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October 25, 2019

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. 20190001-EI

Dear Mr. Teitzman:

Attached for filing in the above docket is Tampa Electric Company's GPIF Actual Unit
Performance Data Schedules for the month of September 2019.

Thank you for your assistance in connection with this matter.

Sincerely,



Malcom N. Means

MNM/ne

Attachment

cc: All parties of record (w/attachment)

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Schedules, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 25th day of October, 2019 to the following:

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ATTORNEY

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2019 - DECEMBER 2019

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 19	FEB 19	MAR 19	APR 19	MAY 19	JUN 19	JUL 19	AUG 19	SEP 19	OCT 19	NOV 19	DEC 19	2019
1. Equivalent Availability Factor (%)	EAF	99.9	87.8	23.1	87.9	93.9	95.4	86.7	96.8	97.5				86.0
2. Period Hours	PH	744.0	672.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0				6,552.0
3. Service Hours	SH	744.0	597.1	0.0	586.9	714.1	700.1	672.5	728.2	708.2				5,451.100
4. Reserve Shutdown Hours	RSH	0.0	0.0	171.9	46.5	0.0	0.0	0.0	0.0	0.0				218.4
5. Unavailable Hours	UH	0.0	74.9	572.1	86.6	29.9	19.9	71.5	15.8	11.8				882.5
6. Planned Outage Hours	POH	0.0	74.9	572.1	8.5	0.0	0.0	0.0	0.0	0.0				655.5000
7. Forced Outage Hours	FOH	0.0	0.0	0.0	78.1	0.0	19.9	68.5	10.8	10.2				187.5
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	0.0	29.9	0.0	3.0	5.0	1.6				39.5
9a. Partial Planned Outage Hours	PPOH	0.0	48.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0				48.5
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	117.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0				117.4
10a. Partial Forced Outage Hours	PFOH	2.1	0.0	0.0	0.9	0.0	39.7	81.7	16.1	12.8				153.300
10b. Load Reduction Partial Forced (MW)	LRPF	263.8	0.0	0.0	77.4	0.0	94.2	79.0	79.0	145.3				91.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	44.6	7.7	0.0	7.4	2.4				62.2
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	79.0	75.0	0.0	79.0	79.0				78.5
12. Net Summer Continuous Rating (MW)	NSC	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0	701.0				701.0
13. Operating British Thermal Units (GBTU)	OPR BTU	2,153.7	1,975.7	0.0	2,092.3	2,623.6	2,709.4	2,338.2	2,555.4	2,098.8				18,547.0
14. Net Generation (MWH)	NETGEN	281,105.8	268,363.3	-489.0	285,493.0	357,594.0	371,287.2	316,400.6	340,370.5	282,565.0				2,502,690.4
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,661.4	7,362.0	0.0	7,329.0	7,337.0	7,297.0	7,390.0	7,508.0	7,428.0				7,410.8
16. Net Output Factor (%)	NOF	47.7	56.8	0.0	69.4	68.6	73.6	64.1	65.3	56.0				62.8
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 2019 - DECEMBER 2019

