

**EXHIBIT TO THE TESTIMONY OF
PENELOPE A. RUSK**

DOCUMENT NO. 1

**PROJECTED CAPACITY COST RECOVERY
JANUARY 2018 - DECEMBER 2018
AND
SCHEDULE E12**

**TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ENERGY & DEMAND ALLOCATION BY RATE CLASS
JANUARY 2018 THROUGH DECEMBER 2018
PROJECTED**

RATE CLASS	(1) AVG 12 CP LOAD FACTOR AT METER (%)	(2) PROJECTED SALES AT METER (MWH)	(3) PROJECTED AVG 12 CP AT METER (MW)	(4) DEMAND LOSS EXPANSION FACTOR	(5) ENERGY LOSS EXPANSION FACTOR	(6) PROJECTED SALES AT GENERATION (MWH)	(7) PROJECTED AVG 12 CP AT GENERATION (MW)	(8) PERCENTAGE OF SALES AT GENERATION (%)	(9) PERCENTAGE OF DEMAND AT GENERATION (%)	(10) 12 CP & 1/13 AVG DEMAND FACTOR (%)
RS,RSVP	54.90%	9,247,032	1,923	1.07913	1.05247	9,732,187	2,075	47.46%	56.37%	55.68%
GS, TS	60.53%	947,710	179	1.07913	1.05245	997,418	193	4.86%	5.24%	5.21%
GSD Optional	3.53%	373,897	55	1.07468	1.04884	392,159	59	1.91%	1.60%	1.62%
GSD, SBF	74.34%	7,873,825	1,154	1.07468	1.04884	8,258,409	1,240	40.27%	33.69%	34.20%
IS,SBI	100.93%	911,875	103	1.02898	1.01784	928,138	106	4.53%	2.88%	3.01%
LS1	291.75%	189,780	7	1.07913	1.05247	199,737	8	0.97%	0.22%	0.28%
TOTAL		19,544,119	3,421			20,508,048	3,681	100.00%	100.00%	100.00%

- (1) AVG 12 CP load factor based on 2017 projected calendar data.
- (2) Projected MWH sales for the period January 2018 thru December 2018.
- (3) Based on 12 months average CP at meter.
- (4) Based on 2017 projected demand losses.
- (5) Based on 2017 projected energy losses.
- (6) Col (2) * Col (5).
- (7) Col (3) * Col (4).
- (8) Based on 12 months average percentage of sales at generation.
- (9) Based on 12 months average percentage of demand at generation.
- (10) Col (8) * 0.0769 + Col (9) * 0.9231

**TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ENERGY & DEMAND ALLOCATION BY RATE CLASS
JANUARY 2018 THROUGH DECEMBER 2018
PROJECTED**

	January	February	March	April	May	June	July	August	September	October	November	December	Total
1 UNIT POWER CAPACITY CHARGES	839,740	839,740	839,740	839,740	839,740	839,740	839,740	839,740	839,740	839,740	839,740	812,650	10,049,790
2 CAPACITY PAYMENTS TO COGENERATORS	0	0	0	0	0	0	0	0	0	0	0	0	0
3 (UNIT POWER CAPACITY REVENUES)	(159,820)	(159,820)	(159,820)	(159,820)	(159,820)	(159,820)	(159,820)	(159,820)	(159,820)	(159,820)	(159,820)	(159,820)	(1,917,840)
4 TOTAL CAPACITY DOLLARS	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$652,830	\$8,131,950
5 SEPARATION FACTOR	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	
6 JURISDICTIONAL CAPACITY DOLLARS	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$652,830	\$8,131,950
7 ACTUAL/ESTIMATED TRUE-UP FOR THE PERIOD JAN. 2017 - DEC. 2017													2,762,938
8 TOTAL													\$10,894,888
9 REVENUE TAX FACTOR													1.00072
10 TOTAL RECOVERABLE CAPACITY DOLLARS													\$10,902,732

**TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ENERGY & DEMAND ALLOCATION BY RATE CLASS
JANUARY 2018 THROUGH DECEMBER 2018
PROJECTED**

