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August 25, 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 July 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 25th day of August 2023 to the following:

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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						93.0
2. Period Hours	PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0						5,087.0
3. Service Hours	SH	744.0	672.0	577.4	720.0	744.0	720.0	744.0						4,921.4
4. Reserve Shutdown Hours	RSH	0.0	0.0	0.0	0.0	0.0	0.0	0.0						0.0
5. Unavailable Hours	UH	6.3	0.1	224.2	0.7	52.8	0.0	3.0						287.1
6. Planned Outage Hours	POH	6.3	0.0	219.2	0.0	0.0	0.0	0.0						225.5
7. Forced Outage Hours	FOH	0.1	0.1	5.0	0.7	10.3	0.0	0.0						16.2
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	0.0	42.5	0.0	3.0						45.5
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	349.9	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						79.0
10a. Partial Forced Outage Hours	PFOH	0.4	0.4	7.0	3.3	46.5	0.0	0.0						57.6
10b. Load Reduction Partial Forced (MW)	LRPF	19.2	79.0	78.8	79.1	79.0	0.0	0.0						78.6
11a. Partial Maintenance Outage Hours	PMOH	27.1	0.0	0.0	0.0	190.8	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						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
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						14,106.8
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						1,908,965.5
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						7,389.7
16. Net Output Factor (%)	NOF	43.7	36.2	49.3	65.2	56.1	59.2	56.2						51.9
17. Net Period Continuous Rating (MW)	NPC	792.0	792.0	792.0	701.0	701.0	701.0	749.0						746.9
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-3.808) + 7,647												

Note: Period hours may not match the Service, RS or Unavailble hours due to the individual componet 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						96.0
2. Period Hours	PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0						5,087.0
3. Service Hours	SH	0.0	134.9	743.0	720.0	744.0	720.0	744.0						3,805.9
4. Reserve Shutdown Hours	RSH	582.9	537.1	0.0	0.0	0.0	0.0	0.0						1,120.0
5. Unavailable Hours	UH	161.1	0.0	13.9	3.8	9.2	0.0	5.2						193.2
6. Planned Outage Hours	POH	130.2	0.0	0.0	0.0	0.0	0.0	0.0						130.2
7. Forced Outage Hours	FOH	30.9	0.0	7.8	0.0	0.0	0.0	0.0						38.7
8. Maintenance Outage Hours	MOH	0.0	0.0	6.1	3.8	9.2	0.0	5.2						24.3
9a. Partial Planned Outage Hours	PPOH	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
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	42.7	0.0	0.0	0.0	0.0						42.7
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	80.3	0.0	0.0	0.0	0.0						80.3
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	34.9	22.9	55.0	0.0	0.0						112.7
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	77.0	77.0	77.0	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
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						14,262.3
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						1,905,236.2
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						7,485.8
16. Net Output Factor (%)	NOF	0.0	26.5	52.8	58.3	54.8	52.7	48.8						51.1
