

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

August 25, 2021

ELECTRONIC FILING

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

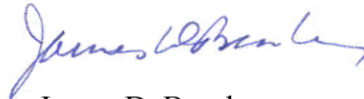
Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance
Incentive Factor; FPSC Docket No. 20210001-EI

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 2021.

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 August 2021 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

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

Ms. Dianne M. Triplett
Duke Energy Florida
299 First Avenue North
St. Petersburg, FL 33701
Dianne.triplett@duke-energy.com
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

Mr. Jon C Moyle, Jr.
Moyle Law Firm
118 North Gadsden Street
Tallahassee, FL 32301
jmoyle@moylelaw.com
mqualls@moylelaw.com

Mr. Steven R. Griffin
Beggs & Lane
P.O. Box 12950
Pensacola FL 32591
srg@beggslane.com

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

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

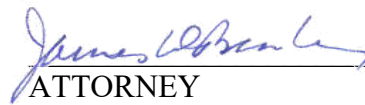
Mr. Kenneth Hoffman
Vice President, Regulatory Relations
Florida Power & Light Company
215 South Monroe Street, Suite 810
Tallahassee, FL 32301-1859
ken.hoffman@fpl.com

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

Mr. Russell A. Badders
Vice President & Associate General Counsel
Gulf Power Company
One Energy Place
Pensacola FL 32520
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
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
lwb@smxblaw.com


ATTORNEY

ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2021 - DECEMBER 2021

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-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021
1. Equivalent Availability Factor (%)	EAF	81.0	97.3	70.7	89.9	95.5	91.1	98.4						88.9
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	2.9	667.0	725.2	712.0	671.4	608.6	744.0						4,131.1
4. Reserve Shutdown Hours	RSH	599.3	0.0	0.0	0.0	40.4	49.2	0.0						688.9
5. Unavailable Hours	UH	141.7	12.9	148.0	49.4	32.2	62.2	8.0						454.4
6. Planned Outage Hours	POH	0.0	0.0	79.9	39.9	0.0	0.0	0.0						119.8
7. Forced Outage Hours	FOH	0.8	7.9	68.1	9.6	0.8	0.0	1.7						88.9
8. Maintenance Outage Hours	MOH	141.0	5.0	0.0	0.0	31.5	62.2	6.3						246.0
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	29.2	241.0	31.0	0.0	0.0	7.5						308.7
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	79.0	79.0	69.0	0.0	0.0	78.9						78.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	21.6	196.7	179.1	14.5	15.1	28.3						455.3
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	79.0	185.3	79.0	79.1	79.1	79.0						124.9
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	0.0	2,629.4	2,086.8	1,896.0	1,807.3	1,953.9	2,492.6						12,865.9
14. Net Generation (MWH)	NETGEN	0.0	356,616.9	281,193.7	252,014.3	238,038.7	261,453.6	334,585.1						1,723,902.3
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	0.0	7,373.0	7,421.0	7,524.0	7,592.0	7,473.0	7,450.0						7,463.3
16. Net Output Factor (%)	NOF	0.0	67.5	49.0	50.5	50.6	61.3	64.2						56.4
17. Net Period Continuous Rating (MW)	NPC	792.0	792.0	792.0	701.0	701.0	701.0	701.0						740.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-2.852) + 7,630												

Note: Period hours may not match the Service, RS or Unavailable 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 2021 - DECEMBER 2021

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-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021
1. Equivalent Availability Factor (%)	EAF	98.4	99.6	97.3	96.4	83.7	94.8	100.0						95.7
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	742.0	720.0	744.0	720.0	744.0						5,086.0
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	7.3	1.8	14.3	17.4	81.2	25.0	0.0						147.0
6. Planned Outage Hours	POH	0.0	0.0	0.0	1.3	81.2	25.0	0.0						107.5
7. Forced Outage Hours	FOH	0.0	1.8	0.0	16.1	0.0	0.0	0.0						17.9
8. Maintenance Outage Hours	MOH	7.3	0.0	14.3	0.0	0.0	0.0	0.0						21.6
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	10.5	0.0	95.9	0.0	0.0	0.0						106.4
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	77.0	0.0	77.0	0.0	0.0	0.0						77.0
11a. Partial Maintenance Outage Hours	PMOH	65.9	0.0	81.8	7.9	483.3	148.9	0.0						787.6
11b. Load Reduction Partial Maintenance (MW)	LRPM	77.0	0.0	77.0	77.0	77.0	77.0	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	2,941.7	3,623.8	3,326.4	2,405.3	2,292.7	3,237.0	3,660.5						21,487.3
14. Net Generation (MWH)	NETGEN	394,036.0	493,064.0	449,494.3	322,071.7	302,913.2	440,655.5	498,654.1						2,900,888.8
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	7,466.0	7,349.0	7,400.0	7,468.0	7,569.0	7,346.0	7,341.0						7,407.2
16. Net Output Factor (%)	NOF	50.6	70.1	57.8	48.2	43.8	65.9	72.2						58.2
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 (-6.673) + 7,965												