RATE CLASS	(1) PERCENTAGE OF SALES AT GENERATION (%)	(2) PERCENTAGE OF DEMAND AT GENERATION (%)	(3) ENERGY RELATED COSTS (\$)	(4) DEMAND RELATED COSTS (\$)	(5) TOTAL CAPACITY COSTS (\$)	(6) PROJECTED SALES AT METER (MWH)	(7) EFFECTIVE AT SECONDARY LEVEL (MWH)	(8) BILLING KW LOAD FACTOR (%)	(9) PROJECTED BILLED KW AT METER (kw)	(10) CAPACITY RECOVERY FACTOR (\$/kw)	(11) CAPACITY RECOVERY FACTOR (\$/kwh)
RS	47.46%	56.37%	397,914	5,673,253	6,071,167	9,247,032	9,247,032				0.00066
GS, CS	4.86%	5.24%	40,747	527,370	568,117	947,710	947,710				0.00060
GSD, SBF											
Secondary						6,412,460	6,412,460			0.20	
Primary						1,452,710	1,438,183			0.20	
Transmission						8,655	8,482			0.20	
GSD, SBF - Standard	40.27%	33.69%	337,632	3,390,667	3,728,299	7,873,825	7,859,125	58.99%	18,250,438		
GSD - Optional	1.91%	1.60%	16,014	161,029	177,043						
Secondary						363,508	363,508				0.00047
Primary						10,389	10,285				0.00047
IS, SBI											
Primary						184,182	182,340			0.14	
Transmission						727,693	713,139			0.14	
Total IS, SBI	4.53%	2.88%	37,980	289,852	327,832	911,875	895,479	52.85%	2,321,101		
LS1	0.97%	0.22%	8,133	22,141	30,274	189,780	189,780				0.00016
TOTAL	100.00%	100.00%	838,420	10,064,312	10,902,732	19,544,119	19,512,919				0.00056

- (1) Obtained from page 1.
- (2) Obtained from page 1.
- (3) Total capacity costs * 0.0769 * Col (1).
- (4) Total capacity costs * 0.9231 * Col (2).
- (5) Col (3) + Col (4).
- (6) Projected kWh sales for the period January 2018 through December 2018.
- (7) Projected kWh sales at secondary for the period January 2018 through December 2018.
- (8) Col 7 / (Col 9 * 730) * 1000
- (9) Projected kw demand for the period January 2018 through December 2018.
- (10) Total Col (5) / Total Col (9).
- (11) {Col (5) / Total Col (7)} / 1000.

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TAMPA ELECTRIC COMPANY
CAPACITY COSTS
ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018

SCHEDULE E12

CONTRACT	TERM		CONTRACT TYPE
	START	END	
PASCO COGEN	1/1/2009	12/31/2018	LT
SEMINOLE ELECTRIC **	6/1/1992	-----	

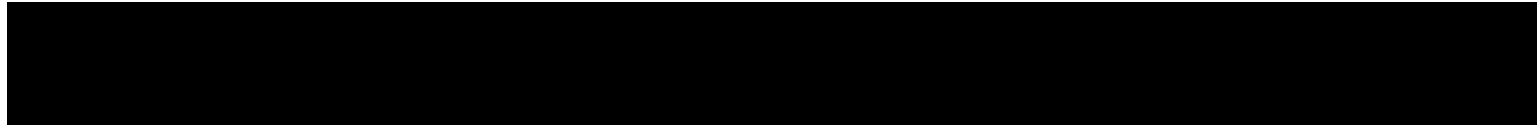
QF = QUALIFYING FACILITY
 LT = LONG TERM
 ST = SHORT-TERM
 ** THREE YEAR NOTICE REQUIRED FOR TERMINATION.

CONTRACT	JANUARY MW	FEBRUARY MW	MARCH MW	APRIL MW	MAY MW	JUNE MW	JULY MW	AUGUST MW	SEPTEMBER MW	OCTOBER MW	NOVEMBER MW	DECEMBER MW
PASCO COGEN	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0	121.0
SEMINOLE ELECTRIC	1.4	1.4	1.5	1.8	1.3	1.4	1.5	1.7	1.4	1.4	1.2	1.2

CAPACITY	JANUARY (\$)	FEBRUARY (\$)	MARCH (\$)	APRIL (\$)	MAY (\$)	JUNE (\$)	JULY (\$)	AUGUST (\$)	SEPTEMBER (\$)	OCTOBER (\$)	NOVEMBER (\$)	DECEMBER (\$)	TOTAL (\$)
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PASCO COGEN - D
SUBTOTAL CAPACITY PURCHASES