17. Net Period Continuous Rating (MW)	NPC	1,047.0	1,047.0	1,047.0	929.0	929.0	929.0	929.0						979.6
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						50.0
2. Period Hours	PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0						5,087.0
3. Service Hours	SH	86.1	338.3	704.3	169.6	0.0	0.0	600.2						1,898.5
4. Reserve Shutdown Hours	RSH	473.0	311.5	1.0	0.0	0.0	0.0	0.0						785.5
5. Unavailable Hours	UH	185.0	22.2	38.7	550.5	744.0	720.0	143.8						2,404.2
6. Planned Outage Hours	POH	0.0	0.0	0.0	550.5	744.0	682.1	0.0						1,976.6
7. Forced Outage Hours	FOH	0.0	22.2	38.7	0.0	0.0	37.9	71.7						170.5
8. Maintenance Outage Hours	MOH	185.0	0.0	0.0	0.0	0.0	0.0	72.1						257.1
9a. Partial Planned Outage Hours	PPOH	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
10a. Partial Forced Outage Hours	PFOH	86.1	0.0	334.3	169.6	0.0	0.0	0.0						590.0
10b. Load Reduction Partial Forced (MW)	LRPF	90.0	0.0	96.3	20.0	0.0	0.0	0.0						73.4
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	0.0	0.0	190.8						190.8
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	0.0	0.0	80.0						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
13. Operating British Thermal Units (GBTU)	OPR BTU	246.7	763.3	2,009.9	487.9	0.0	0.0	1,393.3						4,901.1
14. Net Generation (MWH)	NETGEN	23,309.0	66,583.0	178,048.0	42,597.0	0.0	0.0	116,615.0						427,152.0
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	11,948.0						11,473.9
16. Net Output Factor (%)	NOF	62.7	45.6	58.5	59.5	0.0	0.0	46.0						52.8
17. Net Period Continuous Rating (MW)	NPC	432.0	432.0	432.0	422.0	422.0	422.0	422.0						426.3
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						90.9
2. Period Hours	PH	744.0	672.0	743.0	720.0	744.0	720.0	744.0						5,087.0
3. Service Hours	SH	663.1	672.0	517.2	720.0	744.0	720.0	739.1						4,775.4
4. Reserve Shutdown Hours	RSH	0.0	0.0	45.1	0.0	0.0	0.0	0.7						45.8
5. Unavailable Hours	UH	94.3	0.0	181.7	44.5	11.4	25.8	4.2						361.9
6. Planned Outage Hours	POH	25.9	0.0	180.4	25.5	0.0	0.0	0.0						231.8
7. Forced Outage Hours	FOH	43.7	0.0	0.0	4.1	8.7	0.0	2.1						58.6
8. Maintenance Outage Hours	MOH	24.7	0.0	1.4	14.9	2.7	25.8	2.1						71.6
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	235.1	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						127.0
10a. Partial Forced Outage Hours	PFOH	108.7	22.5	2.4	29.8	54.3	3.3	10.5						231.5
10b. Load Reduction Partial Forced (MW)	LRPF	75.0	114.9	138.8	120.0	134.6	115.6	119.2						101.9
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	278.0	19.3	182.6	14.9						494.8
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	123.5	115.3	115.3	119.4						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
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						24,854.6
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						3,515,986.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,233.0	7,116.0	7,419.0	7,104.0	6,748.0	7,002.0	7,070.0						7,069.0
16. Net Output Factor (%)	NOF	53.6	49.0	60.6	72.9	80.4	72.4	73.3						65.7
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						1,120.6
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
 July 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)	189	Reserve Shutdown	7/6/2023	22:55:00	7/8/2023	18:10:00	43.25			Reserve Shutdown		168
