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March 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 February, 2019.

Thank you for your assistance in connection with this matter.

Sincerely,



Malcolm 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 March 2019 to the following:

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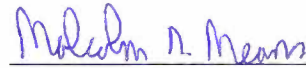
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ATTORNEY

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 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	
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											94.2
2. Period Hours	PH	744.0	672.0											1,416.0
3. Service Hours	SH	744.0	597.1											1,341.100
4. Reserve Shutdown Hours	RSH	0.0	0.0											0.0
5. Unavailable Hours	UH	0.0	74.9											74.9
6. Planned Outage Hours	POH	0.0	74.9											74.9000
7. Forced Outage Hours	FOH	0.0	0.0											0.0
8. Maintenance Outage Hours	MOH	0.0	0.0											0.0
9a. Partial Planned Outage Hours	PPOH	0.0	48.5											48.5
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	117.4											117.4
10a. Partial Forced Outage Hours	PFOH	2.1	0.0											2.100
10b. Load Reduction Partial Forced (MW)	LRPF	263.8	0.0											263.8
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0											0.0
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0											0.0
12. Net Summer Continuous Rating (MW)	NSC	701.0	701.0											701.0
13. Operating British Thermal Units (GBTU)	OPR BTU	2,153.7	1,975.7											4,129.4
14. Net Generation (MWH)	NETGEN	281,105.8	268,363.3											549,469.1
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,661.4	7,362.0											7,515.2
16. Net Output Factor (%)	NOF	47.7	56.8											51.7
17. Net Period Continuous Rating (MW)	NPC	792.0	792.0											792.0
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:	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											56.1
2. Period Hours	PH	744.0	672.0											1,416.0
3. Service Hours	SH	241.8	594.0											835.8
4. Reserve Shutdown Hours	RSH	24.0	0.0											24.0
5. Unavailable Hours	UH	478.2	78.0											556.2
6. Planned Outage Hours	POH	445.0	58.0											503.0
7. Forced Outage Hours	FOH	33.2	0.0											33.2
8. Maintenance Outage Hours	MOH	0.0	20.0											20.2
9a. Partial Planned Outage Hours	PPOH	0.0	0.0											0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0											0.0
10a. Partial Forced Outage Hours	PFOH	0.7	383.8											384.5
10b. Load Reduction Partial Forced (MW)	LRPF	261.8	138.4											138.6
11a. Partial Maintenance Outage Hours	PMOH	59.9	0.0											59.9
11b. Load Reduction Partial Maintenance (MW)	LRPM	261.8	0.0											261.8
12. Net Summer Continuous Rating (MW)	NSC	929.0	929.0											929.0
13. Operating British Thermal Units (GBTU)	OPR BTU	661.3	2,265.6											2,926.9
14. Net Generation (MWH)	NETGEN	80,708.2	305,544.7											386,252.9
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,193.5	7,415.0											7,577.6
16. Net Output Factor (%)	NOF	31.9	49.1											44.1
17. Net Period Continuous Rating (MW)	NPC	1,047.0	1,047.0											1,047.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-6.673) + 7,965												

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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											40.8
2. Period Hours	PH	744.0	672.0											1,416.0
3. Service Hours	SH	192.7	53.0											245.7
4. Reserve Shutdown Hours	RSH	322.9	0.0											322.9
5. Unavailable Hours	UH	213.9	539.6											753.5
6. Planned Outage Hours	POH	0.0	0.0											0.0
7. Forced Outage Hours	FOH	19.6	539.6											559.2
8. Maintenance Outage Hours	MOH	208.8	0.0											208.8
9a. Partial Planned Outage Hours	PPOH	744.0	493.0											1,237.0
9b. Load Reduction Partial Planned (MW)	LRPP	20.0	5.0											14.0
10a. Partial Forced Outage Hours	PFOH	0.0	0.0											0.0
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0											0.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0											0.0
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0											0.0
12. Net Summer Continuous Rating (MW)	NSC	220.0	220.0											220.0
13. Operating British Thermal Units (GBTU)	OPR BTU	247.0	62.5											309.5
14. Net Generation (MWH)	NETGEN	23,968.3	4,295.0											28,263.3
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	10,304.7	14,559.0											10,950.0
16. Net Output Factor (%)	NOF	50.8	32.9											47.0
17. Net Period Continuous Rating (MW)	NPC	245.0	245.0											245.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-7.778) + 10,842												



