

# AUSLEY McMULLEN

ATTORNEYS AND COUNSELORS AT LAW

123 SOUTH CALHOUN STREET  
P.O. BOX 391 (ZIP 32302)  
TALLAHASSEE, FLORIDA 32301  
(850) 224-9115 FAX (850) 222-7560

September 25, 2020

## **ELECTRONIC FILING**

Mr. Adam J. Teitzman, Commission Clerk  
Office of Commission Clerk  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, Florida 32399-0850

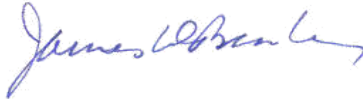
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance  
Incentive Factor; FPSC Docket No. 20200001-EI

Dear Mr. Teitzman:

Attached for filing in the above docket are Tampa Electric Company's GPIF Actual Unit  
Performance Data Schedules for the month of August 2020.

Thank you for your assistance in connection with this matter.

Sincerely,



James D. Beasley

JDB/ne

Attachment

cc: All parties of record (w/attachment)

## CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Schedules, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 25th day of September 2020 to the following:

Ms. Suzanne Brownless  
Office of the General Counsel  
Florida Public Service Commission  
2540 Shumard Oak Boulevard  
Tallahassee, FL 32399-0850  
[sbrownle@psc.state.fl.us](mailto:sbrownle@psc.state.fl.us)

Ms. Patricia A. Christensen  
Associate Public Counsel  
Office of Public Counsel  
111 West Madison Street – Room 812  
Tallahassee, FL 32399-1400  
[christensen.patty@leg.state.fl.us](mailto:christensen.patty@leg.state.fl.us)

Ms. Dianne M. Triplett  
Duke Energy Florida  
299 First Avenue North  
St. Petersburg, FL 33701  
[Dianne.triplett@duke-energy.com](mailto:Dianne.triplett@duke-energy.com)  
[FLRegulatoryLegal@duke-energy.com](mailto:FLRegulatoryLegal@duke-energy.com)

Mr. Matthew R. Bernier  
Senior Counsel  
Duke Energy Florida  
106 East College Avenue, Suite 800  
Tallahassee, FL 32301-7740  
[Matthew.bernier@duke-energy.com](mailto:Matthew.bernier@duke-energy.com)

Mr. Jon C Moyle, Jr.  
Moyle Law Firm  
118 North Gadsden Street  
Tallahassee, FL 32301  
[jmoyle@moylelaw.com](mailto:jmoyle@moylelaw.com)  
[mqualls@moylelaw.com](mailto:mqualls@moylelaw.com)

Mr. Steven R. Griffin  
Beggs & Lane  
P.O. Box 12950  
Pensacola FL 32591  
[srg@beggslane.com](mailto:srg@beggslane.com)

Ms. Beth Keating  
Gunster, Yoakley & Stewart, P.A.  
215 S. Monroe St., Suite 601  
Tallahassee, FL 32301  
[bkeating@gunster.com](mailto:bkeating@gunster.com)

Maria Moncada  
David M. Lee  
Florida Power & Light Company  
700 Universe Boulevard  
Juno Beach, FL 33408-0420  
[maria.moncada@fpl.com](mailto:maria.moncada@fpl.com)  
[david.lee@fpl.com](mailto:david.lee@fpl.com)

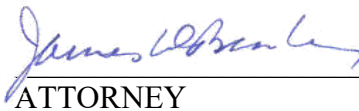
Mr. Kenneth Hoffman  
Vice President, Regulatory Relations  
Florida Power & Light Company  
215 South Monroe Street, Suite 810  
Tallahassee, FL 32301-1859  
[ken.hoffman@fpl.com](mailto:ken.hoffman@fpl.com)

Mr. Mike Cassel  
Regulatory and Governmental Affairs  
Florida Public Utilities Company  
Florida Division of Chesapeake Utilities Corp.  
1750 SW 14th Street, Suite 200  
Fernandina Beach, FL 32034  
[mcassel@fpuc.com](mailto:mcassel@fpuc.com)

Mr. Russell A. Badders  
Vice President & Associate General Counsel  
Gulf Power Company  
One Energy Place  
Pensacola FL 32520  
[russell.badders@nexteranergy.com](mailto:russell.badders@nexteranergy.com)

Mr. Robert Scheffel Wright  
Mr. John T. LaVia, III  
Gardner, Bist, Wiener, Wadsworth,  
Bowden, Bush, Dee, LaVia & Wright, P.A.  
1300 Thomaswood Drive  
Tallahassee, FL 32308  
[Schef@gbwlegal.com](mailto:Schef@gbwlegal.com)  
[Jlavia@gbwlegal.com](mailto:Jlavia@gbwlegal.com)