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 2021 - DECEMBER 2021

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
BIG BEND 4		Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021
1. Equivalent Availability Factor (%)	EAF	52.0	79.5	69.5	18.7	57.1	82.2	37.4						56.3
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	534.6	653.4	641.5	313.9	589.9	720.0	410.5						3,863.8
4. Reserve Shutdown Hours	RSH	104.6	18.6	1.0	0.0	28.4	0.0	0.0						152.6
5. Unavailable Hours	UH	104.8	0.0	100.5	406.1	125.7	0.0	333.5						1,070.6
6. Planned Outage Hours	POH	0.0	0.0	96.2	400.9	0.0	0.0	0.0						497.1
7. Forced Outage Hours	FOH	4.3	0.0	4.3	5.3	0.0	0.0	0.0						13.9
8. Maintenance Outage Hours	MOH	100.5	0.0	0.0	0.0	125.7	0.0	333.5						559.7
9a. Partial Planned Outage Hours	PPOH	643.5	672.0	643.5	714.8	618.3	720.0	410.5						4,422.6
9b. Load Reduction Partial Planned (MW)	LRPP	85.0	85.0	85.0	75.0	75.0	75.0	75.0						79.4
10a. Partial Forced Outage Hours	PFOH	336.0	24.1	0.0	129.5	441.3	0.0	113.6						1,044.5
10b. Load Reduction Partial Forced (MW)	LRPF	161.5	105.0	0.0	169.2	80.0	0.0	220.0						133.1
11a. Partial Maintenance Outage Hours	PMOH	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
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	1,135.4	2,224.0	1,699.2	936.4	1,619.8	2,011.5	977.8						10,604.1
14. Net Generation (MWH)	NETGEN	114,956.0	212,466.0	159,431.0	78,608.0	151,856.0	183,123.0	84,384.0						984,824.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	9,877.0	10,468.0	10,658.0	11,912.0	10,667.0	10,984.0	11,587.0						10,767.5
16. Net Output Factor (%)	NOF	49.8	75.3	57.4	59.4	61.0	60.3	48.7						59.8
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 (-5.6236) + 11,149												



ORIGINAL SHEET NO. 8.401.19A
TAMPA ELECTRIC COMPANY

ACTUAL UNIT PERFORMANCE DATA

JANUARY 2021 - DECEMBER 2021

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-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021
1. Equivalent Availability Factor (%)	EAF	73.4	99.9	91.9	88.9	58.4	0.0	0.0						58.5
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	73.3	63.4	343.5	312.4	434.4	0.0	0.0						1,227.0
4. Reserve Shutdown Hours	RSH	472.9	608.0	385.5	327.3	0.0	0.0	0.0						1,793.7
5. Unavailable Hours	UH	197.9	0.6	15.0	80.3	309.6	720.0	744.0						2,067.4
6. Planned Outage Hours	POH	0.0	0.0	0.0	0.0	309.6	216.0	0.0						525.6
7. Forced Outage Hours	FOH	197.9	0.6	15.0	80.3	0.0	504.0	744.0						1,541.8
8. Maintenance Outage Hours	MOH	0.0	0.0	0.0	0.0	0.0	0.0	0.0						0.0
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	125.2	0.0	0.0	0.0	0.0						125.2
10b. Load Reduction Partial Forced (MW)	LRPF	0.0	0.0	77.0	0.0	0.0	0.0	0.0						77.0
11a. Partial Maintenance Outage Hours	PMOH	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
12. Net Summer Continuous Rating (MW)	NSC	202.0	202.0	202.0	202.0	202.0	202.0	202.0						202.0
13. Operating British Thermal Units (GBTU)	OPR BTU	82.2	88.1	437.0	405.5	575.6	0.0	0.0						1,588.4
14. Net Generation (MWH)	NETGEN	7,975.0	7,431.0	47,770.0	45,983.0	67,820.0	-2,567.0	-2,999.0						171,413.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	10,308.0	11,856.0	9,149.0	8,818.0	8,487.0	0.0	0.0						9,266.7
16. Net Output Factor (%)	NOF	47.3	50.9	60.5	72.9	77.3	0.0	0.0						65.3
17. Net Period Continuous Rating (MW)	NPC	230.0	230.0	230.0	202.0	202.0	202.0	202.0						214.0
18. Avg. Net Operating Heat Rate Equation		ANOHR = NOF (-7.778) + 10,842												