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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
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											97.1
2. Period Hours	PH	744.0	672.0											1,416.0
3. Service Hours	SH	742.3	643.0											1,385.3
4. Reserve Shutdown Hours	RSH	0.0	0.0											0.0
5. Unavailable Hours	UH	1.7	29.0											30.7
6. Planned Outage Hours	POH	0.0	0.0											0.0
7. Forced Outage Hours	FOH	1.7	29.0											30.7
8. Maintenance Outage Hours	MOH	0.0	0.0											0.0
9a. Partial Planned Outage Hours	PPOH	0.0	0.0											0.0
9b. Load Reduction Partial Planned (MW)	LRPP	0.0	0.0											0.0
10a. Partial Forced Outage Hours	PFOH	5.0	8.4											13.4
10b. Load Reduction Partial Forced (MW)	LRPF	34.0	298.6											199.9
11a. Partial Maintenance Outage Hours	PMOH	32.3	0.0											32.3
11b. Load Reduction Partial Maintenance (MW)	LRPM	300.0	0.0											300.0
12. Net Summer Continuous Rating (MW)	NSC	1,061.0	1,061.0											1,061.0
13. Operating British Thermal Units (GBTU)	OPR BTU	4,703.9	2,665.0											7,368.9
14. Net Generation (MWH)	NETGEN	682,239.1	377,898.0											1,060,137.1
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	6,894.7	7,052.0											6,950.9
16. Net Output Factor (%)	NOF	76.6	49.0											63.8
17. Net Period Continuous Rating (MW)	NPC	1,200.0	1,200.0											1,200.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-53.862) + 11,266												

**Tampa Electric Company
Outage Listing
February 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)	16	Reserve Shutdown	2/1/2019	0:00:00	2/1/2019	13:50:00	13.83	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(A)	17	Reserve Shutdown	2/2/2019	21:24:00	2/3/2019	9:21:00	11.95	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(A)	18	Reserve Shutdown	2/5/2019	9:34:00	2/5/2019	17:12:00	7.63	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(A)	19	Reserve Shutdown	2/6/2019	20:44:00	2/7/2019	5:55:00	9.18	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(A)	20	Reserve Shutdown	2/7/2019	20:20:00	2/8/2019	5:31:00	9.18	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(A)	21	Reserve Shutdown	2/8/2019	23:07:00	2/9/2019	13:26:00	14.32	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(A)	22	Reserve Shutdown	2/9/2019	23:56:00	2/10/2019	13:18:00	13.37	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(A)	23	Reserve Shutdown	2/16/2019	20:53:00	2/17/2019	5:55:00	9.03	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(A)	24	Reserve Shutdown	2/23/2019	2:38:00	2/23/2019	11:28:00	8.83	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(A)	25	Planned Outage	2/23/2019	20:37:00	2/28/2019	23:59:00	123.37	5274	General unit inspection	Spring Major Outage	N/A	183
BS CT1(A)	26	Reserve Shutdown	2/28/2019	23:59:00	2/28/2019	23:59:59	0.02	N/A	N/A	Reserve Shutdown	N/A	183