Mr. James W. Brew  
Ms. Laura W. Baker  
Stone Mattheis Xenopoulos & Brew, PC  
1025 Thomas Jefferson Street, NW  
Eighth Floor, West Tower  
Washington, D.C. 20007-5201  
[jbrew@smxblaw.com](mailto:jbrew@smxblaw.com)  
[lwb@smxblaw.com](mailto:lwb@smxblaw.com)

  
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ATTORNEY

ORIGINAL SHEET NO. 8.401.19A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2020 - DECEMBER 2020

PLANT/UNIT		MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	PERIOD	
BAYSIDE 1		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020
1. Equivalent Availability Factor (%)	EAF	99.1	88.3	48.0	99.9	97.3	98.7	91.4	98.6					90.4
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0					5,855.0
3. Service Hours	SH	739.2	480.7	348.7	717.4	730.6	713.9	681.0	744.0					5,155.5
4. Reserve Shutdown Hours	RSH	0.0	142.0	10.1	1.7	0.0	0.0	0.0	-7.1					146.7
5. Unavailable Hours	UH	4.8	73.3	384.2	0.9	13.4	6.1	63.0	7.1					552.8
6. Planned Outage Hours	POH	0.0	57.5	275.0	0.0	0.0	0.0	0.0	0.0					332.5
7. Forced Outage Hours	FOH	1.2	0.0	109.2	0.9	13.4	0.0	0.0	7.1					131.8
8. Maintenance Outage Hours	MOH	3.6	15.8	0.0	0.0	0.0	6.1	63.0	0.0					88.5
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
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
10a. Partial Forced Outage Hours	PFOH	2.1	0.0	7.6	0.0	16.8	0.0	3.3	10.6					40.4
10b. Load Reduction Partial Forced (MW)	LRPF	69.4	0.0	79.0	0.0	94.1	0.0	79.1	79.0					84.8
11a. Partial Maintenance Outage Hours	PMOH	4.8	23.9	0.0	0.0	0.0	9.1	0.0	0.0					37.8
11b. Load Reduction Partial Maintenance (MW)	LRPM	78.0	80.4	0.0	0.0	0.0	79.0	0.0	0.0					79.8
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
13. Operating British Thermal Units (GBTU)	OPR BTU	1,875.0	1,493.5	1,050.7	2,025.6	2,499.8	2,267.2	2,404.8	2,912.4					16,529.1
14. Net Generation (MWH)	NETGEN	248,230.8	203,342.1	140,773.6	274,428.4	339,658.8	290,222.0	323,875.6	395,805.8					2,216,337.1
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,554.0	7,345.0	7,464.0	7,381.0	7,360.0	7,812.0	7,425.0	7,358.0					7,457.8
16. Net Output Factor (%)	NOF	42.1	53.4	50.8	54.6	65.1	57.5	66.3	75.9					58.5
17. Net Period Continuous Rating (MW)	NPC	792.0	792.0	792.0	701.0	701.0	701.0	701.0	701.0					735.1
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF ( -2.852 ) + 7,630												

ORIGINAL SHEET NO. 8.401.19A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2020 - DECEMBER 2020

PLANT/UNIT		MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	PERIOD	
BAYSIDE 2		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020
1. Equivalent Availability Factor (%)	EAF	71.3	95.4	99.9	98.5	83.8	97.8	95.3	91.9					92.7
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0					5,855.0
3. Service Hours	SH	85.2	672.4	742.3	712.7	663.8	709.4	720.5	744.0					5,050.3
4. Reserve Shutdown Hours	RSH	448.8	0.0	0.0	0.0	0.0	0.0	0.0	-40.3					408.5
5. Unavailable Hours	UH	210.0	23.6	0.7	7.3	80.2	10.6	23.5	40.3					396.2
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
7. Forced Outage Hours	FOH	3.5	6.5	0.0	7.3	26.2	3.9	11.1	0.0					58.5
8. Maintenance Outage Hours	MOH	206.5	17.1	0.7	0.0	54.0	6.7	12.3	40.3					337.6
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
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
10a. Partial Forced Outage Hours	PFOH	4.8	11.2	0.0	14.2	47.9	7.7	21.8	0.0					107.6
10b. Load Reduction Partial Forced (MW)	LRPF	77.1	77.0	0.0	77.0	89.4	67.0	77.0	0.0					81.8
11a. Partial Maintenance Outage Hours	PMOH	9.6	20.2	1.2	0.0	105.6	13.1	24.1	78.8					252.6
11b. Load Reduction Partial Maintenance (MW)	LRPM	77.0	92.4	77.4	0.0	77.0	77.0	77.0	77.0					78.2
12. Net Summer Continuous Rating (MW)	NSC	929.0	929.0	929.0	929.0	929.0	929.0	929.0	929.0					929.0
13. Operating British Thermal Units (GBTU)	OPR BTU	189.5	2,657.5	3,038.4	3,056.0	2,699.8	3,308.5	3,631.2	3,462.6					22,043.6
14. Net Generation (MWH)	NETGEN	22,308.2	357,443.8	406,847.3	417,285.6	366,298.4	431,349.1	495,327.5	471,829.2					2,968,689.1
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,496.0	7,435.0	7,468.0	7,324.0	7,371.0	7,670.0	7,331.0	7,339.0					7,425.4
16. Net Output Factor (%)	NOF	25.0	49.1	52.2	62.4	53.0	64.5	71.7	68.3					60.4
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					973.3
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF ( -6.673 ) + 7,965												