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 2021 - DECEMBER 2021

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-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	2021
1. Equivalent Availability Factor (%)	EAF	99.8	58.5	71.1	75.4	86.2	96.7	99.3						84.22
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	741.3	43.1	445.6	720.0	741.4	720.0	744.0						4,155.4
4. Reserve Shutdown Hours	RSH	1.3	349.7	146.0	0.0	0.0	0.0	0.0						497.0
5. Unavailable Hours	UH	1.4	279.2	151.4	96.8	56.4	23.6	5.2						614.0
6. Planned Outage Hours	POH	1.1	268.8	143.2	96.8	29.6	11.3	0.0						550.8
7. Forced Outage Hours	FOH	0.3	0.0	8.2	0.0	26.8	12.3	5.2						52.8
8. Maintenance Outage Hours	MOH	0.0	10.4	0.0	0.0	0.0	0.0	0.0						10.4
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	1.0	0.0	0.0	0.0	181.6	2.9	0.0						185.5
10b. Load Reduction Partial Forced (MW)	LRPF	124.8	0.0	0.0	0.0	133.6	32.4	0.0						132.0
11a. Partial Maintenance Outage Hours	PMOH	0.0	0.0	218.3	661.1	206.6	0.0	2.1						1,088.1
11b. Load Reduction Partial Maintenance (MW)	LRPM	0.0	0.0	349.6	129.2	120.0	0.0	106.9						171.6
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	3,751.0	185.9	2,381.5	3,202.4	3,557.7	4,023.5	4,471.3						21,573.5
14. Net Generation (MWH)	NETGEN	538,346.0	13,910.0	317,805.0	454,215.0	503,977.0	575,457.0	641,134.0						3,044,844.0
15. Avg. Net Operating Heat Rate (BTU/KWH)	ANOHR	6,968.0	13,368.0	7,494.0	7,050.0	7,059.0	6,992.0	6,974.0						7,085.3
16. Net Output Factor (%)	NOF	60.5	26.9	59.3	59.5	64.1	75.3	81.2						65.4
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 (-53.862) + 11,266												

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 2021

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)	51	Unplanned (Forced) Outage - Immediate	7/2/2021	15:12:00	7/2/2021	15:13:00	0.02	3416	Other feedwater pump problems	We had to trip 1A CT because a maintenance mechanic swapped bearing lube oil filters o		156
BS CT1(A)	52	Reserve Shutdown	7/2/2021	15:13:00	7/4/2021	11:57:00	44.73			Reserve Shutdown		156
BS CT1(A)	53	Reserve Shutdown	7/5/2021	0:21:00	7/5/2021	11:53:00	11.53			Reserve Shutdown		156
BS CT1(A)	54	Reserve Shutdown	7/10/2021	1:10:00	7/10/2021	13:00:00	11.83			Reserve Shutdown		156
BS CT1(A)	55	Reserve Shutdown	7/12/2021	0:57:00	7/12/2021	13:34:00	12.62			Reserve Shutdown		156
BS CT1(A)	56	Reserve Shutdown	7/16/2021	1:46:00	7/16/2021	12:26:00	10.67			Reserve Shutdown		156
BS CT1(A)	57	Reserve Shutdown	7/18/2021	1:00:00	7/18/2021	13:24:00	12.4			Reserve Shutdown		156
BS CT1(A)	58	Reserve Shutdown	7/22/2021	1:05:00	7/22/2021	12:15:00	11.17			Reserve Shutdown		156
BS CT1(A)	59	Reserve Shutdown	7/24/2021	2:25:00	7/24/2021	14:02:00	11.62			Reserve Shutdown		156