Tampa Electric Company
Outage Listing
February 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)	16	Reserve Shutdown	2/1/2019	0:00:00	2/1/2019	5:14:00	5.23	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	17	Reserve Shutdown	2/1/2019	21:24:00	2/5/2019	5:41:00	80.28	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	18	Reserve Shutdown	2/5/2019	21:17:00	2/6/2019	16:50:00	19.55	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	19	Reserve Shutdown	2/6/2019	22:16:00	2/7/2019	15:53:00	17.62	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	20	Reserve Shutdown	2/7/2019	22:41:00	2/8/2019	12:33:00	13.87	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	21	Reserve Shutdown	2/9/2019	22:21:00	2/10/2019	8:49:00	10.47	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	22	Reserve Shutdown	2/16/2019	23:30:00	2/17/2019	8:06:00	8.6	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	23	Reserve Shutdown	2/18/2019	21:09:00	2/19/2019	6:10:00	9.02	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	24	Reserve Shutdown	2/22/2019	23:26:00	2/23/2019	9:20:00	9.9	N\A	N\A	Reserve Shutdown	N\A	183
BS CT1(B)	25	Planned Outage	2/24/2019	21:35:00	2/28/2019	23:59:59	98.42	5274	General unit inspection	Planned major spring outage	N\A	183

Tampa Electric Company
Outage Listing
February 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(C)	18	Reserve Shutdown	2/1/2019	9:00:00	2/2/2019	12:11:00	27.18	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(C)	19	Reserve Shutdown	2/3/2019	17:04:00	2/5/2019	15:15:00	46.18	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(C)	20	Reserve Shutdown	2/5/2019	22:10:00	2/6/2019	14:13:00	16.05	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(C)	21	Reserve Shutdown	2/10/2019	23:00:00	2/11/2019	10:32:00	11.53	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(C)	22	Reserve Shutdown	2/21/2019	0:10:00	2/21/2019	6:58:00	6.8	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(C)	23	Reserve Shutdown	2/21/2019	22:10:00	2/22/2019	5:54:00	7.73	N/A	N/A	Reserve Shutdown	N/A	183
BS CT1(C)	24	Planned Outage	2/25/2019	21:08:00	2/28/2019	23:59:59	74.87	5274	General unit inspection	Planned major spring outage	N/A	183

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Tampa Electric Company
Outage Listing
February 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 ST 1	3	Maintenance Derating	2/23/2019	20:37:00	2/24/2019	21:35:00	24.97	3999	Other miscellaneous balance of plant problems	1A CT cycled off for the major spring outage	164	243
BS ST 1	4	Maintenance Derating	2/24/2019	21:35:00	2/25/2019	21:08:00	23.55	3999	Other miscellaneous balance of plant problems	1A and 1B CT cycled off for the major spring outage	85	243
BS ST 1	5	Reserve Shutdown	2/25/2019	21:05:00	2/25/2019	21:08:00	0.05	N/A	N/A	Reserve Shutdown	N/A	243
BS ST 1	6	Planned Outage	2/25/2019	21:08:00	2/28/2019	23:59:59	74.87	3999	Other miscellaneous balance of plant problems	Planned spring major outage	N/A	243

Tampa Electric Company
Outage Listing
February 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 CT2(A)	10	Planned Outage	2/1/2019	0:00:00	2/7/2019	12:53:00	156.88	3999	Other miscellaneous balance of plant problems	Planned Spring Outage	N/A	183
BS CT2(A)	11	Reserve Shutdown	2/7/2019	23:41:00	2/8/2019	7:02:00	7.35	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(A)	12	Maintenance Outage	2/16/2019	0:05:00	2/16/2019	20:21:00	20.27	3839	Other auxiliary steam problems	Drain line leak on the main header.	N/A	183
BS CT2(A)	13	Maintenance Outage	2/16/2019	20:21:00	2/20/2019	23:15:00	98.9	4899	Other miscellaneous generator problems	2A CT bad DGP relay.	N/A	183
BS CT2(A)	14	Reserve Shutdown	2/20/2019	23:15:00	2/21/2019	5:49:00	6.57	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(A)	15	Reserve Shutdown	2/22/2019	22:08:00	2/23/2019	8:13:00	10.08	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(A)	16	Reserve Shutdown	2/23/2019	21:42:00	2/24/2019	8:22:00	10.67	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(A)	17	Reserve Shutdown	2/24/2019	23:34:00	2/25/2019	6:43:00	7.15	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(A)	18	Reserve Shutdown	2/25/2019	22:31:00	2/26/2019	2:59:00	4.47	N/A	N/A	Reserve Shutdown	N/A	183