BS CT1(A)	190	Reserve Shutdown	7/10/2023	19:16:00	7/11/2023	9:54:00	14.63			Reserve Shutdown		168
BS CT1(A)	191	Reserve Shutdown	7/13/2023	0:35:00	7/13/2023	15:59:00	15.4			Reserve Shutdown		168
BS CT1(A)	192	Reserve Shutdown	7/14/2023	23:54:00	7/15/2023	11:49:00	11.92			Reserve Shutdown		168
BS CT1(A)	193	Reserve Shutdown	7/17/2023	18:07:00	7/18/2023	15:38:00	21.52			Reserve Shutdown		168
BS CT1(A)	194	Reserve Shutdown	7/21/2023	0:18:00	7/21/2023	11:53:00	11.58			Reserve Shutdown		168
BS CT1(A)	195	Reserve Shutdown	7/23/2023	21:45:00	7/25/2023	10:47:00	37.03			Reserve Shutdown		168
BS CT1(A)	196	Reserve Shutdown	7/30/2023	7:54:00	7/31/2023	10:22:00	26.47			Reserve Shutdown		168

Tampa Electric Company
 Outage Listing
 July 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(B)	198	Reserve Shutdown	7/1/2023	1:00:00	7/1/2023	12:59:00	11.98			Reserve Shutdown		168
BS CT1(B)	199	Reserve Shutdown	7/2/2023	7:24:00	7/2/2023	14:42:00	7.3			Reserve Shutdown		168
BS CT1(B)	200	Reserve Shutdown	7/3/2023	22:27:00	7/4/2023	14:22:00	15.92			Reserve Shutdown		168
BS CT1(B)	201	Reserve Shutdown	7/7/2023	22:01:00	7/8/2023	9:49:00	11.8			Reserve Shutdown		168
BS CT1(B)	202	Reserve Shutdown	7/9/2023	22:19:00	7/10/2023	15:37:00	17.3			Reserve Shutdown		168
BS CT1(B)	203	Reserve Shutdown	7/11/2023	13:12:00	7/12/2023	13:58:00	24.77			Reserve Shutdown		168
BS CT1(B)	204	Reserve Shutdown	7/14/2023	22:10:00	7/15/2023	9:29:00	11.32			Reserve Shutdown		168
BS CT1(B)	205	Reserve Shutdown	7/17/2023	21:30:00	7/18/2023	6:07:00	8.62			Reserve Shutdown		168
BS CT1(B)	206	Reserve Shutdown	7/19/2023	21:20:00	7/20/2023	14:46:00	17.43			Reserve Shutdown		168
BS CT1(B)	207	Reserve Shutdown	7/23/2023	0:36:00	7/23/2023	10:27:00	9.85			Reserve Shutdown		168
BS CT1(B)	208	Reserve Shutdown	7/26/2023	0:47:00	7/26/2023	14:19:00	13.53			Reserve Shutdown		168
BS CT1(B)	209	Reserve Shutdown	7/28/2023	21:38:00	7/29/2023	12:22:00	14.73			Reserve Shutdown		168

Tampa Electric Company
Outage Listing
July 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(C)	247	Reserve Shutdown	7/1/2023	0:00:00	7/1/2023	10:59:00	10.98			Reserve Shutdown	168	168
BS CT1(C)	248	Reserve Shutdown	7/2/2023	1:46:00	7/3/2023	13:06:00	35.33			Reserve Shutdown	168	168
BS CT1(C)	249	Reserve Shutdown	7/4/2023	23:10:00	7/6/2023	0:00:00	24.83			Reserve Shutdown	168	168
BS CT1(C)	250	Maintenance Outage	7/6/2023	0:00:00	7/6/2023	13:28:00	13.47	5160	Cooling and seal air system	1C CT leak on the extraction air flex hose.	168	168
BS CT1(C)	251	Reserve Shutdown	7/6/2023	13:28:00	7/6/2023	19:50:00	6.37			Reserve Shutdown	168	168
BS CT1(C)	252	Reserve Shutdown	7/8/2023	21:28:00	7/9/2023	13:35:00	16.12			Reserve Shutdown	168	168
BS CT1(C)	253	Reserve Shutdown	7/12/2023	1:23:00	7/12/2023	11:03:00	9.67			Reserve Shutdown	168	168
BS CT1(C)	254	Reserve Shutdown	7/13/2023	22:13:00	7/14/2023	11:35:00	13.37			Reserve Shutdown	168	168
BS CT1(C)	255	Reserve Shutdown	7/17/2023	0:26:00	7/17/2023	10:50:00	10.4			Reserve Shutdown	168	168
BS CT1(C)	256	Reserve Shutdown	7/18/2023	21:12:00	7/19/2023	13:24:00	16.2			Reserve Shutdown	168	168
BS CT1(C)	257	Reserve Shutdown	7/22/2023	3:22:00	7/22/2023	14:51:00	11.48			Reserve Shutdown	168	168