Tampa Electric Company
Outage Listing
July 2021

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)	90	Reserve Shutdown	7/1/2021	0:00:00	7/1/2021	13:29:00	13.48			Reserve Shutdown		156
BS CT1(B)	47	Reserve Shutdown	7/12/2021	17:25:00	7/13/2021	14:08:00	20.72			Reserve Shutdown		156
BS CT1(B)	48	Maintenance Outage	7/13/2021	18:03:00	7/14/2021	22:21:00	28.3	5120	Hydraulic oil system	The hydraulic hoses needed to be replaced on the 1B Hydraulic System to bring the syst		156
BS CT1(B)	49	Reserve Shutdown	7/14/2021	22:21:00	7/15/2021	8:55:00	10.57					156
BS CT1(B)	50	Startup Failure	7/15/2021	8:55:00	7/15/2021	10:02:00	1.12	5120	Hydraulic oil system	1B CT tripped during startup because IGV's were not stroking properly.		156
BS CT1(B)	51	Reserve Shutdown	7/15/2021	10:02:00	7/15/2021	10:31:00	0.48					156
BS CT1(B)	52	Reserve Shutdown	7/19/2021	23:57:00	7/20/2021	12:02:00	12.08			Reserve Shutdown		156
BS CT1(B)	45	Reserve Shutdown	7/31/2021	0:07:00	7/31/2021	11:48:00	11.68			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)	74	Reserve Shutdown	7/3/2021	0:48:00	7/4/2021	13:07:00	36.32			Reserve Shutdown		156
BS CT1(C)	75	Reserve Shutdown	7/5/2021	4:56:00	7/5/2021	14:25:00	9.48			Reserve Shutdown		156
BS CT1(C)	76	Reserve Shutdown	7/6/2021	0:17:00	7/6/2021	14:29:00	14.2			Reserve Shutdown		156
BS CT1(C)	77	Reserve Shutdown	7/10/2021	2:58:00	7/10/2021	14:01:00	11.05			Reserve Shutdown		156
BS CT1(C)	78	Unplanned (Forced) Outage - Immediate	7/10/2021	14:58:00	7/10/2021	21:20:00	6.37	1799	Other boiler control problems	1C was shutdown and made unavailable because the Cold Reheat Block Valve MOV Gearhe		156
BS CT1(C)	79	Reserve Shutdown	7/10/2021	21:20:00	7/11/2021	14:57:00	17.62					156
BS CT1(C)	80	Reserve Shutdown	7/18/2021	0:08:00	7/18/2021	12:18:00	12.17			Reserve Shutdown		156
BS CT1(C)	81	Reserve Shutdown	7/22/2021	0:11:00	7/22/2021	7:32:00	7.35			Reserve Shutdown		156
BS CT1(C)	82	Reserve Shutdown	7/24/2021	0:59:00	7/24/2021	12:19:00	11.33			Reserve Shutdown		156
BS CT1(C)	83	Reserve Shutdown	7/25/2021	0:21:00	7/25/2021	12:03:00	11.7			Reserve Shutdown		156
BS CT1(C)	84	Reserve Shutdown	7/28/2021	12:06:00	7/30/2021	12:45:00	48.65			Reserve Shutdown		156
BS CT1(C)	73	Reserve Shutdown	7/31/2021	1:05:00	7/31/2021	12:41:00	11.6			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	22	Unplanned (Forced) Derating - Immediate	7/2/2021	15:12:00	7/2/2021	15:13:00	0.02	3999	Other miscellaneous balance of plant problems	We had to trip 1A CT because a maintenance mechanic swapped bearing lube oil filters o	154	233
BS ST 1	23	Unplanned (Forced) Derating - Immediate	7/10/2021	14:58:00	7/10/2021	21:20:00	6.37	3999	Other miscellaneous balance of plant problems	1C was shutdown and made unavailable because the Cold Reheat Block Valve MOV Gearhead	154	233
BS ST 1	24	Maintenance Derating	7/13/2021	18:03:00	7/14/2021	22:21:00	28.3	3999	Other miscellaneous balance of plant problems	The hydraulic hoses needed to be replaced on the 1B Hydraulic System to bring the syst	154	233
BS ST 1	25	Unplanned (Forced) Derating - Immediate	7/15/2021	8:55:00	7/15/2021	10:02:00	1.12	3999	Other miscellaneous balance of plant problems	1B CT tripped during startup because IGV's were not stroking properly.	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)	28	Reserve Shutdown	7/19/2021	0:18:00	7/19/2021	11:40:00	11.37			Reserve Shutdown		156
BS CT2(A)	29	Reserve Shutdown	7/21/2021	0:58:00	7/21/2021	13:31:00	12.55			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 CT2(B)	30	Reserve Shutdown	7/14/2021	20:00:00	7/15/2021	9:27:00	13.45			Reserve Shutdown		156
BS CT2(B)	31	Reserve Shutdown	7/23/2021	2:19:00	7/23/2021	11:30:00	9.18			Reserve Shutdown		156
BS CT2(B)	32	Reserve Shutdown	7/29/2021	1:29:00	7/30/2021	13:55:00	36.43			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)	104	Reserve Shutdown	7/2/2021	0:29:00	7/2/2021	15:43:00	15.23			Reserve Shutdown		156
BS CT2(C)	105	Reserve Shutdown	7/5/2021	1:38:00	7/5/2021	12:56:00	11.3			Reserve Shutdown		156
BS CT2(C)	106	Reserve Shutdown	7/9/2021	0:28:00	7/9/2021	13:59:00	13.52			Reserve Shutdown		156
BS CT2(C)	107	Reserve Shutdown	7/11/2021	19:07:00	7/12/2021	12:04:00	16.95			Reserve Shutdown		156
BS CT2(C)	108	Reserve Shutdown	7/13/2021	0:51:00	7/13/2021	11:02:00	10.18			Reserve Shutdown		156
BS CT2(C)	109	Reserve Shutdown	7/14/2021	2:21:00	7/14/2021	11:40:00	9.32			Reserve Shutdown		156
BS CT2(C)	110	Reserve Shutdown	7/25/2021	1:52:00	7/25/2021	14:04:00	12.2			Reserve Shutdown		156
BS CT2(C)	111	Reserve Shutdown	7/27/2021	15:05:00	7/28/2021	17:23:00	26.3			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)	99	Reserve Shutdown	7/4/2021	1:00:00	7/4/2021	15:35:00	14.58			Reserve Shutdown		156
BS CT2(D)	100	Reserve Shutdown	7/6/2021	1:23:00	7/7/2021	6:11:00	28.8			Reserve Shutdown		156
BS CT2(D)	101	Reserve Shutdown	7/11/2021	1:18:00	7/11/2021	13:22:00	12.07			Reserve Shutdown		156
BS CT2(D)	102	Reserve Shutdown	7/12/2021	18:17:00	7/13/2021	11:31:00	17.23			Reserve Shutdown		156
BS CT2(D)	103	Reserve Shutdown	7/14/2021	0:26:00	7/14/2021	12:59:00	12.55			Reserve Shutdown		156
BS CT2(D)	104	Reserve Shutdown	7/15/2021	0:46:00	7/15/2021	12:52:00	12.1			Reserve Shutdown		156
BS CT2(D)	105	Reserve Shutdown	7/16/2021	0:24:00	7/16/2021	11:31:00	11.12			Reserve Shutdown		156
BS CT2(D)	106	Reserve Shutdown	7/20/2021	0:57:00	7/20/2021	12:29:00	11.53			Reserve Shutdown		156
BS CT2(D)	107	Reserve Shutdown	7/26/2021	0:39:00	7/26/2021	12:16:00	11.62			Reserve Shutdown		156
BS CT2(D)	96	Reserve Shutdown	7/31/2021	3:03:00	7/31/2021	14:30:00	11.45			Reserve Shutdown		156