SEMINOLE ELECTRIC - D
VARIOUS MARKET BASED
SUBTOTAL CAPACITY SALES



TOTAL PURCHASES AND (SALES)	679,920	679,920	679,920	679,920	679,920	679,920	679,920	679,920	679,920	679,920	679,920	652,830	8,131,950
TOTAL CAPACITY	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$679,920	\$652,830	\$8,131,950

**EXHIBIT TO THE TESTIMONY OF
PENELOPE A. RUSK**

DOCUMENT NO. 2

PROJECTED FUEL AND PURCHASED POWER COST RECOVERY

JANUARY 2018 - DECEMBER 2018

**SCHEDULES E1 THROUGH E10
SCHEDULE H1**

TAMPA ELECTRIC COMPANY

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5	Schedule E1-D Fuel Adjustment Factor for TOD	(")
6	Schedule E1-E Fuel Recovery Factor-with Line Losses	(")
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8-9	Schedule E3 Generating System Comparative Data	(")
10-21	Schedule E4 System Net Generation & Fuel Cost	(")
22-23	Schedule E5 Inventory Analysis	(")
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28	Schedule E9 Economy Energy Purchases	(")
29	Schedule E10 Residential Bill Comparison	(")
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**TAMPA ELECTRIC COMPANY
FUEL AND PURCHASED POWER
COST RECOVERY CLAUSE CALCULATION
ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018**

SCHEDULE E1

	DOLLARS	MWH	CENTS/KWH
1. Fuel Cost of System Net Generation (E3)	606,993,585	20,067,160	3.02481
2. Nuclear Fuel Disposal Cost	0	0	0.00000
3. Coal Car Investment	0	0	0.00000
4a. Big Bend Units 1-4 Igniters Conversion Project	4,877,765	20,067,160 ⁽¹⁾	0.02431
4b. Polk Unit 1 Ignition Conversion Project	1,650,886	20,067,160 ⁽¹⁾	0.00823
5. TOTAL COST OF GENERATED POWER (LINES 1 THROUGH 4b)	613,522,236	20,067,160	3.05734
6. Fuel Cost of Purchased Power - System (Exclusive of Economy)(E7)	2,681,380	67,450	3.97536
7. Energy Cost of Economy Purchases (E9)	9,706,470	313,280	3.09834
8. Demand and Non-Fuel Cost of Purchased Power	0	0	0.00000
9. Energy Payments to Qualifying Facilities (E8)	2,579,410	90,110	2.86251
10. TOTAL COST OF PURCHASED POWER (LINES 6 THROUGH 9)	14,967,260	470,840	3.17884
11. TOTAL AVAILABLE KWH (LINE 5 + LINE 10)		20,538,000	
12. Fuel Cost of Schedule D Sales - Jurisd. (E6)	270,150	10,340	2.61267
13. Fuel Cost of Market Based Sales - Jurisd. (E6)	361,827	11,990	3.01774
14. Gains on Sales	54,590	NA	NA
15. TOTAL FUEL COST AND GAINS OF POWER SALES	686,567	22,330	3.07464
16. Net Inadvertant Interchange		0	
17. Wheeling Received Less Wheeling Delivered		0	
18. Interchange and Wheeling Losses		(598)	
19. TOTAL FUEL AND NET POWER TRANSACTIONS (LINE 5+10-15+16+17-18)	627,802,929	20,516,268	3.06003
20. Net Unbilled	NA ^{(1)(a)}	NA ^(a)	NA
21. Company Use	1,064,890 ⁽¹⁾	34,800	0.00545
22. T & D Losses	28,683,156 ⁽¹⁾	937,349	0.14676
23. System MWH Sales	627,802,929	19,544,119	3.21223
24. Wholesale MWH Sales	0	0	0.00000
25. Jurisdictional MWH Sales	627,802,929	19,544,119	3.21223
26. Jurisdictional Loss Multiplier			1.00000
27. Jurisdictional MWH Sales Adjusted for Line Loss	627,802,929	19,544,119	3.21223
28. True-up ⁽²⁾	(17,081,137)	19,544,119	(0.08740)
29. Total Jurisdictional Fuel Cost (Excl. GPIF)	610,721,792	19,544,119	3.12484
30. Revenue Tax Factor			1.00072
31. Fuel Factor (Excl. GPIF) Adjusted for Taxes	611,161,512	19,544,119	3.12709
32. GPIF Adjusted for Taxes ⁽²⁾	47,392	19,544,119	0.00024
33. Fuel Factor Adjusted for Taxes Including GPIF	611,208,904	19,544,119	3.12733
34. Fuel Factor Rounded to Nearest .001 cents per KWH			3.127

^(a) Data not available at this time.