ORIGINAL SHEET NO. 8.401.19A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2020 - DECEMBER 2020

PLANT/UNIT		MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	MOCTH OF:	PERIOD	
BIG BEND 4		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020
1. Equivalent Availability Factor (%)	EAF	0.9	0.0	0.0	0.0	0.2	31.6	29.5	40.3					23.3
2. Period Hours	PH	744.0	696.0	744.0	720.0	744.0	720.0	744.0	744.0					5,856.0
3. Service Hours	SH	629.2	0.0	0.0	0.0	1.4	580.8	738.6	425.2					2,375.2
4. Reserve Shutdown Hours	RSH	97.3	0.0	0.0	0.0	0.0	0.0	0.0	101.9					199.2
5. Unavailable Hours	UH	17.5	696.0	744.0	720.0	742.6	139.2	5.4	217.0					3,281.7
6. Planned Outage Hours	POH	17.5	696.0	744.0	720.0	659.8	0.0	0.0	0.0					2,837.3
7. Forced Outage Hours	FOH	0.0	0.0	0.0	0.0	0.0	2.0	5.4	0.0					7.4
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	0.0	82.8	137.2	0.0	217.0					437.0
9a. Partial Planned Outage Hours	PPOH	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
10a. Partial Forced Outage Hours	PFOH	509.5	0.0	0.0	0.0	0.0	471.0	738.7	527.0					2,246.2
10b. Load Reduction Partial Forced (MW)	LRPF	37.1	0.0	0.0	0.0	0.0	182.0	257.0	182.0					173.8
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	0.0	138.2	87.0	0.0					225.2
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	0.0	267.0	337.0	0.0					294.0
12. Net Summer Continuous Rating (MW)	NSC	347.0	347.0	347.0	347.0	347.0	422.0	422.0	422.0					375.1
13. Operating British Thermal Units (GBTU)	OPR BTU	1,977.2	0.0	0.0	0.0	0.0	1,230.0	1,592.4	1,093.7					5,893.3
14. Net Generation (MWH)	NETGEN	188,162.0	0.0	1.0	0.0	-2,245.0	106,678.0	141,282.0	87,762.0					521,640.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	10,508.0	0.0	0.0	0.0	0.0	11,530.0	11,271.0	12,462.0					11,297.6
16. Net Output Factor (%)	NOF	85.0	0.0	0.0	0.0	-455.6	52.9	45.3	48.9					58.3
17. Net Period Continuous Rating (MW)	NPC	352.0	352.0	352.0	347.0	347.0	422.0	422.0	422.0					377.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF ( -5.6236) + 11,149												

ORIGINAL SHEET NO. 8.401.19A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2020 - DECEMBER 2020

PLANT/UNIT		MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD	
POLK 1		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020
1. Equivalent Availability Factor (%)	EAF	97.9	81.1	89.2	61.4	27.7	91.7	75.8	93.7					77.4
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0					5,855.0
3. Service Hours	SH	211.9	120.4	662.4	438.8	206.3	717.9	476.1	216.8					3,050.6
4. Reserve Shutdown Hours	RSH	516.8	444.0	0.0	44.0	0.0	0.0	174.8	527.3					1,706.9
5. Unavailable Hours	UH	15.3	131.6	80.6	237.2	537.7	2.1	93.1	0.0					1,097.6
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
7. Forced Outage Hours	FOH	1.6	10.7	0.0	154.1	537.7	2.1	0.0	0.0					706.2
8. Maintenance Outage Hours	MOH	13.7	120.9	80.6	83.1	0.0	0.0	93.1	0.0					391.4
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
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
10a. Partial Forced Outage Hours	PFOH	0.0	0.0	0.0	107.1	0.0	717.9	650.9	566.9					2,042.8
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	0.0	90.0	0.0	18.9	28.0	13.3					24.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
12. Net Summer Continuous Rating (MW)	NSC	210.0	210.0	210.0	210.0	210.0	210.0	210.0	210.0					210.0
13. Operating British Thermal Units (GBTU)	OPR BTU	256.3	157.0	877.3	555.1	298.1	1,068.7	613.0	256.9					4,082.3
14. Net Generation (MWH)	NETGEN	30,426.0	15,360.0	101,937.0	62,777.0	33,685.0	130,490.0	68,825.0	27,805.0					471,305.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	8,424.0	10,218.0	8,606.0	8,843.0	8,849.0	8,188.0	11,271.0	12,462.0					8,661.8
16. Net Output Factor (%)	NOF	59.3	52.7	63.4	60.9	69.0	77.4	68.8	61.1					71.0
17. Net Period Continuous Rating (MW)	NPC	230.0	230.0	230.0	210.0	210.0	210.0	210.0	210.0					217.5
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF ( -7.778 ) + 10,842												