Tampa Electric Company
 Outage Listing
 February 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 CT2(B)	7	Planned Outage	2/1/2019	0:00:00	2/7/2019	12:53:00	156.88	3999	Other miscellaneous balance of plant problems	Planned Spring Outage	N/A	183
BS CT2(B)	8	Reserve Shutdown	2/9/2019	19:46:00	2/10/2019	6:43:00	10.95	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	9	Reserve Shutdown	2/14/2019	10:14:00	2/14/2019	17:12:00	6.97	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	10	Reserve Shutdown	2/15/2019	22:48:00	2/16/2019	0:07:00	1.32	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	11	Maintenance Outage	2/16/2019	0:07:00	2/16/2019	15:59:00	15.87	3839	Other auxiliary steam problems	Main header drain leak.	N/A	183
BS CT2(B)	12	Reserve Shutdown	2/17/2019	22:22:00	2/18/2019	6:32:00	8.17	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	13	Reserve Shutdown	2/21/2019	23:42:00	2/22/2019	10:35:00	10.88	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	14	Reserve Shutdown	2/23/2019	0:28:00	2/23/2019	10:10:00	9.7	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	15	Reserve Shutdown	2/24/2019	0:37:00	2/24/2019	11:21:00	10.73	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(B)	16	Reserve Shutdown	2/25/2019	0:36:00	2/25/2019	7:59:00	7.38	N/A	N/A	Reserve Shutdown	N/A	183

Tampa Electric Company
Outage Listing
February 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 CT2(C)	6	Planned Outage	2/1/2019	0:00:00	2/1/2019	3:12:00	3.2	3999	Other miscellaneous balance of plant problems	Planned Spring Outage	N/A	183
BS CT2(C)	7	Reserve Shutdown	2/1/2019	16:08:00	2/5/2019	6:46:00	86.63	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(C)	8	Reserve Shutdown	2/7/2019	21:44:00	2/8/2019	6:05:00	8.35	N/A	N/A	Reserve Shutdown	N/A	183
BS CT2(C)	9	Planned Outage	2/8/2019	6:05:00	2/17/2019	10:28:00	220.38	5120	Hydraulic oil system	Planned spring outage.	N/A	183

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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)	8	Reserve Shutdown	2/1/2019	0:00:00	2/1/2019	2:01:00	2:02	N/A N/A		Reserve Shutdown	N/A	183
BS CT2(D)	9	Reserve Shutdown	2/1/2019	2:15:00	2/3/2019	5:06:00	50:85	N/A N/A		Reserve Shutdown	N/A	183
BS CT2(D)	10	Planned Outage	2/8/2019	6:05:00	2/17/2019	6:39:00	216:57	5120	Hydraulic oil system	Planned Spring outage.	N/A	183