⁽¹⁾ Included For Informational Purposes Only

⁽²⁾ Calculation Based on Jurisdictional MWH Sales

**TAMPA ELECTRIC COMPANY
CALCULATION OF PROJECTED PERIOD TOTAL TRUE-UP
FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018**

SCHEDULE E1-A

1. ESTIMATED OVER/(UNDER) RECOVERY (SCH. E1-B) January 2017 - December 2017 (6 months actual, 6 months estimated)	\$38,652,694
2. FINAL TRUE-UP (January 2016 - December 2016) (Per True-Up filed March 1, 2017)	<u>(21,571,557)</u>
3. TOTAL OVER/(UNDER) RECOVERY (Line 1 + Line 2) To be included in the 12-month projected period January 2018 through December 2018 (Schedule E1, line 28)	<u>\$17,081,137</u>
4. JURISDICTIONAL MWH SALES (Projected January 2018 through December 2018)	19,544,119
5. TRUE-UP FACTOR - cents/kWh (Line 3 / Line 4 * 100 cents / 1,000 kWh)	(0.0874)

**TAMPA ELECTRIC COMPANY
INCENTIVE FACTOR AND TRUE-UP FACTOR
FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018**

SCHEDULE E1-C

1. TOTAL AMOUNT OF ADJUSTMENTS		
A. GENERATING PERFORMANCE INCENTIVE REWARD / (PENALTY) (January 2018 through December 2018)	\$47,392	
B. TRUE-UP OVER / (UNDER) RECOVERED (January 2017 through December 2017)	\$17,081,137	
2. TOTAL SALES (January 2018 through December 2018)	19,544,119	MWh
3. ADJUSTMENT FACTORS		
A. GENERATING PERFORMANCE INCENTIVE FACTOR	0.0002	Cents/kWh
B. TRUE-UP FACTOR	(0.0874)	Cents/kWh

**DETERMINATION OF FUEL RECOVERY FACTOR
 TIME OF USE RATE SCHEDULES
 TAMPA ELECTRIC COMPANY
 ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018**

SCHEDULE E1-D

			NET ENERGY FOR LOAD (%)		FUEL COST (%)
		ON PEAK	30.13		\$24.05
		OFF PEAK	69.87		\$22.01
			100.00		1.0927
		<u>TOTAL</u>	<u>ON PEAK</u>		<u>OFF PEAK</u>
1	Total Fuel & Net Power Trans (Jurisd)	\$627,802,929			
2	MWH Sales (Jurisd)	19,544,119			
2a	Effective MWH Sales (Jurisd)	19,512,919			
3	Cost Per KWH Sold	3.2122			
4	Jurisdictional Loss Factor	1.00000			
5	Jurisdictional Fuel Factor	na			
6	True-Up	(\$17,081,137)			
7	TOTAL	\$610,721,792			
8	Revenue Tax Factor	1.00072			
9	Recovery Factor	3.1321			
10	GPIF Factor	0.0002			
11	Recovery Factor Including GPIF	3.1323	3.3296		3.0472
12	Recovery Factor Rounded to the Nearest .001 cents/KWH	3.132	3.330		3.047

13 Hours: ON PEAK 25.38%

14 OFF PEAK 74.62%

100.00%

Jurisdictional Sales (MWH)

		Meter	Secondary
		17,160,490	17,160,490
		1,647,281	1,630,808
		736,348	721,621
		<u>19,544,119</u>	<u>19,512,919</u>
		Standard	Off-Peak
	Distribution Secondary	3.132	3.047
	Distribution Primary	3.101	3.017
	Transmission	3.069	2.986
	RS 1st Tier	2.818	
	RS 2nd Tier	3.818	
	Lighting	3.095	