PLANT/UNIT		MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD
BAYSIDE 2		JAN 19	FEB 19	MAR 19	APR 19	MAY 19	JUN 19	JUL 19	AUG 19	SEP 19	OCT 19	NOV 19	DEC 19	2019
1. Equivalent Availability Factor (%)	EAF	33.7	80.8	99.5	94.1	99.6	99.3	100.0	92.1	97.4				88.7
2. Period Hours	PH	744.0	672.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0				6,552.0
3. Service Hours	SH	241.8	594.0	740.6	691.2	742.1	717.2	743.0	685.1	707.6				5,862.6
4. Reserve Shutdown Hours	RSH	24.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0				25.0
5. Unavailable Hours	UH	478.2	78.0	3.4	28.8	1.9	2.8	0.0	58.9	12.4				664.4
6. Planned Outage Hours	POH	445.0	58.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				503.0
7. Forced Outage Hours	FOH	33.2	0.0	3.4	28.8	0.5	2.8	0.0	0.0	0.0				68.7
8. Maintenance Outage Hours	MOH	0.0	20.0	0.0	0.0	1.4	0.0	0.0	58.9	12.4				92.9
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	0.7	383.8	0.2	53.4	1.0	0.0	0.0	0.0	0.0				439.1
10b. Load Reduction Partial Forced (MW)	LRPF	261.8	138.4	78.8	77.0	77.5	0.0	0.0	0.0	0.0				131.0
11a. Partial Maintenance Outage Hours	PMOH	59.9	0.0	0.0	0.0	2.7	8.3	0.0	0.0	24.2				95.1
11b. Load Reduction Partial Maintenance (MW)	LRPM	261.8	0.0	0.0	0.0	77.1	85.0	0.0	0.0	77.0				194.1
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	661.3	2,265.6	4,330.1	3,601.5	4,030.2	3,898.4	3,798.3	3,042.7	2,946.1				28,574.1
14. Net Generation (MWH)	NETGEN	80,708.2	305,544.7	572,174.0	492,205.4	551,479.2	538,434.7	520,587.5	405,685.4	397,926.0				3,864,745.1
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,193.5	7,415.0	7,568.0	7,317.0	7,308.0	7,240.0	7,296.0	7,500.0	7,404.0				7,393.5
16. Net Output Factor (%)	NOF	31.9	49.1	86.9	73.6	77.5	80.5	75.3	63.7	59.5				67.7
17. Net Period Continuous Rating (MW)	NPC	1,047.0	1,047.0	1,047.0	956.0	956.0	929.0	929.0	929.0	929.0				974.3
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 2019 - DECEMBER 2019

PLANT/UNIT		MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD	
POLK 1		JAN 19	FEB 19	MAR 19	APR 19	MAY 19	JUN 19	JUL 19	AUG 19	SEP 19	OCT 19	NOV 19	DEC 19	2019
1. Equivalent Availability Factor (%)	EAF	61.1	18.0	81.8	100.0	68.9	98.5	98.8	100.0	100.0				81.5
2. Period Hours	PH	744.0	672.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0				6,552.0
3. Service Hours	SH	192.7	53.0	458.1	692.0	509.0	667.2	319.9	409.9	465.6				3,767.4
4. Reserve Shutdown Hours	RSH	322.9	0.0	179.0	28.0	3.4	42.0	415.5	334.1	254.4				1,579.3
5. Unavailable Hours	UH	213.9	539.6	106.9	0.0	231.6	10.8	8.6	0.0	0.0				1,111.4
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	19.6	539.6	0.0	0.0	41.5	8.7	0.0	0.0	0.0				609.4
8. Maintenance Outage Hours	MOH	208.8	0.0	106.9	0.0	190.1	2.1	8.6	0.0	0.0				516.5
9a. Partial Planned Outage Hours	PPOH	744.0	493.0	30.9	0.0	0.0	0.0	0.0	0.0	0.0				1,267.9
9b. Load Reduction Partial Planned (MW)	LRPP	20.0	5.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0				15.3
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				0.0
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0				0.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	46.7	0.0	0.0	0.0	0.0	0.0	0.0				46.7
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	0.0				15.0
12. Net Summer Continuous Rating (MW)	NSC	220.0	220.0	220.0	235.0	235.0	235.0	235.0	235.0	235.0				230.0
13. Operating British Thermal Units (GBTU)	OPR BTU	247.0	62.5	551.9	884.0	657.3	872.8	386.1	475.2	515.6				4,652.3
14. Net Generation (MWH)	NETGEN	23,968.3	4,295.0	61,112.0	103,624.0	75,289.0	101,034.8	40,693.3	51,490.0	55,151.1				516,657.5
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	10,304.7	14,559.0	9,032.0	8,531.0	8,731.0	8,639.0	9,789.0	9,229.0	9,348.0				9,004.7
16. Net Output Factor (%)	NOF	50.8	32.9	55.1	64.5	62.9	64.4	54.1	53.5	50.4				57.5
17. Net Period Continuous Rating (MW)	NPC	245.0	245.0	245.0	235.0	235.0	235.0	235.0	235.0	235.0				238.3
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 2019 - DECEMBER 2019