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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	5	Planned Outage	2/1/2019	0:00:00	2/1/2019	14:12:00	14.2	3999	Other miscellaneous balance of plant problems	Planned spring outage	N/A	315
BS ST 2	6	Startup Failure	2/1/2019	14:12:00	2/1/2019	18:35:00	4.38	4499	Other miscellaneous steam turbine problems	2ST #1 and #3 bearing vibration	N/A	315
BS ST 2	7	Reserve Shutdown	2/1/2019	18:35:00	2/3/2019	10:01:00	39.43	N/A	N/A	Reserve Shutdown	N/A	315
BS ST 2	8	Maintenance Derating	2/3/2019	10:01:00	2/7/2019	10:26:00	96.42	3999	Other miscellaneous balance of plant problems	2ST Derated - 2A and 2B CT spring outage	161	315
BS ST 2	9	Maintenance Derating	2/7/2019	10:26:00	2/7/2019	12:53:00	2.45	3999	Other miscellaneous balance of plant problems	2ST Derated - 2B CT spring outage	238	315
BS ST 2	10	Maintenance Derating	2/8/2019	6:05:00	2/16/2019	0:07:00	186.03	3999	Other miscellaneous balance of plant problems	2ST Derated - 2C and 2D CT spring outage.	161	315
BS ST 2	11	Maintenance Outage	2/16/2019	0:07:00	2/16/2019	20:21:00	20.23	3839	Other auxiliary steam problems	2ST outage - steam drain line leak	N/A	315
BS ST 2	12	Maintenance Derating	2/16/2019	20:21:00	2/17/2019	6:39:00	10.3	3999	Other miscellaneous balance of plant problems	2ST Derated - 2C and 2D spring outage; 2A relay replacement	84	315
BS ST 2	13	Maintenance Derating	2/17/2019	6:39:00	2/17/2019	9:24:00	2.75	3999	Other miscellaneous balance of plant problems	2ST derated - 2C spring outage, 2A relay replacement	161	315
BS ST 2	14	Maintenance Derating	2/17/2019	9:24:00	2/20/2019	23:15:00	85.85	3999	Other miscellaneous balance of plant problems	2ST Derated - 2A replay replacement	238	315

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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	1	Planned Derating	2/1/2019	0:00:00	2/21/2019	13:00:00	493	9160	Other economic problems	Gasification outage due to economics. Solid Fuel prices higher than natural gas. Conti	115	157
Polk 1	11	Startup Failure	2/1/2019	0:00:00	2/22/2019	16:55:00	520.92	4700	Generator voltage control	GTG1 tripped on reverse energization. The 230kV yard breakers open as unit failed to l	N/A	157
Polk 1	12	Maintenance Derating	2/21/2019	13:00:00	2/28/2019	23:59:59	179	3999	Other miscellaneous balance of plant problems	Gasification in Reserve Shutdown	142	157
Polk 1	13	Unplanned (Forced) Outage - Immediate	2/23/2019	9:51:00	2/23/2019	20:00:00	10.15	4609	Other exciter problems	Exciter had indication of a ground.	N/A	157
Polk 1	14	Reserve Shutdown	2/23/2019	20:00:00	2/27/2019	10:11:00	86.18	N/A	N/A	Reserve Shutdown	N/A	157
Polk 1	15	Unplanned (Forced) Outage - Immediate	2/27/2019	10:38:00	2/27/2019	19:12:00	8.57	5019	Other high pressure problems	Contacting operating properly, failed with pitted contacts	N/A	157