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Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
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Tampa Electric Company
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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	19	Planned Derating	7/1/2021	0:00:00	7/1/2021	0:00:00	0	1035	Platen superheater	Reduced the steam header pressure (2000#) to preserve boiler tube integrity (reliabili	347	422
Big Bend 4	19	Planned Derating	7/1/2021	0:00:00	7/31/2021	23:59:00	744	1035	Platen superheater	Reduced the steam header pressure (2000#) to preserve boiler tube integrity (reliabili	347	422
Big Bend 4	20	Unplanned (Forced) Derating - Immediate	7/7/2021	21:40:00	7/9/2021	13:00:00	39.33	0892	Bottom ash clinker grinders	Suspect pluggage in A2 clinker grinder.	202	422
Big Bend 4	21	Unplanned (Forced) Derating - Immediate	7/12/2021	10:30:00	7/19/2021	10:08:00	167.63	0891	Bottom ash hoppers (including gates)	A1 Hydro ejector failure.	202	422
Big Bend 4	22	Maintenance Outage	7/15/2021	12:43:00	7/29/2021	10:15:00	333.53	0891	Bottom ash hoppers (including gates)	A1 Hydro ejector and piping inspection/repair.		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	20	Unplanned (Forced) Outage - Immediate	7/1/2021	0:00:00	7/31/2021	23:59:00	744	4899	Other miscellaneous generator problems	During Turbine Combustion inspection, a generator inspection revealed suspicious findi		152