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 19	FEB 19	MAR 19	APR 19	MAY 19	JUN 19	JUL 19	AUG 19	SEP 19	OCT 19	NOV 19	DEC 19	2019
1. Equivalent Availability Factor (%)	EAF	98.7	95.3	99.5	64.2	99.4	80.4	97.0	99.5	99.3				93.4
2. Period Hours	PH	744.0	672.0	744.0	720.0	744.0	720.0	744.0	744.0	720.0				6,552.0
3. Service Hours	SH	742.3	643.0	741.8	396.0	744.0	643.1	730.9	740.3	715.1				6,096.5
4. Reserve Shutdown Hours	RSH	0.0	0.0	0.0	66.5	0.0	0.0	1.0	0.0	0.0				67.5
5. Unavailable Hours	UH	1.7	29.0	2.2	257.5	0.0	76.9	12.1	3.7	4.9				388.0
6. Planned Outage Hours	POH	0.0	0.0	0.0	245.0	0.0	0.0	0.0	0.0	0.0				245.0
7. Forced Outage Hours	FOH	1.7	29.0	2.2	10.1	0.0	76.9	2.5	0.1	0.3				122.8
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	2.4	0.0	0.0	9.6	3.6	4.7				20.3
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	5.0	8.4	5.8	0.0	18.3	237.6	7.6	0.0	0.0				282.7
10b. Load Reduction Partial Forced (MW)	LRPF	34.0	298.6	97.0	0.0	138.0	125.2	124.9	0.0	0.0				129.0
11a. Partial Maintenance Outage Hours	PMOH	32.3	0.0	0.0	0.0	0.0	0.0	29.7	0.0	0.0				62.0
11b. Load Reduction Partial Maintenance (MW)	LRPM	300.0	0.0	0.0	0.0	0.0	0.0	125.0	0.0	0.0				216.1
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	4,703.9	2,665.0	3,704.2	1,627.1	3,689.5	3,213.4	4,270.8	4,669.9	4,373.8				32,917.5
14. Net Generation (MWH)	NETGEN	682,239.1	377,898.0	527,688.0	213,900.0	517,263.0	449,778.0	592,883.0	673,696.0	658,273.7				4,693,618.8
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	6,894.7	7,052.0	7,020.0	7,607.0	7,134.0	7,144.0	7,204.0	6,932.0	6,912.0				7,013.3
16. Net Output Factor (%)	NOF	76.6	49.0	59.1	50.6	65.5	58.9	75.1	85.3	86.3				69.5
17. Net Period Continuous Rating (MW)	NPC	1,200.0	1,200.0	1,200.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0	1,061.0				1,107.3
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-53.862) + 11,266												

Tampa Electric Company
Outage Listing
September 2019

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)	144	Reserve Shutdown	9/3/2019	0:24:00	9/3/2019	10:35:00	10:18	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	145	Reserve Shutdown	9/6/2019	22:22:00	9/7/2019	11:06:00	12:73	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	146	Reserve Shutdown	9/9/2019	23:22:00	9/10/2019	2:58:00	3:6	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	147	Maintenance Outage	9/10/2019	2:58:00	9/10/2019	10:08:00	7:17	3420	Feedwater piping	1A HP feed water line vent leak	N/A	156
BS CT1(A)	148	Reserve Shutdown	9/10/2019	10:08:00	9/10/2019	13:00:00	2:87	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	149	Reserve Shutdown	9/13/2019	1:24:00	9/13/2019	12:36:00	11:2	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	150	Reserve Shutdown	9/13/2019	20:53:00	9/14/2019	9:15:00	12:37	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	151	Reserve Shutdown	9/15/2019	18:11:00	9/16/2019	10:50:00	16:65	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	152	Reserve Shutdown	9/17/2019	22:07:00	9/18/2019	11:24:00	13:28	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	153	Reserve Shutdown	9/19/2019	8:51:00	9/20/2019	10:33:00	25:7	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	154	Reserve Shutdown	9/21/2019	22:27:00	9/22/2019	13:08:00	14:68	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	155	Reserve Shutdown	9/23/2019	23:24:00	9/24/2019	13:06:00	13:7	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	156	Reserve Shutdown	9/25/2019	1:03:00	9/25/2019	11:33:00	10:5	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	157	Unplanned (Forced) Outage - Immediate	9/25/2019	11:33:00	9/25/2019	19:50:00	8:28	4810	Generator output breaker	1A failed closing coil	N/A	156
BS CT1(A)	158	Reserve Shutdown	9/25/2019	19:50:00	9/26/2019	9:29:00	13:65	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	159	Reserve Shutdown	9/28/2019	0:21:00	9/28/2019	11:24:00	11:05	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	160	Reserve Shutdown	9/29/2019	1:51:00	9/29/2019	10:07:00	8:27	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	161	Reserve Shutdown	9/29/2019	23:49:00	9/30/2019	12:25:00	12:6	N/A	N/A	Reserve Shutdown	N/A	156
BS CT1(A)	162	Unplanned (Forced) Derating - Immediate	9/30/2019	13:33:00	9/30/2019	22:20:00	8:78	5041	Fuel piping and valves	Could not maintain fuel gas temperature at 320 deg F, had to	118	156
BS CT1(A)	163	Unplanned (Forced) Outage - Immediate	9/30/2019	22:20:00	9/30/2019	23:59:59	1:67	5041	Fuel piping and valves	Temperature too erratic, WOBE runback and tripped the unit	N/A	156