SCHEDULE E1-E

TAMPA ELECTRIC COMPANY
FUEL COST RECOVERY FACTORS
ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018

METERING VOLTAGE LEVEL	LEVELIZED FUEL RECOVERY FACTOR cents/kWh	FIRST TIER (Up to 1000 kWh) cents/kWh	SECOND TIER (OVER 1000 kWh) cents/kWh
STANDARD			
Distribution Secondary (RS only)		2.818	3.818
Distribution Secondary	3.132		
Distribution Primary	3.101		
Transmission	3.069		
Lighting Service ⁽¹⁾	3.095		
TIME-OF-USE			
Distribution Secondary - On-Peak	3.330		
Distribution Secondary - Off-Peak	3.047		
Distribution Primary - On-Peak	3.297		
Distribution Primary - Off-Peak	3.017		
Transmission - On-Peak	3.263		
Transmission - Off-Peak	2.986		

(1) Lighting service is based on distribution secondary, 17% on-peak and 83% off-peak

TAMPA ELECTRIC COMPANY
 FUEL AND PURCHASED POWER COST RECOVERY CLAUSE CALCULATION
 ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018

	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)
	Jan-18	Feb-18	Mar-18	Apr-18	May-18	ESTIMATED Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL PERIOD
1. Fuel Cost of System Net Generation	48,013,965	42,401,087	47,784,228	45,706,999	52,094,831	57,479,687	59,460,784	60,772,408	55,242,221	50,276,622	42,752,770	45,007,983	606,993,585
2. Nuclear Fuel Disposal	0	0	0	0	0	0	0	0	0	0	0	0	0
3. Fuel Cost of Power Sold ⁽¹⁾	60,351	54,428	69,944	58,306	51,273	53,454	63,542	71,188	52,994	64,355	38,714	48,018	686,567
4. Fuel Cost of Purchased Power	35,830	60,680	162,060	107,650	147,910	288,370	391,020	309,040	254,740	362,720	423,770	137,590	2,681,380
5. Demand and Non-Fuel Cost of Purchased Power	0	0	0	0	0	0	0	0	0	0	0	0	0
6. Payments to Qualifying Facilities	283,760	230,640	185,740	158,380	219,420	183,820	220,950	259,590	184,910	241,610	220,790	189,800	2,579,410
7. Energy Cost of Economy Purchases	787,240	720,460	864,050	930,880	730,820	707,410	927,720	963,660	897,480	870,580	595,610	710,560	9,706,470
8. Big Bend Units 1-4 Igniters Conversion Project	420,537	417,981	415,425	412,870	410,315	407,757	405,202	402,647	400,092	397,535	394,980	392,424	4,877,765
9. Polk Unit 1 Ignition Conversion Project	280,083	278,109	276,136	274,161	272,186	270,211	0	0	0	0	0	0	1,650,886
10. TOTAL FUEL & NET POWER TRANSACTIONS	49,761,064	44,054,529	49,617,695	47,532,634	53,824,209	59,283,801	61,342,134	62,636,157	56,926,449	52,084,712	44,349,206	46,390,339	627,802,929
11. Jurisdictional MWH Sold	1,503,217	1,350,421	1,353,832	1,444,680	1,584,433	1,851,326	1,928,300	1,914,344	1,972,230	1,748,364	1,457,563	1,435,409	19,544,119
12. Jurisdictional % of Total Sales	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
13. Jurisdictional Total Fuel & Net Power Transactions (Line 10 * Line 12)	49,761,064	44,054,529	49,617,695	47,532,634	53,824,209	59,283,801	61,342,134	62,636,157	56,926,449	52,084,712	44,349,206	46,390,339	627,802,929
14. Jurisdictional Loss Multiplier	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000	1.00000
15. JURISD. TOTAL FUEL & NET PWR. TRANS. Adjusted for Line Losses (Line 13 * Line 14)	49,761,064	44,054,529	49,617,695	47,532,634	53,824,209	59,283,801	61,342,134	62,636,157	56,926,449	52,084,712	44,349,206	46,390,339	627,802,929
16. Cost Per kWh Sold (Cents/kWh)	3.3103	3.2623	3.6650	3.2902	3.3971	3.2022	3.1812	3.2719	2.8864	2.9791	3.0427	3.2319	3.2122
17. True-up (Cents/kWh) ⁽²⁾	(0.0874)	(0.0874)	(0.0874)	(0.0874)	(0.0874)	(0.0874)	(0.0874)	(0.0874)	(0.0874)	(0.0874)	(0.0874)	(0.0874)	(0.0874)
18. Total (Cents/kWh) (Line 16+17)	3.2229	3.1749	3.5776	3.2028	3.3097	3.1148	3.0938	3.1845	2.7990	2.8917	2.9553	3.1445	3.1248
19. Revenue Tax Factor	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072	1.00072
20. Recovery Factor Adjusted for Taxes (Cents/kWh) (Excluding GPIF)	3.2252	3.1772	3.5802	3.2051	3.3121	3.1170	3.0960	3.1868	2.8010	2.8938	2.9574	3.1468	3.1270
21. GPIF Adjusted for Taxes (Cents/kWh) ⁽²⁾	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
22. TOTAL RECOVERY FACTOR (LINE 20+21)	3.2254	3.1774	3.5804	3.2053	3.3123	3.1172	3.0962	3.1870	2.8012	2.8940	2.9576	3.1470	3.1272
23. RECOVERY FACTOR ROUNDED TO NEAREST 0.001 CENTS/KWH	3.225	3.177	3.580	3.205	3.312	3.117	3.096	3.187	2.801	2.894	2.958	3.147	3.127