ORIGINAL SHEET NO. 8.401.19A  
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2020 - DECEMBER 2020

PLANT/UNIT		MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	MONTH OF:	PERIOD	
POLK 2		Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Nov-20	Dec-20	2020
1. Equivalent Availability Factor (%)	EAF	99.4	92.2	99.3	96.1	91.4	82.8	95.5	92.9					95.2
2. Period Hours	PH	744.0	696.0	743.0	720.0	744.0	720.0	744.0	744.0					5,855.0
3. Service Hours	SH	741.6	675.1	733.0	714.9	709.0	597.6	732.1	744.0					5,647.3
4. Reserve Shutdown Hours	RSH	0.0	0.0	4.5	0.0	0.0	0.0	0.0	-7.6					-3.1
5. Unavailable Hours	UH	2.4	20.9	5.5	5.1	35.0	122.4	11.9	7.6					210.8
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.8					6.8
7. Forced Outage Hours	FOH	0.1	7.7	5.5	0.1	0.0	122.4	0.3	0.8					136.9
8. Maintenance Outage Hours	MOH	2.3	13.2	0.0	5.0	35.0	0.0	11.6	0.0					67.1
9a. Partial Planned Outage Hours	PPOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0					0.0
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
10a. Partial Forced Outage Hours	PFOH	9.2	14.3	0.0	33.6	0.4	6.0	43.0	134.5					241.0
10b. Load Reduction Partial Forced (MW)	LRPF	166.1	179.5	0.0	338.2	126.2	241.0	133.6	120.8					161.6
11a. Partial Maintenance Outage Hours	PMOH	0.0	106.6	0.0	15.4	107.7	0.0	35.8	40.0					305.5
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	125.0	0.0	125.0	125.0	0.0	119.8	119.8					123.7
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
13. Operating British Thermal Units (GBTU)	OPR BTU	4,418.6	4,119.3	4,573.1	4,030.8	3,911.8	3,627.4	3,718.0	3,677.7					32,076.7
14. Net Generation (MWH)	NETGEN	636,822.0	593,139.0	665,332.0	581,812.0	559,597.0	514,715.0	521,798.0	518,105.0					4,591,320.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	6,938.0	6,945.0	6,873.0	6,928.0	6,990.0	7,048.0	7,125.0	7,098.0					6,986.4
16. Net Output Factor (%)	NOF	71.3	71.0	75.5	76.2	70.9	78.3	66.1	65.6					73.0
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					1,113.1
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF ( -53.862 ) + 11,266												



Tampa Electric Company  
 Outage Listing  
 August 2020

Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT1(A)	66	Unplanned (Forced) C	8/1/2020	0:00	8/1/2020	19:05	19:08	3416	Other feedwater pump problems	1A BFP mechanical seal leak, it wasn't a trip unit was shut down.		156.
BS CT1(A)	67	Reserve Shutdown	8/1/2020	19:05	8/3/2020	13:44	42:65			Reserve Shutdown		156.

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Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT1(B)	184	Reserve Shutdown	8/4/2020	3:06	8/4/2020	11:40	8.57			Reserve Shutdown		156.
BS CT1(B)	185	Reserve Shutdown	8/6/2020	23:16	8/7/2020	11:38	12.37			Reserve Shutdown		156.
BS CT1(B)	186	Reserve Shutdown	8/8/2020	2:42	8/8/2020	13:34	10.87			Reserve Shutdown		156.
BS CT1(B)	187	Reserve Shutdown	8/9/2020	5:03	8/9/2020	12:07	7.07			Reserve Shutdown		156.
BS CT1(B)	188	Reserve Shutdown	8/12/2020	1:57	8/12/2020	12:14	10.28			Reserve Shutdown		156.
BS CT1(B)	189	Reserve Shutdown	8/30/2020	14:24	8/31/2020	11:05	20.68			Reserve Shutdown		156.