Tampa Electric Company
Outage Listing
September 2019

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)	85	Reserve Shutdown	9/2/2019	2:13:00	9/3/2019	13:57:00	35.73 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	86	Reserve Shutdown	9/6/2019	23:55:00	9/7/2019	12:37:00	12.7 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	100	Unplanned (Forced) Outage - Immediate	9/7/2019	12:37:00	9/8/2019	11:17:00	22.67	9320	Other miscellaneous extern	Pole top will not close	N/A	156
BS CT1(B)	88	Reserve Shutdown	9/8/2019	11:17:00	9/8/2019	12:16:00	0.98 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	89	Reserve Shutdown	9/8/2019	22:25:00	9/9/2019	5:43:00	7.3 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	90	Reserve Shutdown	9/12/2019	1:20:00	9/12/2019	12:05:00	10.75 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	91	Reserve Shutdown	9/15/2019	0:42:00	9/15/2019	12:27:00	11.75 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	92	Reserve Shutdown	9/16/2019	0:46:00	9/16/2019	12:16:00	11.5 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	93	Reserve Shutdown	9/17/2019	0:51:00	9/17/2019	12:47:00	11.93 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	94	Reserve Shutdown	9/18/2019	1:25:00	9/18/2019	14:11:00	12.77 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	95	Reserve Shutdown	9/19/2019	0:45:00	9/21/2019	11:29:00	58.73 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	96	Reserve Shutdown	9/22/2019	0:07:00	9/23/2019	5:38:00	29.52 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	97	Reserve Shutdown	9/26/2019	0:45:00	9/26/2019	12:55:00	12.17 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	98	Reserve Shutdown	9/28/2019	1:23:00	9/28/2019	11:56:00	10.55 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(B)	99	Reserve Shutdown	9/29/2019	3:28:00	9/29/2019	12:19:00	8.85 N/A	N/A		Reserve Shutdown	N/A	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)	75	Reserve Shutdown	9/1/2019	0:00:00	9/1/2019	12:03:00	12:05 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	76	Reserve Shutdown	9/1/2019	17:46:00	9/2/2019	10:46:00	17 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	77	Reserve Shutdown	9/3/2019	22:54:00	9/4/2019	6:50:00	7:93 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	91	Unplanned (Forced) Outage - Immediate	9/7/2019	22:11:00	9/8/2019	11:17:00	13.1	9320	Other miscellaneous external problems	Pole top needs maintenance	N/A	156
BS CT1(C)	80	Reserve Shutdown	9/8/2019	11:17:00	9/8/2019	15:59:00	4.7 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	81	Reserve Shutdown	9/9/2019	0:27:00	9/9/2019	12:01:00	11:57 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	82	Reserve Shutdown	9/10/2019	23:27:00	9/11/2019	13:29:00	14:03 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	83	Reserve Shutdown	9/12/2019	0:04:00	9/12/2019	10:42:00	10:63 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	84	Reserve Shutdown	9/14/2019	18:24:00	9/15/2019	11:26:00	17:03 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	85	Reserve Shutdown	9/16/2019	22:59:00	9/17/2019	7:14:00	8:25 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	86	Reserve Shutdown	9/18/2019	19:28:00	9/19/2019	6:48:00	11:33 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	87	Reserve Shutdown	9/21/2019	1:21:00	9/22/2019	0:00:00	22:65 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	88	Reserve Shutdown	9/22/2019	23:49:00	9/23/2019	15:40:00	15:85 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	89	Reserve Shutdown	9/27/2019	0:44:00	9/27/2019	13:49:00	13:08 N/A	N/A		Reserve Shutdown	N/A	156
BS CT1(C)	90	Reserve Shutdown	9/30/2019	21:38:00	9/30/2019	23:59:59	2:37 N/A	N/A		Reserve Shutdown	N/A	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	9/7/2019	12:37:00	9/7/2019	22:17:00	9.67	9320	Other miscellaneous external problems	ST1 Derated - 1B pole top will not close	154	233
BS ST 1	24	Unplanned (Forced) Derating - Immediate	9/7/2019	22:17:00	9/8/2019	11:17:00	13	9320	Other miscellaneous external problems	ST1 Derated - 1B and 1C pole top maintenance	75	233
BS ST 1	25	Maintenance Derating	9/10/2019	2:58:00	9/10/2019	10:08:00	7.17	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1A HP feed water line vent leak	154	233
BS ST 1	26	Unplanned (Forced) Derating - Immediate	9/25/2019	11:33:00	9/25/2019	19:50:00	8.28	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1A failed breaker closing coil	154	233
BS ST 1	27	Unplanned (Forced) Derating - Immediate	9/30/2019	22:20:00	9/30/2019	23:59:59	1.67	3999	Other miscellaneous balance of plant problems	ST1 derated - 1A fuel gas skid erratic temperature tripped the unit	217	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)	114	Reserve Shutdown	9/1/2019	0:00:00	9/1/2019	11:11:00	11.18	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	115	Reserve Shutdown	9/1/2019	16:14:00	9/2/2019	10:20:00	18.1	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	116	Reserve Shutdown	9/2/2019	22:22:00	9/3/2019	12:06:00	13.73	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	117	Reserve Shutdown	9/4/2019	0:00:00	9/4/2019	12:02:00	12.03	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	118	Reserve Shutdown	9/4/2019	21:30:00	9/5/2019	0:00:00	2.5	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	119	Maintenance Outage	9/5/2019	1:48:00	9/5/2019	10:26:00	8.63	3431	Other feedwater valves	2A feed water vent leak repair	N/A	156