⁽¹⁾ Includes Gains
⁽²⁾ Based on Jurisdictional Sales Only

TAMPA ELECTRIC COMPANY
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH JUNE 2018

SCHEDULE E3

	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
FUEL COST OF SYSTEM NET GENERATION (\$)						
1. HEAVY OIL	0	0	0	0	0	0
2. LIGHT OIL	66,291	56,093	50,993	53,543	66,291	53,543
3. COAL	15,655,404	13,607,271	13,486,830	12,065,932	14,195,155	15,854,483
4. NATURAL GAS	32,292,270	28,737,723	34,246,405	33,587,524	37,833,385	41,571,661
5. NUCLEAR	0	0	0	0	0	0
6. OTHER	0	0	0	0	0	0
7. TOTAL (\$)	48,013,965	42,401,087	47,784,228	45,706,999	52,094,831	57,479,687
SYSTEM NET GENERATION (MWH)						
8. HEAVY OIL	0	0	0	0	0	0
9. LIGHT OIL	280	240	220	220	280	220
10. COAL	537,300	452,910	434,830	384,760	449,160	496,070
11. NATURAL GAS	941,940	850,750	1,004,250	1,151,110	1,345,730	1,453,840
12. NUCLEAR	0	0	0	0	0	0
13. OTHER	3,030	3,200	4,370	4,870	5,150	4,530
14. TOTAL (MWH)	1,482,550	1,307,100	1,443,670	1,540,960	1,800,320	1,954,660
UNITS OF FUEL BURNED						
15. HEAVY OIL (BBL)	0	0	0	0	0	0
16. LIGHT OIL (BBL)	520	440	400	420	520	420
17. COAL (TON)	228,730	194,850	182,600	162,120	190,710	212,270
18. NATURAL GAS (MCF)	6,542,810	5,862,520	7,276,570	8,223,690	9,567,090	10,557,220
19. NUCLEAR (MMBTU)	0	0	0	0	0	0
20. OTHER	0	0	0	0	0	0
BTUS BURNED (MMBTU)						
21. HEAVY OIL	0	0	0	0	0	0
22. LIGHT OIL	2,980	2,580	2,360	2,440	2,960	2,440
23. COAL	5,535,180	4,673,320	4,474,730	3,991,810	4,659,160	5,147,330
24. NATURAL GAS	6,713,440	6,010,490	7,430,670	8,430,630	9,807,370	10,814,500
25. NUCLEAR	0	0	0	0	0	0
26. OTHER	0	0	0	0	0	0
27. TOTAL (MMBTU)	12,251,600	10,686,390	11,907,760	12,424,880	14,469,490	15,964,270
GENERATION MIX (% MWH)						
28. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
29. LIGHT OIL	0.02	0.02	0.02	0.01	0.02	0.01
30. COAL	36.24	34.65	30.12	24.97	24.94	25.38
31. NATURAL GAS	63.54	65.09	69.56	74.70	74.75	74.38
32. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00
33. OTHER	0.20	0.24	0.30	0.32	0.29	0.23
34. TOTAL (%)	100.00	100.00	100.00	100.00	100.00	100.00
FUEL COST PER UNIT						
35. HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
36. LIGHT OIL (\$/BBL)	127.48	127.48	127.48	127.48	127.48	127.48
37. COAL (\$/TON)	68.44	69.83	73.86	74.43	74.43	74.69
38. NATURAL GAS (\$/MCF)	4.94	4.90	4.71	4.08	3.95	3.94
39. NUCLEAR (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
40. OTHER	0.00	0.00	0.00	0.00	0.00	0.00
FUEL COST PER MMBTU (\$/MMBTU)						
41. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
42. LIGHT OIL	22.25	21.74	21.61	21.94	22.40	21.94
43. COAL	2.83	2.91	3.01	3.02	3.05	3.08
44. NATURAL GAS	4.81	4.78	4.61	3.98	3.86	3.84
45. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00
46. OTHER	0.00	0.00	0.00	0.00	0.00	0.00
47. TOTAL (\$/MMBTU)	3.92	3.97	4.01	3.68	3.60	3.60
BTU BURNED PER KWH (BTU/KWH)						
48. HEAVY OIL	0	0	0	0	0	0
49. LIGHT OIL	10,643	10,750	10,727	11,091	10,571	11,091
50. COAL	10,302	10,318	10,291	10,375	10,373	10,376
51. NATURAL GAS	7,127	7,065	7,399	7,324	7,288	7,439
52. NUCLEAR	0	0	0	0	0	0
53. OTHER	0	0	0	0	0	0
54. TOTAL (BTU/KWH)	8,264	8,176	8,248	8,063	8,037	8,167
GENERATED FUEL COST PER KWH (CENTS/KWH)						
55. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
56. LIGHT OIL	23.68	23.37	23.18	24.34	23.68	24.34
57. COAL	2.91	3.00	3.10	3.14	3.16	3.20
58. NATURAL GAS	3.43	3.38	3.41	2.92	2.81	2.86
59. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00
60. OTHER	0.00	0.00	0.00	0.00	0.00	0.00
61. TOTAL (CENTS/KWH)	3.24	3.24	3.31	2.97	2.89	2.94