BS CT1(C)	258	Reserve Shutdown	7/24/2023	21:12:00	7/25/2023	13:06:00	15.9			Reserve Shutdown	168	168
BS CT1(C)	259	Reserve Shutdown	7/27/2023	1:05:00	7/27/2023	12:16:00	11.18			Reserve Shutdown	168	168
BS CT1(C)	260	Reserve Shutdown	7/27/2023	19:37:00	7/28/2023	11:45:00	16.13			Reserve Shutdown	168	168
BS CT1(C)	261	Reserve Shutdown	7/28/2023	19:44:00	7/29/2023	11:24:00	15.67			Reserve Shutdown	168	168
BS CT1(C)	192	Reserve Shutdown	7/31/2023	2:03:00	7/31/2023	12:01:00	9.97			Reserve Shutdown	168	168

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Tampa Electric Company
Outage Listing
July 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
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Tampa Electric Company
 Outage Listing
 July 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 CT2(A)	109	Reserve Shutdown	7/1/2023	7:55:00	7/1/2023	17:50:00	9.92			Reserve Shutdown		156
BS CT2(A)	110	Reserve Shutdown	7/5/2023	19:04:00	7/6/2023	9:43:00	14.65			Reserve Shutdown		156
BS CT2(A)	111	Reserve Shutdown	7/7/2023	0:40:00	7/7/2023	10:37:00	9.95			Reserve Shutdown		156
BS CT2(A)	112	Reserve Shutdown	7/8/2023	22:52:00	7/9/2023	13:05:00	14.22			Reserve Shutdown		156
BS CT2(A)	113	Reserve Shutdown	7/12/2023	6:26:00	7/13/2023	11:28:00	29.03			Reserve Shutdown		156
BS CT2(A)	114	Reserve Shutdown	7/13/2023	20:09:00	7/13/2023	20:25:00	0.27			Reserve Shutdown		156
BS CT2(A)	115	Maintenance Outage	7/13/2023	20:25:00	7/14/2023	11:30:00	15.08	0799	Other miscellaneous pipi 2A CT fuel gas skid safety on IP economizer piping popped open.			156
BS CT2(A)	116	Reserve Shutdown	7/14/2023	11:30:00	7/14/2023	14:55:00	3.42					156
BS CT2(A)	117	Reserve Shutdown	7/16/2023	1:57:00	7/17/2023	10:17:00	32.33			Reserve Shutdown		156
BS CT2(A)	118	Reserve Shutdown	7/18/2023	22:06:00	7/19/2023	16:46:00	18.67			Reserve Shutdown		156
BS CT2(A)	119	Reserve Shutdown	7/22/2023	23:48:00	7/23/2023	9:56:00	10.13			Reserve Shutdown		156
BS CT2(A)	120	Reserve Shutdown	7/23/2023	22:55:00	7/24/2023	10:28:00	11.55			Reserve Shutdown		156
BS CT2(A)	121	Reserve Shutdown	7/27/2023	22:04:00	7/28/2023	9:01:00	10.95			Reserve Shutdown		156
BS CT2(A)	98	Reserve Shutdown	7/31/2023	18:05:00	7/31/2023	23:59:00	5.92			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)	173	Reserve Shutdown	7/2/2023	0:15:00	7/3/2023	11:45:00	35.5			Reserve Shutdown		156
BS CT2(B)	174	Reserve Shutdown	7/4/2023	3:26:00	7/4/2023	16:22:00	12.93			Reserve Shutdown		156
BS CT2(B)	175	Reserve Shutdown	7/5/2023	22:36:00	7/6/2023	10:34:00	11.97			Reserve Shutdown		156
BS CT2(B)	176	Reserve Shutdown	7/7/2023	1:24:00	7/7/2023	16:54:00	15.5			Reserve Shutdown		156
BS CT2(B)	177	Reserve Shutdown	7/8/2023	2:25:00	7/9/2023	18:14:00	39.82			Reserve Shutdown		156
BS CT2(B)	178	Reserve Shutdown	7/10/2023	18:10:00	7/11/2023	11:42:00	17.53			Reserve Shutdown		156
BS CT2(B)	179	Reserve Shutdown	7/13/2023	1:25:00	7/13/2023	17:31:00	16.1			Reserve Shutdown		156
BS CT2(B)	180	Reserve Shutdown	7/15/2023	2:05:00	7/15/2023	12:42:00	10.62			Reserve Shutdown		156
BS CT2(B)	181	Reserve Shutdown	7/15/2023	20:27:00	7/16/2023	10:04:00	13.62			Reserve Shutdown		156
BS CT2(B)	182	Reserve Shutdown	7/16/2023	20:58:00	7/18/2023	17:05:00	44.12			Reserve Shutdown		156
