1(C)	218	Reserve Shutdown	11/16/2023	19:47:00	11/17/2023	8:35:00	12.8			Reserve Shutdown	168	168
BS CT1(C)	219	Reserve Shutdown	11/17/2023	23:01:00	11/18/2023	15:23:00	16.37			Reserve Shutdown	168	168
BS CT1(C)	220	Reserve Shutdown	11/20/2023	22:14:00	11/22/2023	12:57:00	38.72			Reserve Shutdown	168	168
BS CT1(C)	221	Reserve Shutdown	11/24/2023	20:53:00	11/27/2023	16:20:00	67.45			Reserve Shutdown	168	168
BS CT1(C)	192	Reserve Shutdown	11/30/2023	9:14:00	11/30/2023	23:59:00	14.77			Reserve Shutdown	168	168

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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	33	Reserve Shutdown	11/7/2023	22:31:00	11/8/2023	0:49:00	2.3			Reserve Shutdown		245
BS ST 1	34	Planned Outage	11/8/2023	0:49:00	11/12/2023	20:08:00	115.32	3999	Other miscellaneous balance of plant problem	Fall 2023 Combined Outage Gas piping maintenance		245
BS ST 1	35	Reserve Shutdown	11/12/2023	20:08:00	11/13/2023	2:35:00	6.45					245
BS ST 1	36	Unplanned (Forced) Outage - Immediate	11/13/2023	2:49:00	11/13/2023	4:29:00	1.67	3999	Other miscellaneous balance of plant problem	Unit 1C tripped due to incorrect tuning constants on CT		245

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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)	92	Planned Outage	11/1/2023	0:00:00	11/15/2023	13:08:00	350.13	5250	Other controls and inst Unit 2A Fall 2023 Planned Outage	Note: The CTs are getting controls upgrades.		156
BS CT2(A)	92	Planned Outage	11/1/2023	0:00:00	11/1/2023	0:00:00	0	5250	Other controls and inst Unit 2A Fall 2023 Planned Outage	Note: The CTs are getting controls upgrades.		156
BS CT2(A)	93	Planned Outage	11/15/2023	13:37:00	11/19/2023	4:15:00	86.63	5250	Other controls and inst Unit 2A Fall 2023 Planned Outage	Note: The CTs are getting controls upgrades. Testing		156
BS CT2(A)	94	Reserve Shutdown	11/19/2023	4:15:00	11/19/2023	12:43:00	8.47					156
BS CT2(A)	95	Reserve Shutdown	11/20/2023	19:33:00	11/21/2023	10:30:00	14.95			Reserve Shutdown		156
BS CT2(A)	96	Reserve Shutdown	11/21/2023	16:57:00	11/27/2023	0:00:00	127.05			Reserve Shutdown		156
BS CT2(A)	97	Maintenance Outage	11/27/2023	0:00:00	11/28/2023	0:00:00	24	3999	Other miscellaneous bs 24 hr maintenance to repair leak on ST flash tank			156
BS CT2(A)	98	Reserve Shutdown	11/28/2023	0:00:00	11/28/2023	17:35:00	17.58					156
BS CT2(A)	80	Reserve Shutdown	11/30/2023	8:33:00	11/30/2023	23:59:00	15.45			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)	117	Planned Outage	11/1/2023	0:00:00	11/15/2023	15:19:00	352.32	5250	Other controls and instr Unit 2B Fall 2023 Planned Outage	Note: The CTs are getting controls upgrades.	156	156
BS CT2(B)	117	Planned Outage	11/1/2023	0:00:00	11/1/2023	0:00:00	0	5250	Other controls and instr Unit 2B Fall 2023 Planned Outage	Note: The CTs are getting controls upgrades.	156	156
BS CT2(B)	118	Reserve Shutdown	11/15/2023	15:36:00	11/15/2023	15:48:00	0.2				156	156
BS CT2(B)	119	Planned Outage	11/15/2023	16:15:00	11/19/2023	4:15:00	84	5250	Other controls and instr Unit 2B Fall 2023 Planned Outage.	Unit was performing testing. Note: The CTs are	156	156
BS CT2(B)	120	Reserve Shutdown	11/19/2023	4:15:00	11/20/2023	11:23:00	31.13			Reserve Shutdown	156	156