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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	1	Planned Derating	2/1/2019	0:00:00	2/21/2019	13:00:00	493	9160	Other economic problems	Gasification outage due to economics. Solid fuel prices higher than natural gas	200	85
Polk 1 ST	9	Maintenance Outage	2/1/2019	0:00:00	2/22/2019	16:56:00	520.93	3999	Other miscellaneous balance o	GTG1 tripped on reverse energization. The 230kV yard breakers open as unit failed to l	N/A	85
Polk 1 ST	10	Planned Derating	2/21/2019	13:00:00	2/28/2019	23:59:59	179	9160	Other economic problems	Gasification outage due to economics. Solid fuel prices higher than natural gas	20	85
Polk 1 ST	11	Reserve Shutdown	2/23/2019	9:51:00	2/23/2019	20:00:00	10.15	3999	Other miscellaneous balance o	Indication and troubleshooting for an exciter ground	N/A	85
Polk 1 ST	12	Reserve Shutdown	2/23/2019	20:00:00	2/27/2019	10:11:00	86.18	N/A	N/A	Reserve Shutdown	N/A	85
Polk 1 ST	13	Reserve Shutdown	2/27/2019	10:39:00	2/27/2019	19:12:00	8.55	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	6	Reserve Shutdown	2/1/2019	10:39:00	2/1/2019	17:19:00	6.67	N/A	N/A	Reserve Shutdown	N/A	180
Polk 2	7	Reserve Shutdown	2/4/2019	22:07:00	2/11/2019	14:06:00	159.98	N/A	N/A	Reserve Shutdown	N/A	180
Polk 2	8	Reserve Shutdown	2/12/2019	23:47:00	2/14/2019	4:50:00	29.05	N/A	N/A	Reserve Shutdown	N/A	180
Polk 2	9	Reserve Shutdown	2/14/2019	23:00:00	2/16/2019	4:28:00	29.47	N/A	N/A	Reserve Shutdown	N/A	180
Polk 2	10	Reserve Shutdown	2/21/2019	19:42:00	2/22/2019	13:54:00	18.2	N/A	N/A	Reserve Shutdown	N/A	180
Polk 2	11	Reserve Shutdown	2/24/2019	18:09:00	2/26/2019	4:32:00	34.38	N/A	N/A	Reserve Shutdown	N/A	180
Polk 2	12	Unplanned (Forced) Outage - Immediate	2/26/2019	5:27:00	2/26/2019	6:24:00	0.95	560	Other reheat steam valves (no	Hot Reheat Outlet Temperature High Temperature rolled damper tripped GTG	N/A	180

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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	6	Reserve Shutdown	2/3/2019	23:41:00	2/4/2019	7:50:00	8.15	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	7	Reserve Shutdown	2/5/2019	23:36:00	2/6/2019	6:08:00	6.53	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	8	Reserve Shutdown	2/11/2019	22:11:00	2/12/2019	10:58:00	12.78	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	9	Reserve Shutdown	2/14/2019	9:18:00	2/14/2019	20:39:00	11.35	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	10	Reserve Shutdown	2/14/2019	21:33:00	2/15/2019	14:10:00	16.62	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	11	Startup Failure	2/15/2019	14:10:00	2/15/2019	18:00:00	3.83	4700	Generator voltage control	Disconnect switches not functioning properly. Required calibration/replacement.	N/A	180
Polk 3	12	Reserve Shutdown	2/15/2019	18:00:00	2/16/2019	9:50:00	15.83	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	13	Reserve Shutdown	2/17/2019	1:43:00	2/17/2019	12:48:00	11.08	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	14	Reserve Shutdown	2/17/2019	19:53:00	2/18/2019	9:28:00	13.58	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	15	Reserve Shutdown	2/18/2019	22:32:00	2/19/2019	12:21:00	13.82	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	16	Reserve Shutdown	2/19/2019	21:45:00	2/20/2019	7:42:00	9.95	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	17	Reserve Shutdown	2/20/2019	21:48:00	2/21/2019	12:56:00	15.13	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	18	Reserve Shutdown	2/22/2019	19:31:00	2/23/2019	14:44:00	19.22	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	19	Reserve Shutdown	2/23/2019	17:45:00	2/24/2019	12:01:00	18.27	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	20	Reserve Shutdown	2/26/2019	21:58:00	2/27/2019	5:40:00	7.7	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	21	Reserve Shutdown	2/27/2019	21:29:00	2/28/2019	8:45:00	11.27	N/A	N/A	Reserve Shutdown	N/A	180
Polk 3	22	Reserve Shutdown	2/28/2019	22:01:00	2/28/2019	23:59:59	1.98	N/A	N/A	Reserve Shutdown	N/A	180