BS CT2(B)	183	Reserve Shutdown	7/19/2023	20:25:00	7/20/2023	15:33:00	19.13			Reserve Shutdown		156
BS CT2(B)	184	Reserve Shutdown	7/20/2023	21:21:00	7/21/2023	14:33:00	17.2			Reserve Shutdown		156
BS CT2(B)	185	Reserve Shutdown	7/23/2023	1:48:00	7/23/2023	11:46:00	9.97			Reserve Shutdown		156
BS CT2(B)	186	Reserve Shutdown	7/24/2023	0:25:00	7/25/2023	12:44:00	36.32			Reserve Shutdown		156
BS CT2(B)	187	Reserve Shutdown	7/25/2023	23:29:00	7/27/2023	8:25:00	32.93			Reserve Shutdown		156
BS CT2(B)	188	Reserve Shutdown	7/28/2023	22:39:00	7/29/2023	11:34:00	12.92			Reserve Shutdown		156
BS CT2(B)	151	Reserve Shutdown	7/31/2023	0:05:00	7/31/2023	11:37:00	11.53			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)	157	Reserve Shutdown	7/1/2023	21:00:00	7/2/2023	11:28:00	14.47		Reserve Shutdown			156
BS CT2(C)	158	Reserve Shutdown	7/4/2023	0:18:00	7/4/2023	11:01:00	10.72		Reserve Shutdown			156
BS CT2(C)	159	Reserve Shutdown	7/4/2023	22:10:00	7/5/2023	11:25:00	13.25		Reserve Shutdown			156
BS CT2(C)	160	Reserve Shutdown	7/6/2023	0:28:00	7/6/2023	14:44:00	14.27		Reserve Shutdown			156
BS CT2(C)	161	Reserve Shutdown	7/8/2023	0:21:00	7/9/2023	11:07:00	34.77		Reserve Shutdown			156
BS CT2(C)	162	Reserve Shutdown	7/10/2023	0:59:00	7/12/2023	13:21:00	60.37		Reserve Shutdown			156
BS CT2(C)	163	Reserve Shutdown	7/13/2023	23:15:00	7/14/2023	10:22:00	11.12		Reserve Shutdown			156
BS CT2(C)	164	Reserve Shutdown	7/16/2023	0:40:00	7/16/2023	11:36:00	10.93		Reserve Shutdown			156
BS CT2(C)	165	Reserve Shutdown	7/22/2023	0:40:00	7/22/2023	10:16:00	9.6		Reserve Shutdown			156
BS CT2(C)	166	Reserve Shutdown	7/23/2023	21:26:00	7/25/2023	10:10:00	36.73		Reserve Shutdown			156
BS CT2(C)	167	Reserve Shutdown	7/26/2023	22:35:00	7/27/2023	11:22:00	12.78		Reserve Shutdown			156
BS CT2(C)	168	Reserve Shutdown	7/27/2023	23:08:00	7/28/2023	12:27:00	13.32		Reserve Shutdown			156
BS CT2(C)	169	Reserve Shutdown	7/30/2023	1:27:00	7/30/2023	12:32:00	11.08		Reserve Shutdown			156
BS CT2(C)	170	Reserve Shutdown	7/30/2023	21:59:00	7/31/2023	23:59:00	26.02		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)	169	Reserve Shutdown	7/1/2023	1:56:00	7/1/2023	16:42:00	14.77			Reserve Shutdown	156	156
BS CT2(D)	170	Reserve Shutdown	7/3/2023	2:58:00	7/4/2023	9:57:00	30.98			Reserve Shutdown	156	156
BS CT2(D)	171	Reserve Shutdown	7/5/2023	0:19:00	7/5/2023	14:17:00	13.97			Reserve Shutdown	156	156
BS CT2(D)	172	Reserve Shutdown	7/6/2023	21:14:00	7/7/2023	3:02:00	5.8			Reserve Shutdown	156	156
BS CT2(D)	173	Maintenance Outage	7/7/2023	3:02:00	7/7/2023	18:59:00	15.95	0799	Other miscellaneous pipi	Leak on a 2D HRSG common drain line.	156	156
BS CT2(D)	174	Reserve Shutdown	7/7/2023	18:59:00	7/8/2023	16:08:00	21.15			Reserve Shutdown	156	156
BS CT2(D)	175	Reserve Shutdown	7/9/2023	23:37:00	7/10/2023	11:09:00	11.53			Reserve Shutdown	156	156
BS CT2(D)	176	Reserve Shutdown	7/12/2023	22:00:00	7/13/2023	14:11:00	16.18			Reserve Shutdown	156	156
BS CT2(D)	177	Reserve Shutdown	7/14/2023	0:25:00	7/15/2023	10:34:00	34.15			Reserve Shutdown	156	156
BS CT2(D)	178	Reserve Shutdown	7/16/2023	19:09:00	7/17/2023	12:45:00	17.6			Reserve Shutdown	156	156