BS CT2(B)	121	Reserve Shutdown	11/21/2023	19:26:00	11/27/2023	0:00:00	124.57			Reserve Shutdown	156	156
BS CT2(B)	122	Maintenance Outage	11/27/2023	0:00:00	11/28/2023	0:00:00	24	3999	Other miscellaneous ba	24 hr maintenance outage for leak on ST flash tank	156	156
BS CT2(B)	123	Reserve Shutdown	11/28/2023	0:00:00	11/28/2023	14:07:00	14.12				156	156
BS CT2(B)	105	Reserve Shutdown	11/30/2023	8:16:00	11/30/2023	23:59:00	15.73			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 CT2(C)	117	Planned Outage	11/1/2023	0:00:00	11/16/2023	16:13:00	377.22	5250	Other controls and instrument Unit 2C Fall 2023 Planned Outage	Note: The CTs are getting controls upgrades.	156	156
BS CT2(C)	117	Planned Outage	11/1/2023	0:00:00	11/1/2023	0:00:00	0	5250	Other controls and instrument Unit 2C Fall 2023 Planned Outage	Note: The CTs are getting controls upgrades.	156	156
BS CT2(C)	118	Planned Outage	11/16/2023	16:49:00	11/17/2023	10:46:00	17.95	5250	Other controls and instrument Unit 2C Fall 2023 Planned Outage.	Unit was testingNote: The CTs are getting controls	156	156
BS CT2(C)	119	Planned Outage	11/17/2023	14:31:00	11/18/2023	16:04:00	25.55	5250	Other controls and instrument Unit 2C Fall 2023 Planned Outage.	Unit is testingNote: The CTs are getting controls	156	156
BS CT2(C)	120	Planned Outage	11/18/2023	20:36:00	11/19/2023	4:15:00	7.65	5250	Other controls and instrument Unit 2C Fall 2023 Planned Outage.	Unit is testingNote: The CTs are getting controls	156	156
BS CT2(C)	121	Reserve Shutdown	11/19/2023	4:15:00	11/19/2023	6:16:00	2.02		Reserve Shutdown		156	156
BS CT2(C)	122	Unplanned (Forced)	11/20/2023	15:20:00	11/21/2023	4:30:00	13.17	0540	Hot reheat steam piping up to HRH attemperator blown gasket		156	156
BS CT2(C)	123	Reserve Shutdown	11/21/2023	4:30:00	11/21/2023	17:45:00	13.25		Reserve Shutdown		156	156
BS CT2(C)	124	Reserve Shutdown	11/22/2023	17:16:00	11/27/2023	0:00:00	102.73		Reserve Shutdown		156	156
BS CT2(C)	125	Maintenance Outage	11/27/2023	0:00:00	11/28/2023	0:00:00	24	3999	Other miscellaneous balance c 24 hr maintenance outage for ST flash tank leak		156	156
BS CT2(C)	126	Reserve Shutdown	11/28/2023	0:00:00	11/28/2023	5:19:00	5.32		Reserve Shutdown		156	156
BS CT2(C)	127	Reserve Shutdown	11/29/2023	9:30:00	11/29/2023	16:55:00	7.42		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 CT2(D)	133	Planned Outage	11/1/2023	0:00:00	11/15/2023	10:49:00	347.82	5250	Other controls and instr Unit 2D Fall 2023	Planned Outage	156	156
BS CT2(D)	133	Planned Outage	11/1/2023	0:00:00	11/1/2023	0:00:00	0	5250	Other controls and instr Unit 2D Fall 2023	Planned Outage	156	156
BS CT2(D)	134	Planned Outage	11/15/2023	11:27:00	11/16/2023	3:20:00	15.88	5250	Other controls and instr Unit 2D Fall 2023	Planned Outage. Unit is testingNote: The CTs are getting contr	156	156
BS CT2(D)	135	Planned Outage	11/16/2023	16:06:00	11/18/2023	6:13:00	38.12	5250	Other controls and instr Unit 2D Fall 2023	Planned Outage. Unit is testing	156	156
BS CT2(D)	136	Planned Outage	11/18/2023	15:29:00	11/19/2023	4:15:00	12.77	5250	Other controls and instr Unit 2D Fall 2023	Planned Outage. Unit is testing	156	156
BS CT2(D)	137	Reserve Shutdown	11/19/2023	4:15:00	11/19/2023	15:30:00	11.25			Reserve Shutdown	156	156
BS CT2(D)	138	Reserve Shutdown	11/20/2023	8:21:00	11/20/2023	9:04:00	0.72			Reserve Shutdown	156	156