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Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT1(C)	197	Reserve Shutdown	8/6/2020	1:16	8/6/2020	11:49	10.55			Reserve Shutdown		156.
BS CT1(C)	198	Reserve Shutdown	8/8/2020	0:18	8/8/2020	11:33	11.25			Reserve Shutdown		156.
BS CT1(C)	199	Reserve Shutdown	8/10/2020	1:16	8/10/2020	12:22	11.1			Reserve Shutdown		156.
BS CT1(C)	200	Reserve Shutdown	8/24/2020	20:51	8/25/2020	3:43	6.87			Reserve Shutdown		156.
BS CT1(C)	201	Reserve Shutdown	8/26/2020	22:22	8/27/2020	2:26	4.07			Reserve Shutdown		156.
BS CT1(C)	202	Unplanned (Forced) C	8/27/2020	2:26	8/27/2020	15:12	12.77	5049	Other fuel system problems	1 C Fuel Gas Skid heater head leak		156.
BS CT1(C)	203	Reserve Shutdown	8/27/2020	15:12	8/27/2020	15:45	0.55			Reserve Shutdown		156.

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Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS ST 1	21	Unplanned (Forced) Derating - Immediate	8/1/2020	0:00	8/1/2020	19:05	19.08	3999	Other miscellaneous balance of plant problems	ST 1 Derated - 1A BFP mechanical seal leak, it wasn't a trip unit was sh	154.	233.
BS ST 1	22	Unplanned (Forced) Derating - Immediate	8/27/2020	2:26	8/27/2020	15:12	12.77	3999	Other miscellaneous balance of plant problems	ST1 Derated - 1 C Fuel Gas Skid heater head leak	154.	233.

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Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT2(A)	40	Reserve Shutdown	8/8/2020	6:20	8/8/2020	15:14	8.9			Reserve Shutdown		156.
BS CT2(A)	41	Reserve Shutdown	8/9/2020	2:43	8/9/2020	10:03	7.33			Reserve Shutdown		156.
BS CT2(A)	42	Reserve Shutdown	8/18/2020	2:50	8/19/2020	13:38	34.8			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)	206	Maintenance Outage	8/15/2020	1:30	8/25/2020	1:24	239.9	0540	Reheat steam piping up to turbine stop valves	Steam leak on the RH header replaced 2 elbows.		156.
BS CT2(B)	207	Reserve Shutdown	8/31/2020	1:57	8/31/2020	23:59	22.05			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)	155	Reserve Shutdown	8/6/2020	2:03	8/6/2020	12:51	10.8			Reserve Shutdown		156.
BS CT2(C)	156	Reserve Shutdown	8/11/2020	3:19	8/11/2020	12:29	9.17			Reserve Shutdown		156.
BS CT2(C)	157	Reserve Shutdown	8/13/2020	4:48	8/13/2020	11:41	6.88			Reserve Shutdown		156.
BS CT2(C)	158	Reserve Shutdown	8/14/2020	2:24	8/14/2020	11:25	9.02			Reserve Shutdown		156.
BS CT2(C)	159	Reserve Shutdown	8/19/2020	22:04	8/21/2020	14:32	40.47			Reserve Shutdown		156.
BS CT2(C)	160	Reserve Shutdown	8/21/2020	20:04	8/22/2020	14:06	18.03			Reserve Shutdown		156.
BS CT2(C)	161	Reserve Shutdown	8/23/2020	0:48	8/23/2020	11:01	10.22			Reserve Shutdown		156.
BS CT2(C)	162	Reserve Shutdown	8/24/2020	22:53	8/25/2020	9:20	10.45			Reserve Shutdown		156.
BS CT2(C)	163	Reserve Shutdown	8/27/2020	1:20	8/27/2020	11:31	10.18			Reserve Shutdown		156.

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Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS CT2(D)	211	Reserve Shutdown	8/2/2020	8:07	8/3/2020	11:54	27.78			Reserve Shutdown		156.
BS CT2(D)	212	Reserve Shutdown	8/5/2020	0:41	8/5/2020	11:37	10.93			Reserve Shutdown		156.
BS CT2(D)	213	Reserve Shutdown	8/18/2020	21:44	8/20/2020	13:16	39.53			Reserve Shutdown		156.
BS CT2(D)	214	Reserve Shutdown	8/20/2020	19:50	8/21/2020	13:17	17.45			Reserve Shutdown		156.
BS CT2(D)	215	Reserve Shutdown	8/21/2020	18:22	8/22/2020	13:11	18.82			Reserve Shutdown		156.
BS CT2(D)	216	Reserve Shutdown	8/22/2020	20:49	8/23/2020	11:58	15.15			Reserve Shutdown		156.



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Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
BS ST 2	36	Maintenance Derating	8/15/2020	1:30	8/25/2020	1:24	239.9	3999	Other miscellaneous balance of plant problems	ST2 derated - 2B steam leak on the RH header replaced 2 elbows.	228.	305.