BS CT2(A)	120	Reserve Shutdown	9/5/2019	23:29:00	9/6/2019	6:35:00	7.1	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	121	Reserve Shutdown	9/7/2019	0:54:00	9/7/2019	12:16:00	11.37	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	122	Reserve Shutdown	9/7/2019	23:45:00	9/8/2019	13:14:00	13.48	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	123	Reserve Shutdown	9/8/2019	23:16:00	9/9/2019	9:58:00	10.7	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	124	Reserve Shutdown	9/10/2019	1:10:00	9/10/2019	15:26:00	14.27	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	125	Reserve Shutdown	9/11/2019	1:51:00	9/11/2019	11:24:00	9.55	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	126	Reserve Shutdown	9/11/2019	23:21:00	9/12/2019	11:13:00	11.87	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	127	Reserve Shutdown	9/12/2019	22:28:00	9/13/2019	6:06:00	7.63	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	128	Reserve Shutdown	9/14/2019	0:44:00	9/14/2019	9:58:00	9.23	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	129	Reserve Shutdown	9/14/2019	23:32:00	9/15/2019	11:56:00	12.4	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	130	Reserve Shutdown	9/15/2019	20:38:00	9/16/2019	11:29:00	14.85	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	131	Reserve Shutdown	9/17/2019	0:05:00	9/17/2019	11:21:00	11.27	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	132	Reserve Shutdown	9/17/2019	23:40:00	9/18/2019	12:07:00	12.45	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	133	Reserve Shutdown	9/18/2019	23:35:00	9/20/2019	8:41:00	33.1	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	134	Reserve Shutdown	9/20/2019	22:18:00	9/22/2019	10:54:00	36.6	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	135	Reserve Shutdown	9/22/2019	21:47:00	9/23/2019	12:13:00	14.43	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	136	Reserve Shutdown	9/24/2019	0:37:00	9/24/2019	14:55:00	14.3	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	137	Reserve Shutdown	9/24/2019	23:54:00	9/25/2019	12:45:00	12.85	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	138	Reserve Shutdown	9/25/2019	23:34:00	9/26/2019	11:32:00	11.97	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	139	Reserve Shutdown	9/26/2019	22:12:00	9/27/2019	12:03:00	13.85	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	140	Reserve Shutdown	9/29/2019	0:38:00	9/29/2019	14:03:00	13.42	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(A)	141	Reserve Shutdown	9/29/2019	22:39:00	9/30/2019	10:55:00	12.27	N/A	N/A	Reserve Shutdown	N/A	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)	130	Reserve Shutdown	9/1/2019	0:00:00	9/1/2019	12:43:00	12.72	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	131	Reserve Shutdown	9/2/2019	0:33:00	9/2/2019	13:09:00	12.6	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	132	Reserve Shutdown	9/2/2019	23:25:00	9/3/2019	6:37:00	7.2	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	133	Reserve Shutdown	9/6/2019	0:30:00	9/6/2019	11:52:00	11.37	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	134	Reserve Shutdown	9/7/2019	1:57:00	9/7/2019	13:08:00	11.18	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	135	Reserve Shutdown	9/9/2019	1:50:00	9/9/2019	12:49:00	10.98	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	136	Reserve Shutdown	9/9/2019	21:28:00	9/10/2019	7:08:00	9.67	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	137	Reserve Shutdown	9/11/2019	0:36:00	9/11/2019	14:22:00	13.77	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	138	Reserve Shutdown	9/12/2019	0:27:00	9/12/2019	13:16:00	12.82	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	139	Reserve Shutdown	9/13/2019	0:05:00	9/13/2019	10:48:00	10.72	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	140	Reserve Shutdown	9/13/2019	23:18:00	9/16/2019	4:30:00	53.2	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	149	Maintenance Outage	9/16/2019	4:30:00	9/18/2019	22:00:00	65.5	3416	Other feedwater pump problems	28 Boiler Feed Pump Horizontal Joint Leak	N/A	156
BS CT2(B)	142	Reserve Shutdown	9/18/2019	22:00:00	9/19/2019	4:36:00	6.6	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	143	Reserve Shutdown	9/20/2019	1:01:00	9/20/2019	12:24:00	11.38	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	144	Reserve Shutdown	9/21/2019	20:49:00	9/22/2019	15:12:00	18.38	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	145	Reserve Shutdown	9/22/2019	22:39:00	9/24/2019	11:22:00	36.72	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	146	Reserve Shutdown	9/24/2019	23:02:00	9/25/2019	11:19:00	12.28	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	147	Reserve Shutdown	9/25/2019	22:15:00	9/26/2019	14:19:00	16.07	N/A	N/A	Reserve Shutdown	N/A	156
BS CT2(B)	148	Reserve Shutdown	9/28/2019	21:31:00	9/29/2019	10:57:00	13.43	N/A	N/A	Reserve Shutdown	N/A	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)	16	Reserve Shutdown	9/19/2019	22:04:00	9/21/2019	12:44:00	38.67	N/A	N/A	Reserve Shutdown	N/A	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)	26	Reserve Shutdown	9/12/2019	21:28:00	9/13/2019	12:07:00	14.65	N/A	N/A	Reserve Shutdown	N/A	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	25	Maintenance Derating	9/5/2019	1:48:00	9/5/2019	10:00:00	8.2	3999	Other miscellaneous balance of plant problems	ST2 derated - 2A feed water vent leak repair	228	305
BS ST 2	26	Maintenance Derating	9/16/2019	4:30:00	9/18/2019	22:00:00	65.5	3999	Other miscellaneous balance of plant problems	ST2 derated - 2B Boiler Feed Pump Horizontal Joint Leak	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
Polk 1	38	Reserve Shutdown	9/20/2019	9:36:00	9/30/2019	23:59:59	254.4 N/A	N/A	Reserve Shutdown		N/A	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 1 ST	37	Reserve Shutdown	9/20/2019	9:29:00	9/30/2019	23:59:59	254.52	N/A	N/A	Reserve Shutdown	N/A	85