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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	4	Reserve Shutdown	2/1/2019	23:17:00	2/2/2019	7:50:00	8.55	N/A	N/A	Reserve Shutdown	N/A	180
Polk 4	5	Reserve Shutdown	2/2/2019	23:26:00	2/3/2019	8:27:00	9.02	N/A	N/A	Reserve Shutdown	N/A	180
Polk 4	6	Reserve Shutdown	2/3/2019	21:46:00	2/4/2019	5:59:00	8.22	N/A	N/A	Reserve Shutdown	N/A	180
Polk 4	7	Reserve Shutdown	2/4/2019	23:18:00	2/11/2019	10:32:00	155.23	N/A	N/A	Reserve Shutdown	N/A	180
Polk 4	8	Reserve Shutdown	2/12/2019	21:28:00	2/14/2019	5:25:00	31.95	N/A	N/A	Reserve Shutdown	N/A	180
Polk 4	9	Startup Failure	2/14/2019	5:25:00	2/14/2019	9:00:00	3.58	5160	Cooling and seal air system	Compressor Bleed valve failed to operate on start-up.	N/A	180
Polk 4	10	Reserve Shutdown	2/14/2019	9:00:00	2/14/2019	17:13:00	8.22	N/A	N/A	Reserve Shutdown	N/A	180
Polk 4	11	Reserve Shutdown	2/14/2019	22:25:00	2/15/2019	14:20:00	15.92	N/A	N/A	Reserve Shutdown	N/A	180
Polk 4	12	Reserve Shutdown	2/15/2019	21:06:00	2/16/2019	15:37:00	18.52	N/A	N/A	Reserve Shutdown	N/A	180
Polk 4	13	Reserve Shutdown	2/17/2019	7:49:00	2/17/2019	16:14:00	8.42	N/A	N/A	Reserve Shutdown	N/A	180
Polk 4	14	Reserve Shutdown	2/22/2019	20:43:00	2/23/2019	16:12:00	19.48	N/A	N/A	Reserve Shutdown	N/A	180
Polk 4	15	Reserve Shutdown	2/24/2019	20:18:00	2/26/2019	10:42:00	38.4	N/A	N/A	Reserve Shutdown	N/A	180

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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	4	Reserve Shutdown	2/11/2019	21:16:00	2/12/2019	14:12:00	16.93	N/A	N/A	Reserve Shutdown	N/A	180
Polk 5	5	Reserve Shutdown	2/14/2019	22:01:00	2/15/2019	21:39:00	23.63	N/A	N/A	Reserve Shutdown	N/A	180
Polk 5	6	Reserve Shutdown	2/17/2019	20:52:00	2/18/2019	12:13:00	15.35	N/A	N/A	Reserve Shutdown	N/A	180
Polk 5	7	Reserve Shutdown	2/18/2019	23:14:00	2/19/2019	13:58:00	14.73	N/A	N/A	Reserve Shutdown	N/A	180
Polk 5	8	Reserve Shutdown	2/19/2019	22:46:00	2/20/2019	10:50:00	12.07	N/A	N/A	Reserve Shutdown	N/A	180
Polk 5	9	Reserve Shutdown	2/20/2019	22:39:00	2/22/2019	10:45:00	36.1	N/A	N/A	Reserve Shutdown	N/A	180
Polk 5	10	Reserve Shutdown	2/23/2019	19:35:00	2/24/2019	14:07:00	18.53	N/A	N/A	Reserve Shutdown	N/A	180
Polk 5	11	Reserve Shutdown	2/26/2019	23:08:00	2/27/2019	11:12:00	12.07	N/A	N/A	Reserve Shutdown	N/A	180
Polk 5	12	Reserve Shutdown	2/27/2019	22:33:00	2/28/2019	13:57:00	15.4	N/A	N/A	Reserve Shutdown	N/A	180
Polk 5	13	Reserve Shutdown	2/28/2019	22:57:00	2/28/2019	23:59:59	1.05	N/A	N/A	Reserve Shutdown	N/A	180

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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 problems	Hot Reheat Outlet Temperature High Temperature rolled damper tripped GTG	334	480