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Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Big Bend 4	44	Unplanned (F)	8/1/2020	0:00	8/27/2020	13:44	637.73	3430	Feedwater regulating (boiler level control) v	Boiler Feed pump recirculation valve failed (stuck) in the open position limiting feed	240.	422.
Big Bend 4	44	Unplanned (F)	8/1/2020	0:00	8/1/2020	0:00	0.	3430	Feedwater regulating (boiler level control) v	Boiler Feed pump recirculation valve failed (stuck) in the open position limiting feed	240.	422.
Big Bend 4	48	Reserve Shu	8/18/2020	17:09	8/22/2020	23:00	101.85			Reserve Shutdown		422.
Big Bend 4	49	Maintenance	8/22/2020	23:00	8/31/2020	23:59	217.	3430	Feedwater regulating (boiler level control) v	Boiler Feed pump recirculation valve failed (stuck) in the open position limiting feed		422.

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Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Polk 1	120	Unplanned (Forced) Derating - Immediate	8/1/2020	0:00	8/1/2020	0:00	0	5079	Other combustor problems	Combustion dynamic issues..hardware. Secondly, HRSG design exceeded on Natural gas onl	145.	160.
Polk 1	120	Unplanned (Forced) Derating - Immediate	8/1/2020	0:00	8/1/2020	0:00	0	5079	Other combustor problems	Combustion dynamic issues..hardware. Secondly, HRSG design exceeded on Natural gas onl	145.	160.
Polk 1	129	Unplanned (Forced) Derating - Immediate	8/1/2020	0:00	8/24/2020	12:00	564	0530	Other main steam system problems	HRSG operating at design for heat input from GTG. This is exceeding the ability of the	145.	160.
Polk 1	130	Reserve Shutdown	8/10/2020	0:45	8/31/2020	23:59	527.25			Reserve Shutdown		160.
Polk 1	131	Unplanned (Forced) Derating - Immediate	8/24/2020	12:00	8/31/2020	23:59	180	0530	Other main steam system problems	HRSG operating at design for heat input from GTG. This is exceeding the ability of the	152.	160.

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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	32	Unplanned (Forced) Derating - Immediate	8/1/2020	0:00	8/1/2020	0:00	0.3999	03999	Other miscellaneous balance o Combustion dynamic issues. hardware. Secondly, HRSG design exceeded on Natural gas or		47.	50.
Polk 1 ST	32	Unplanned (Forced) Derating - Immediate	8/1/2020	0:00	8/1/2020	0:00	0.3999	03999	Other miscellaneous balance o Combustion dynamic issues. hardware. Secondly, HRSG design exceeded on Natural gas or		47.	50.
Polk 1 ST	40	Reserve Shutdown	8/10/2020	0:33	8/31/2020	23:59	527.45		Reserve Shutdown			50.