BS CT2(D)	179	Reserve Shutdown	7/18/2023	13:14:00	7/19/2023	11:57:00	22.72			Reserve Shutdown	156	156
BS CT2(D)	180	Reserve Shutdown	7/19/2023	22:57:00	7/20/2023	12:52:00	13.92			Reserve Shutdown	156	156
BS CT2(D)	181	Reserve Shutdown	7/20/2023	23:20:00	7/21/2023	17:08:00	17.8			Reserve Shutdown	156	156
BS CT2(D)	182	Reserve Shutdown	7/23/2023	2:39:00	7/23/2023	15:19:00	12.67			Reserve Shutdown	156	156
BS CT2(D)	183	Reserve Shutdown	7/24/2023	23:40:00	7/26/2023	13:48:00	38.13			Reserve Shutdown	156	156
BS CT2(D)	184	Reserve Shutdown	7/26/2023	23:54:00	7/27/2023	16:20:00	16.43			Reserve Shutdown	156	156
BS CT2(D)	185	Reserve Shutdown	7/30/2023	1:41:00	7/30/2023	12:56:00	11.25			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
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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	11	Startup Failure	7/1/2023	0:00:00	7/1/2023	6:06:00	6.1 3621	Unit auxiliaries transformer	Unit station service transformer failure. Investigation underway.			422
Big Bend 4	12	Unplanned (Forced) Outage - Immediate	7/1/2023	10:38:00	7/1/2023	20:33:00	9.92 1475	Induced draft fan controls	Control room operator failed to control the FGD inlet duct high pressure which caused			422
Big Bend 4	13	Unplanned (Forced) Outage - Immediate	7/1/2023	20:49:00	7/2/2023	10:07:00	13.3 4499	Other miscellaneous steam turbine	Exciter bearings (#9 & 10) exhibited high vibration. Operator manually tripped the uni			422
Big Bend 4	14	Unplanned (Forced) Outage - Immediate	7/2/2023	14:30:00	7/3/2023	15:11:00	24.68 3123	Hot well	Unit tripped on low vacuum limits. Operator was troubleshooting the low vacuum and clo			422
Big Bend 4	15	Maintenance Derating	7/3/2023	15:11:00	7/11/2023	14:00:00	190.82 1710	Combustion/steam condition contr	Post-outage natural gas controls tuning. Reached MDC on 7/11.	342		422
Big Bend 4	16	Unplanned (Forced) Outage - Immediate	7/20/2023	22:41:00	7/21/2023	16:23:00	17.7 4609	Other exciter problems	During a weekly inspection some loose bolts were found inside the exciter enclosure. U			422
Big Bend 4	17	Maintenance Outage	7/28/2023	23:52:00	7/31/2023	23:59:00	72.13 1080	Economizer	Boiler furnace waterwall tube leak repairs. No equipment cause code available for t			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	97	Reserve Shutdown	7/9/2023	2:32:00	7/9/2023	10:20:00	7.8			Reserve Shutdown		150
Polk 2	98	Reserve Shutdown	7/12/2023	23:48:00	7/13/2023	10:42:00	10.9			Reserve Shutdown		150
Polk 2	99	Reserve Shutdown	7/22/2023	0:27:00	7/22/2023	10:20:00	9.88			Reserve Shutdown		150
Polk 2	100	Noncurtailing	7/25/2023	2:21:00	7/27/2023	4:45:00	50.4	5250	Other controls and instr.	Unit unavailable on liquid fuel, no impact to natural gas operation		150
Polk 2	101	Reserve Shutdown	7/25/2023	2:22:00	7/25/2023	11:01:00	8.65			Reserve Shutdown		150
Polk 2	102	Reserve Shutdown	7/25/2023	12:15:00	7/25/2023	13:14:00	0.98			Reserve Shutdown		150
Polk 2	103	Maintenance Outage	7/26/2023	20:13:00	7/27/2023	4:45:00	8.53	5250	Other controls and instr.	On 7/25/2023 liquid fuel run the turbine got up to 70 MW, then tripped on no wat		150
Polk 2	104	Reserve Shutdown	7/27/2023	4:45:00	7/27/2023	11:49:00	7.07					150
Polk 2	105	Reserve Shutdown	7/28/2023	14:42:00	7/28/2023	16:01:00	1.32			Reserve Shutdown		150