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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	46	Unplanned (Forced) Outage - Immediate	7/1/2021	0:00:00	7/31/2021	23:59:00	744	3999	Other miscellaneous balance o	During Turbine Combustion inspection, a generator inspection revealed suspicious fin		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	73	Reserve Shutdown	7/1/2021	0:39:00	7/1/2021	13:21:00	12.7			Reserve Shutdown	150	150
Polk 2	74	Reserve Shutdown	7/10/2021	0:42:00	7/10/2021	13:06:00	12.4			Reserve Shutdown	150	150
Polk 2	75	Reserve Shutdown	7/13/2021	10:46:00	7/13/2021	13:25:00	2.65			Reserve Shutdown	150	150
Polk 2	76	Reserve Shutdown	7/17/2021	2:07:00	7/17/2021	13:01:00	10.9			Reserve Shutdown	150	150
Polk 2	77	Reserve Shutdown	7/28/2021	2:22:00	7/28/2021	3:19:00	0.95			Reserve Shutdown	150	150
Polk 2	78	Reserve Shutdown	7/30/2021	0:05:00	7/30/2021	1:45:00	1.67			Reserve Shutdown	150	150
Polk 2	79	Unplanned (Forced) Outage - Immediate	7/30/2021	5:19:00	7/30/2021	7:30:00	2.18	5250	Controls and instrumentation	Unit had been on-line about 4 hours. At 0519 there was a high differential pressure b	150	150
Polk 2	80	Reserve Shutdown	7/30/2021	7:30:00	7/30/2021	8:06:00	0.6			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 2 ST	19	Maintenance Derating	7/13/2021	8:40:00	7/13/2021	10:44:00	2.07	3839	Other auxiliary steam problems	CT2 was in simple cycle for a planned simple cycle stack linearity test (CEMS)	353	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	54	Reserve Shutdown	7/1/2021	19:14:00	7/1/2021	20:48:00	1.57			Reserve Shutdown		150
Polk 3	55	Reserve Shutdown	7/1/2021	21:35:00	7/2/2021	12:47:00	15.2			Reserve Shutdown		150
Polk 3	56	Reserve Shutdown	7/11/2021	0:02:00	7/12/2021	0:01:00	23.98			Reserve Shutdown		150
Polk 3	57	Reserve Shutdown	7/12/2021	1:43:00	7/12/2021	11:35:00	9.87			Reserve Shutdown		150
Polk 3	58	Reserve Shutdown	7/19/2021	1:22:00	7/19/2021	11:07:00	9.75			Reserve Shutdown		150
Polk 3	59	Reserve Shutdown	7/27/2021	1:53:00	7/27/2021	12:19:00	10.43			Reserve Shutdown		150

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Unit	Event Number	Event Type	Event Begin Date	Event Begin Time	Event End Date	Event End Time	Event Duration	Cause Code	Cause Code Description	Narrative	Net Available Capacity	Net Dependable Capacity
Polk 4	26	Unplanned (Forced) Outage - Immediate	7/7/2021	0:02:00	7/7/2021	13:30:00	13.47	3612	Switchyard system protection devices	Online Trip. Trip Load = 124.251 MW, fuel_type = Natural Gas, rotor speed = 3642.26 rp		150
Polk 4	27	Reserve Shutdown	7/7/2021	13:30:00	7/7/2021	14:13:00	0.72			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	34	Unplanned (Forced) Outage - immediate	7/7/2021	0:02:00	7/7/2021	20:55:00	20.88	3612	Switchyard system protection devices	Online Trip. Trip Load = 143 MW, fuel_type = Natural Gas, rotor speed = 3644 rpm, ambi		150
Polk 5	35	Reserve Shutdown	7/7/2021	20:55:00	7/8/2021	9:32:00	12.62			Reserve Shutdown		150