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Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Polk 2	162	Reserve Shutdown	8/11/2020	21:06	8/12/2020	11:18	14.2			Reserve Shutdown		150.
Polk 2	163	Reserve Shutdown	8/24/2020	1:45	8/24/2020	8:29	6.73			Reserve Shutdown		150.
Polk 2	164	Unplanned (Forced) Outage - Immediate	8/24/2020	9:02	8/24/2020	10:14	1.2	5299	Other miscellaneous gas turbin Shutdown GTG2 because it was inadvertently started in simple cycle. Shutdown for resta			150.
Polk 2	165	Unplanned (Forced) Outage - Immediate	8/24/2020	11:02	8/24/2020	12:03	1.02	0520	Other main steam valves (inclu issues with merge valves on HRSG Merge Valves			150.
Polk 2	166	Unplanned (Forced) Outage - Immediate	8/24/2020	12:15	8/24/2020	13:20	1.08	5250	Controls and instrumentation	Unit tripped at part load on gas fuel for Water Injection Purge Pressure Ratio Very Lo		150.
Polk 2	167	Reserve Shutdown	8/25/2020	3:16	8/25/2020	11:49	8.55			Reserve Shutdown		150.
Polk 2	168	Reserve Shutdown	8/28/2020	2:06	8/28/2020	10:16	8.17			Reserve Shutdown		150.
Polk 2	169	Reserve Shutdown	8/29/2020	2:42	8/30/2020	0:00	21.3			Reserve Shutdown		150.
Polk 2	170	Planned Outage	8/30/2020	0:00	8/31/2020	23:59	48.	5270	Hot end inspection	Hot Gas Path Inspection for 32,000 hardware		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	67	Maintenance Derating	8/4/2020	0:00	8/5/2020	20:00	44.3999	Other miscellaneous balance of plant problems	HRSG5 maintenance outage to repair seized valve (861) manual operator binding on stem		341.25	461.
Polk 2 ST	68	Unplanned (Forced) Derating - Immediate	8/5/2020	20:00	8/9/2020	20:00	96.3999	Other miscellaneous balance of plant problems	HRSG5 crack in HP Superheat Steam sample line tap required repair.		341.25	461.
Polk 2 ST	69	Unplanned (Forced) Derating - Immediate	8/11/2020	11:50	8/11/2020	12:36	0.773999	Other miscellaneous balance of plant problems	GTG5 During start up on gas fuel, the gas turbine experienced an unknown trip. OSM one		341.25	461.
Polk 2 ST	70	Unplanned (Forced) Derating - Immediate	8/12/2020	0:30	8/15/2020	20:00	91.53999	Other miscellaneous balance of plant problems	HRSG5 LP Steam Merge Valve (SSLP-V-504-L) when shutting down for Reserve. Control Valv		341.25	461.
Polk 2 ST	71	Unplanned (Forced) Derating - Immediate	8/12/2020	20:00	8/15/2020	20:00	72.3999	Other miscellaneous balance of plant problems	HRSG4 Duct Burner Isolation Valve stuck open preventing operation of the Duct Burners		311.25	461.
Polk 2 ST	72	Unplanned (Forced) Derating - Immediate	8/15/2020	3:56	8/15/2020	4:56	1.3999	Other miscellaneous balance of plant problems	GTG3 logic tags indicate that compressor bleed valve #3 & 4 (VA2-3 & VA2-4) failed to		341.25	461.
Polk 2 ST	73	Unplanned (Forced) Derating - Immediate	8/15/2020	20:00	8/16/2020	0:00	4.3999	Other miscellaneous balance of plant problems	HRSG4 Duct Burner Isolation Valve stuck open preventing operation of the Duct Burners		429.	461.
Polk 2 ST	74	Unplanned (Forced) Derating - Immediate	8/16/2020	12:38	8/17/2020	8:00	19.373999	Other miscellaneous balance of plant problems	HRSG2 Duct Burner Isolation Valve stuck open preventing operation of the Duct Burners		431.	461.
Polk 2 ST	75	Unplanned (Forced) Derating - Immediate	8/20/2020	1:25	8/24/2020	0:00	94.583999	Other miscellaneous balance of plant problems	HRSG5 Duct Burner Isolation Valve stuck open preventing operation of the Duct Burners		431.	461.
Polk 2 ST	76	Unplanned (Forced) Derating - Immediate	8/24/2020	9:02	8/24/2020	10:14	1.23999	Other miscellaneous balance of plant problems	Shutdown GTG2 because it was inadvertently started in simple cycle. Shutdown for resta		341.25	461.
Polk 2 ST	77	Unplanned (Forced) Derating - Immediate	8/24/2020	11:02	8/24/2020	12:03	1.023999	Other miscellaneous balance of plant problems	Issues with merge valves on HRSG2 Merge Valves		341.25	461.
Polk 2 ST	78	Unplanned (Forced) Derating - Immediate	8/24/2020	12:15	8/24/2020	13:20	1.083999	Other miscellaneous balance of plant problems	GTG2 tripped at part load on gas fuel for Water Injection Purge Pressure Ratio Very Lo		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	155	Reserve Shutdown	8/1/2020	1:54	8/1/2020	12:33	10.65			Reserve Shutdown	150.	150.