BS CT2(D)	139	Unplanned (Forced)	11/20/2023	15:04:00	11/21/2023	4:30:00	13.43	0540	Hot reheat steam piping Unit 2D blow gasket on HRH attemperator		156	156
BS CT2(D)	140	Reserve Shutdown	11/21/2023	4:30:00	11/21/2023	14:42:00	10.2			Reserve Shutdown	156	156
BS CT2(D)	141	Reserve Shutdown	11/21/2023	21:39:00	11/27/2023	0:00:00	122.35			Reserve Shutdown	156	156
BS CT2(D)	142	Maintenance Outage	11/27/2023	0:00:00	11/28/2023	0:00:00	24	3999	Other miscellaneous ba 24 hr Maintenance outage for ST flash tank leaking		156	156
BS CT2(D)	143	Reserve Shutdown	11/28/2023	0:00:00	11/29/2023	4:48:00	28.8				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	14	Planned Outage	11/1/2023	0:00:00	11/19/2023	4:15:00	437.25	4609	Other exciter problems	Unit 2ST Fall 2023 Planned OutageNote: The ST is working on the exciters		305
BS ST 2	14	Planned Outage	11/1/2023	0:00:00	11/1/2023	0:00:00	0	4609	Other exciter problems	Unit 2ST Fall 2023 Planned OutageNote: The ST is working on the exciters		305
BS ST 2	15	Reserve Shutdown	11/19/2023	4:15:00	11/19/2023	8:16:00		4.02		Reserve Shutdown		305
BS ST 2	16	Unplanned (Forced) D	11/20/2023	15:04:00	11/20/2023	15:20:00		0.27	3999	Other miscellaneous balance of plant problem Blown gasket on attemperator for 2D	228	305
BS ST 2	17	Unplanned (Forced) D	11/20/2023	15:20:00	11/21/2023	4:30:00		13.17	3999	Other miscellaneous balance of plant problem blown gasket on attemperator for 2C and 2D	151	305
BS ST 2	18	Reserve Shutdown	11/22/2023	17:19:00	11/27/2023	0:00:00		102.68		Reserve Shutdown		305
BS ST 2	19	Maintenance Outage	11/27/2023	0:00:00	11/28/2023	0:00:00		24	4499	Other miscellaneous steam turbine problems ST flash tank leaking 24 hr maintenance		305
BS ST 2	20	Reserve Shutdown	11/28/2023	0:00:00	11/28/2023	11:02:00		11.03		Reserve Shutdown		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	31	Planned Outage	11/1/2023	0:00:00	11/5/2023	23:51:00	120.85	1510	Flue gas ducts (except recirculatio	Planned Outage. Gas outlet duct repairs.		422
Big Bend 4	32	Unplanned (Forced) Outage - Immediate	11/16/2023	14:44:00	11/16/2023	16:29:00	1.75	4899	Other miscellaneous generator p	Unit tripped (Generator Protection Relay rolled)Cause unknown. Investigation underway		422
Big Bend 4	33	Unplanned (Forced) Derating - Immediate	11/17/2023	7:00:00	11/19/2023	15:00:00	56	1035	Platen superheater	Suspect tube leak in the superheater section. Main steam header pressure reduced.	317	422
Big Bend 4	34	Maintenance Outage	11/17/2023	12:04:00	11/21/2023	15:41:00	99.62	1035	Platen superheater	Tube leak due to failed sootblower (tube wash out)Note: Unit could have remained in s		422
Big Bend 4	35	Unplanned (Forced) Derating - Immediate	11/27/2023	7:00:00	11/30/2023	23:59:00	89	8560	Electrostatic precipitator proble	Several T/R sets failed, causing high particulate matter emission.	367	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 2	68	Reserve Shutdown	11/3/2023	23:33:00	11/4/2023	16:01:00	16.47			Reserve Shutdown		150
Polk 2	69	Reserve Shutdown	11/5/2023	22:23:00	11/6/2023	15:42:00	17.32			Reserve Shutdown		150
Polk 2	70	Reserve Shutdown	11/16/2023	22:38:00	11/17/2023	14:25:00	15.78			Reserve Shutdown		150
Polk 2	71	Reserve Shutdown	11/17/2023	20:41:00	11/18/2023	10:00:00	13.32			Reserve Shutdown		150