Polk 2	106	Reserve Shutdown	7/29/2023	1:18:00	7/29/2023	11:28:00	10.17			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	41	Unplanned (Forced) Derating - Immediate	7/25/2023	11:01:00	7/25/2023	12:14:00	1.22	4261	Control valves	During CT2 startup in combined cycle, after merging HRSG HRRH to the ST IP section flow	341.75	461
Polk 2 ST	42	Maintenance Derating	7/25/2023	21:40:00	7/26/2023	4:00:00	6.33	3999	Other miscellaneous balance of plant problems	On 7/17/2023 attempted liquid fuel run on CT3, the unit tripped out on atomizing air.	341.75	461
Polk 2 ST	43	Maintenance Derating	7/26/2023	20:13:00	7/27/2023	4:45:00	8.53	3999	Other miscellaneous balance of plant problems	On 7/25/2023 liquid fuel run on CT2 the turbine got up to 70 MW, then tripped on no wa	341.75	461
Polk 2 ST	44	Unplanned (Forced) Outage - Immediate	7/28/2023	8:33:00	7/28/2023	13:26:00	4.88	4309	Other turbine instrument and control problems	Input card to turbine control panel failed. This input card carries right IP intercept		461
Polk 2 ST	45	Unplanned (Forced) Derating - Immediate	7/28/2023	16:00:00	7/29/2023	1:18:00	9.3	4261	Control valves	During CT2 startup in combined cycle, after merging HRSG HRRH to the ST IP section flow	341.75	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	152	Reserve Shutdown	7/1/2023	2:53:00	7/1/2023	10:22:00	7.48			Reserve Shutdown	150	150
Polk 3	153	Reserve Shutdown	7/4/2023	1:46:00	7/4/2023	10:16:00	8.5			Reserve Shutdown	150	150
Polk 3	154	Reserve Shutdown	7/9/2023	22:15:00	7/10/2023	9:55:00	11.67			Reserve Shutdown	150	150
Polk 3	155	Noncurtailing	7/17/2023	22:52:00	7/26/2023	4:00:00	197.13	5060	Atomizing air system	Unavailable on liquid fuel, no impact to natural gas operation	150	150
Polk 3	156	Reserve Shutdown	7/17/2023	22:52:00	7/18/2023	14:44:00	15.87			Reserve Shutdown	150	150
Polk 3	157	Maintenance Outage	7/25/2023	21:40:00	7/26/2023	4:00:00	6.33	5060	Atomizing air system	On 7/17/2023 attempted liquid fuel run, the unit tripped out on atomizing air. The uni	150	150
Polk 3	158	Reserve Shutdown	7/26/2023	4:00:00	7/26/2023	10:52:00	6.87				150	150
Polk 3	159	Reserve Shutdown	7/28/2023	13:04:00	7/28/2023	14:10:00	1.1			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	121	Reserve Shutdown	7/11/2023	13:28:00	7/12/2023	10:58:00	21.5		Reserve Shutdown			150
Polk 4	122	Reserve Shutdown	7/19/2023	1:10:00	7/19/2023	11:15:00	10.08		Reserve Shutdown			150
Polk 4	123	Reserve Shutdown	7/28/2023	1:29:00	7/28/2023	12:06:00	10.62		Reserve Shutdown			150
Polk 4	86	Reserve Shutdown	7/31/2023	23:22:00	7/31/2023	23:59:00	0.63		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 5	138	Reserve Shutdown	7/2/2023	3:14:00	7/2/2023	10:59:00	7.75			Reserve Shutdown		150
Polk 5	139	Reserve Shutdown	7/5/2023	1:30:00	7/5/2023	11:00:00	9.5			Reserve Shutdown		150
Polk 5	140	Reserve Shutdown	7/14/2023	1:53:00	7/14/2023	11:31:00	9.63			Reserve Shutdown		150
Polk 5	141	Reserve Shutdown	7/19/2023	22:09:00	7/20/2023	12:03:00	13.9			Reserve Shutdown		150
Polk 5	142	Reserve Shutdown	7/28/2023	18:03:00	7/28/2023	19:02:00	0.98			Reserve Shutdown		150
Polk 5	54	Reserve Shutdown	4/27/2023	22:56:00	4/28/2023	16:26:00	17.5			Reserve Shutdown		150