Polk 3	156	Reserve Shutdown	8/2/2020	1:04	8/2/2020	10:37	9.55			Reserve Shutdown	150.	150.
Polk 3	157	Reserve Shutdown	8/3/2020	1:01	8/3/2020	11:38	10.62			Reserve Shutdown	150.	150.
Polk 3	158	Reserve Shutdown	8/4/2020	23:12	8/5/2020	10:59	11.78			Reserve Shutdown	150.	150.
Polk 3	159	Reserve Shutdown	8/5/2020	23:27	8/6/2020	11:32	12.08			Reserve Shutdown	150.	150.
Polk 3	160	Reserve Shutdown	8/7/2020	0:56	8/7/2020	9:23	8.45			Reserve Shutdown	150.	150.
Polk 3	161	Reserve Shutdown	8/8/2020	1:06	8/8/2020	11:09	10.05			Reserve Shutdown	150.	150.
Polk 3	162	Reserve Shutdown	8/9/2020	1:01	8/9/2020	10:08	9.12			Reserve Shutdown	150.	150.
Polk 3	163	Reserve Shutdown	8/9/2020	18:17	8/10/2020	10:43	16.43			Reserve Shutdown	150.	150.
Polk 3	164	Reserve Shutdown	8/11/2020	0:53	8/11/2020	10:38	9.75			Reserve Shutdown	150.	150.
Polk 3	165	Reserve Shutdown	8/13/2020	1:23	8/13/2020	10:46	9.38			Reserve Shutdown	150.	150.
Polk 3	166	Unplanned (Forced) Outage - Immediate	8/15/2020	3:56	8/15/2020	4:56	1. 5160	Cooling and seal air system	OSM 1 second data indicate unit in a fired shutdown (L94X=1) on gas fuel. OSM one logi		150.	150.
Polk 3	167	Reserve Shutdown	8/15/2020	4:56	8/15/2020	12:50	7.9				150.	150.
Polk 3	168	Reserve Shutdown	8/17/2020	0:24	8/17/2020	10:34	10.17			Reserve Shutdown	150.	150.
Polk 3	169	Reserve Shutdown	8/18/2020	0:51	8/18/2020	12:15	11.4			Reserve Shutdown	150.	150.
Polk 3	170	Reserve Shutdown	8/19/2020	4:12	8/19/2020	10:51	6.65			Reserve Shutdown	150.	150.
Polk 3	171	Reserve Shutdown	8/22/2020	6:58	8/22/2020	8:25	1.45			Reserve Shutdown	150.	150.
Polk 3	172	Reserve Shutdown	8/26/2020	1:59	8/26/2020	10:44	8.75			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	55	Reserve Shutdown	8/1/2020	2:48	8/1/2020	11:19	8.52			Reserve Shutdown	150.	150.
Polk 4	56	Reserve Shutdown	8/2/2020	2:16	8/2/2020	11:53	9.62			Reserve Shutdown	150.	150.
Polk 4	57	Reserve Shutdown	8/4/2020	1:31	8/4/2020	10:48	9.28			Reserve Shutdown	150.	150.
Polk 4	58	Reserve Shutdown	8/10/2020	23:25	8/11/2020	11:50	12.42			Reserve Shutdown	150.	150.
Polk 4	59	Startup Failure	8/11/2020	11:50	8/11/2020	12:36	0.77	5250	Controls and instrumentation	During start up on gas fuel, the gas turbine experienced an unknown trip. OSM one seco	150.	150.
Polk 4	60	Reserve Shutdown	8/14/2020	0:27	8/14/2020	9:12	8.75			Reserve Shutdown	150.	150.
Polk 4	61	Reserve Shutdown	8/16/2020	1:30	8/16/2020	9:35	8.08			Reserve Shutdown	150.	150.
Polk 4	62	Reserve Shutdown	8/17/2020	2:17	8/17/2020	11:48	9.52			Reserve Shutdown	150.	150.
Polk 4	63	Reserve Shutdown	8/18/2020	15:32	8/18/2020	22:07	6.58			Reserve Shutdown	150.	150.
Polk 4	64	Reserve Shutdown	8/28/2020	0:41	8/29/2020	10:39	33.97			Reserve Shutdown	150.	150.
Polk 4	65	Reserve Shutdown	8/30/2020	17:48	8/31/2020	5:49	12.02			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 5	40	Reserve Shutdown	8/3/2020	23:54	8/5/2020	12:37	36.72			Reserve Shutdown		150.
Polk 5	41	Unplanned (Forced) Outage - Delayed	8/5/2020	12:37	8/5/2020	13:11	0.57	5299	Other miscellaneous gas turbine prob	GTG5 failed to start for load. Bearing Tunnel Blower failed to start tripping GTG off.		150.
Polk 5	42	Reserve Shutdown	8/5/2020	19:41	8/10/2020	8:00	108.32			Reserve Shutdown		150.
Polk 5	43	Reserve Shutdown	8/12/2020	0:01	8/12/2020	15:29	15.47			Reserve Shutdown		150.
Polk 5	44	Reserve Shutdown	8/12/2020	19:48	8/13/2020	11:17	15.48			Reserve Shutdown		150.
Polk 5	45	Reserve Shutdown	8/13/2020	19:46	8/14/2020	12:30	16.73			Reserve Shutdown		150.
Polk 5	46	Reserve Shutdown	8/14/2020	20:19	8/15/2020	11:45	15.43			Reserve Shutdown		150.
Polk 5	47	Reserve Shutdown	8/16/2020	3:57	8/16/2020	11:09	7.2			Reserve Shutdown		150.
Polk 5	48	Reserve Shutdown	8/17/2020	18:11	8/18/2020	6:41	12.5			Reserve Shutdown		150.
Polk 5	49	Reserve Shutdown	8/30/2020	1:06	8/30/2020	12:01	10.92			Reserve Shutdown		150.
Polk 5	50	Reserve Shutdown	8/31/2020	19:35	8/31/2020	23:59	4.42			Reserve Shutdown		150.