Polk 2	72	Reserve Shutdown	11/22/2023	23:05:00	11/24/2023	9:03:00	33.97			Reserve Shutdown		150
Polk 2	73	Reserve Shutdown	11/25/2023	0:22:00	11/25/2023	16:12:00	15.83			Reserve Shutdown		150
Polk 2	74	Reserve Shutdown	11/26/2023	1:18:00	11/29/2023	4:50:00	75.53			Reserve Shutdown		150
Polk 2	75	Reserve Shutdown	11/29/2023	9:10:00	11/30/2023	23:59:00	38.83			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 2 ST	56	Unplanned (Forced) Derating - Immedia	11/2/2023	5:52:00	11/2/2023	12:18:00	6.43	3999	Other miscellaneous balance of plant prober: CT3 exciter and LCI feeder breakers' protection relays asserted trips due to overcurr		341.25	461
Polk 2 ST	57	Unplanned (Forced) Derating - Immedia	11/16/2023	10:43:00	11/16/2023	12:06:00	1.38	3999	Other miscellaneous balance of plant prober: HRSG3 HP drum level was not controlling properly. Drum level control valve 3-FWV-LV-		341.25	461
Polk 2 ST	58	Unplanned (Forced) Derating - Immedia	11/17/2023	15:50:00	11/17/2023	20:41:00	4.85	3999	Other miscellaneous balance of plant prober: HRSG2 HP superheater temperatures went triple high during startup, causing swap to s		341.25	461
Polk 2 ST	59	Unplanned (Forced) Derating - Immedia	11/28/2023	12:07:00	11/28/2023	18:28:00	6.35	3999	Other miscellaneous balance of plant prober: CT4 fuel gas heater stopped operating, and would not restart. The unit was shut down		341.25	461
Polk 2 ST	60	Unplanned (Forced) Derating - Immedia	11/28/2023	20:39:00	11/28/2023	23:07:00	2.47	3999	Other miscellaneous balance of plant prober: On CT4 simple cycle run to test operation, the CT4 fuel gas heater was still not worki		341.25	461
Polk 2 ST	61	Maintenance Outage	11/28/2023	23:06:00	11/30/2023	1:47:00	26.68	4309	Other turbine instrument and control prober: Safety system controller B showed all bad inputs, meaning a 1 out of 3 vote to trip th			461
Polk 2 ST	62	Unplanned (Forced) Derating - Immedia	11/30/2023	22:13:00	11/30/2023	23:59:00	1.78	3999	Other miscellaneous balance of plant prober: On HRSG3 IP drum intermittent blowdown valve, the coupling between the motor and		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	96	Reserve Shutdown	11/1/2023	23:29:00	11/2/2023	0:00:00	0.52			Reserve Shutdown		150
Polk 3	97	Reserve Shutdown	11/2/2023	0:00:00	11/2/2023	5:52:00	5.87			Reserve Shutdown		150
Polk 3	98	Unplanned (Forced) i	11/2/2023	5:52:00	11/2/2023	12:18:00	6.43	4609	Other exciter problems	Exciter and LCI feeder breakers' protection relays asserted trips due to overcurrent.		150
Polk 3	99	Reserve Shutdown	11/2/2023	12:18:00	11/3/2023	5:44:00	17.43					150
Polk 3	100	Reserve Shutdown	11/16/2023	0:12:00	11/16/2023	10:34:00	10.37			Reserve Shutdown		150
Polk 3	101	Reserve Shutdown	11/16/2023	12:06:00	11/17/2023	10:13:00	22.12			Reserve Shutdown		150
Polk 3	102	Reserve Shutdown	11/19/2023	22:47:00	11/20/2023	17:38:00	18.85			Reserve Shutdown		150
Polk 3	103	Reserve Shutdown	11/28/2023	23:25:00	11/29/2023	9:21:00	9.93			Reserve Shutdown		150
Polk 3	94	Reserve Shutdown	11/29/2023	22:18:00	11/30/2023	13:35:00	15.28			Reserve Shutdown		150
Polk 3	95	Reserve Shutdown	11/30/2023	21:25:00	11/30/2023	23:59:00	2.58			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	98	Reserve Shutdown	11/1/2023	1:23:00	11/2/2023	0:36:00	23.22			Reserve Shutdown		150