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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	134	Reserve Shutdown	9/3/2019	21:47:00	9/4/2019	6:19:00	8.53	N/A	N/A	Reserve Shutdown	N/A	150
Polk 2	135	Reserve Shutdown	9/4/2019	7:32:00	9/4/2019	8:38:00	1.1	N/A	N/A	Reserve Shutdown	N/A	150
Polk 2	136	Reserve Shutdown	9/10/2019	22:36:00	9/11/2019	6:00:00	7.4	N/A	N/A	Reserve Shutdown	N/A	150
Polk 2	137	Reserve Shutdown	9/21/2019	0:47:00	9/21/2019	10:53:00	10.1	N/A	N/A	Reserve Shutdown	N/A	150
Polk 2	138	Reserve Shutdown	9/27/2019	22:49:00	9/28/2019	10:46:00	11.95	N/A	N/A	Reserve Shutdown	N/A	150
Polk 2	139	Reserve Shutdown	9/28/2019	10:56:00	9/28/2019	11:54:00	0.97	N/A	N/A	Reserve Shutdown	N/A	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	16	Unplanned (Forced) Outage - Immediate	9/14/2019	10:46:00	9/14/2019	11:34:00	0.8	4260	Main stop valves	Main steam stop valve test is performed once every month without consequence with CT2	N/A	461
Polk 2 ST	2	Unplanned (Forced) Derating - Immediate	2/1/2019	9:52:00	2/1/2019	17:19:00	7.45	3310	Condensate/hotwell pumps	Lost power to Feedwater Pump electrical bus	355	480
Polk 2 ST	3	Unplanned (Forced) Outage - Immediate	2/14/2019	18:47:00	2/16/2019	0:00:00	29.22	3330	Condensate valves	The Hotwell emergency level controller swapped to manual preventing proper operation	N/A	480
Polk 2 ST	4	Unplanned (Forced) Derating - Immediate	2/26/2019	5:27:00	2/26/2019	6:24:00	0.95	3999	Other miscellaneous balance of plant problem:	Hot Reheat Outlet Temperature High Temperature rolled damper tripped GTG	334	480
Polk 2 ST	5	Unplanned (Forced) Derating - Immediate	3/1/2019	23:03:00	3/2/2019	12:15:00	13.2	3999	Other miscellaneous balance of plant problem:	CT2 tripped. Compressor bleed valve failed to open.	385	480
Polk 2 ST	6	Unplanned (Forced) Derating - Immediate	3/7/2019	11:27:00	3/7/2019	12:45:00	1.3	3999	Other miscellaneous balance of plant problem:	CT2 bad point on a DCS card. Bypass damper closed shutting down the HRSG. CT2 run on	364	480

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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	83	Reserve Shutdown	9/5/2019	0:42:00	9/5/2019	7:32:00	6.83	N/A	N/A	Reserve Shutdown	N/A	150
Polk 3	84	Reserve Shutdown	9/11/2019	22:25:00	9/11/2019	23:21:00	0.93	N/A	N/A	Reserve Shutdown	N/A	150
Polk 3	85	Reserve Shutdown	9/14/2019	12:48:00	9/14/2019	13:48:00	1	N/A	N/A		N/A	150
Polk 3	86	Reserve Shutdown	9/19/2019	3:28:00	9/19/2019	12:44:00	9.27	N/A	N/A		N/A	150
Polk 3	87	Reserve Shutdown	9/24/2019	22:39:00	9/25/2019	5:45:00	7.1	N/A	N/A	Reserve Shutdown	N/A	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	126	Reserve Shutdown	9/8/2019	1:48:00	9/8/2019	10:04:00	8.27	N/A	N/A	Reserve Shutdown	N/A	150
Polk 4	129	Maintenance Outage	9/13/2019	18:29:00	9/14/2019	11:55:00	17.43	4520	Stator windings, bushings, and t	Completed brush maintenance and made repairs to Hot Reheat Valve PV 202 position feedb	N/A	150
Polk 4	128	Reserve Shutdown	9/23/2019	1:13:00	9/23/2019	11:29:00	10.27	N/A	N/A	Reserve Shutdown	N/A	150
Polk 4	130	Maintenance Outage	9/26/2019	23:38:00	9/27/2019	14:28:00	14.83	560	Other reheat steam valves (not	Made repairs on the cold reheat header isolation valve. Also retorqued CRH-FC-158 flan	N/A	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	78	Reserve Shutdown	9/1/2019	19:42:00	9/2/2019	5:28:00	9.77	N/A	N/A	Reserve Shutdown	N/A	150
Polk 5	79	Reserve Shutdown	9/22/2019	1:42:00	9/22/2019	10:02:00	8.33	N/A	N/A	Reserve Shutdown	N/A	150