Polk 4	99	Reserve Shutdown	11/5/2023	1:48:00	11/5/2023	15:26:00	13.63			Reserve Shutdown		150
Polk 4	100	Reserve Shutdown	11/6/2023	21:21:00	11/7/2023	14:44:00	17.38			Reserve Shutdown		150
Polk 4	101	Reserve Shutdown	11/10/2023	0:53:00	11/10/2023	10:13:00	9.33			Reserve Shutdown		150
Polk 4	102	Reserve Shutdown	11/13/2023	14:34:00	11/14/2023	5:31:00	14.95			Reserve Shutdown		150
Polk 4	103	Reserve Shutdown	11/14/2023	22:45:00	11/15/2023	7:38:00	8.88			Reserve Shutdown		150
Polk 4	104	Reserve Shutdown	11/18/2023	23:29:00	11/19/2023	17:45:00	18.27			Reserve Shutdown		150
Polk 4	105	Reserve Shutdown	11/20/2023	0:28:00	11/20/2023	15:32:00	15.07			Reserve Shutdown		150
Polk 4	106	Reserve Shutdown	11/22/2023	0:32:00	11/22/2023	9:05:00	8.55			Reserve Shutdown		150
Polk 4	107	Reserve Shutdown	11/23/2023	3:38:00	11/26/2023	8:11:00	76.55			Reserve Shutdown		150
Polk 4	108	Reserve Shutdown	11/26/2023	8:11:00	11/26/2023	8:49:00	0.63			Reserve Shutdown		150
Polk 4	109	Reserve Shutdown	11/26/2023	23:00:00	11/27/2023	5:45:00	6.75			Reserve Shutdown		150
Polk 4	110	Unplanned (Force)	11/28/2023	12:07:00	11/28/2023	18:28:00	6.35	5048	Gas fuel system including controls an Fuel gas heater stopped operating, and would not restart. The unit was shut down to pr		150	150
Polk 4	111	Unplanned (Force)	11/28/2023	20:39:00	11/29/2023	13:10:00	16.52	5048	Gas fuel system including controls an On simple cycle run to test operation, the fuel gas heater was still not working. The		150	150
Polk 4	112	Reserve Shutdown	11/29/2023	13:10:00	11/29/2023	22:48:00	9.63			Reserve Shutdown		150

Tampa Electric Company
 Outage Listing
 November 2023

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	99	Reserve Shutdown	11/1/2023	0:00:00	11/1/2023	15:09:00	15.15		Reserve Shutdown			150
Polk 5	100	Reserve Shutdown	11/4/2023	23:41:00	11/5/2023	10:44:00	12.05		Reserve Shutdown			150
Polk 5	101	Reserve Shutdown	11/6/2023	0:54:00	11/6/2023	17:17:00	16.38		Reserve Shutdown			150
Polk 5	102	Reserve Shutdown	11/7/2023	11:03:00	11/9/2023	13:56:00	50.88		Reserve Shutdown			150
Polk 5	103	Reserve Shutdown	11/12/2023	19:33:00	11/13/2023	6:11:00	10.63		Reserve Shutdown			150
Polk 5	104	Reserve Shutdown	11/14/2023	23:54:00	11/15/2023	12:19:00	12.42		Reserve Shutdown			150
Polk 5	105	Reserve Shutdown	11/16/2023	0:24:00	11/16/2023	11:26:00	11.03		Reserve Shutdown			150
Polk 5	106	Reserve Shutdown	11/19/2023	8:46:00	11/20/2023	15:58:00	31.2		Reserve Shutdown			150
Polk 5	107	Reserve Shutdown	11/20/2023	20:29:00	11/21/2023	14:45:00	18.27		Reserve Shutdown			150
Polk 5	108	Reserve Shutdown	11/21/2023	23:05:00	11/22/2023	12:18:00	13.22		Reserve Shutdown			150
Polk 5	109	Reserve Shutdown	11/22/2023	19:50:00	11/23/2023	11:32:00	15.7		Reserve Shutdown			150
Polk 5	110	Reserve Shutdown	11/23/2023	22:44:00	11/25/2023	13:42:00	38.97		Reserve Shutdown			150
Polk 5	111	Reserve Shutdown	11/25/2023	20:43:00	11/26/2023	8:11:00	11.47		Reserve Shutdown			150
Polk 5	112	Reserve Shutdown	11/26/2023	8:11:00	11/26/2023	14:05:00	5.9		Reserve Shutdown			150
Polk 5	113	Reserve Shutdown	11/28/2023	21:45:00	11/29/2023	6:54:00	9.15		Reserve Shutdown			150
Polk 5	114	Reserve Shutdown	11/29/2023	9:38:00	11/29/2023	21:01:00	11.38		Reserve Shutdown			150