TAMPA ELECTRIC COMPANY
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
ESTIMATED FOR THE PERIOD: JULY 2018 THROUGH DECEMBER 2018

SCHEDULE E3

	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
FUEL COST OF SYSTEM NET GENERATION (\$)							
1. HEAVY OIL	0	0	0	0	0	0	0
2. LIGHT OIL	50,993	63,742	53,543	66,291	40,795	66,291	688,409
3. COAL	16,474,522	14,572,656	11,925,854	13,013,277	15,849,558	13,905,918	170,606,860
4. NATURAL GAS	42,935,269	46,136,010	43,262,824	37,197,054	26,862,417	31,035,774	435,698,316
5. NUCLEAR	0	0	0	0	0	0	0
6. OTHER	0	0	0	0	0	0	0
7. TOTAL (\$)	59,460,784	60,772,408	55,242,221	50,276,622	42,752,770	45,007,983	606,993,585
SYSTEM NET GENERATION (MWH)							
8. HEAVY OIL	0	0	0	0	0	0	0
9. LIGHT OIL	220	280	220	280	180	280	2,920
10. COAL	513,350	457,910	376,400	404,900	503,610	445,770	5,456,970
11. NATURAL GAS	1,499,930	1,586,040	1,496,860	1,258,190	844,760	1,031,760	14,465,160
12. NUCLEAR	0	0	0	0	0	0	0
13. OTHER	4,420	4,260	29,420	30,310	25,660	22,890	142,110
14. TOTAL (MWH)	2,017,920	2,048,490	1,902,900	1,693,680	1,374,210	1,500,700	20,067,160
UNITS OF FUEL BURNED							
15. HEAVY OIL (BBL)	0	0	0	0	0	0	0
16. LIGHT OIL (BBL)	400	500	420	520	320	520	5,400
17. COAL (TON)	219,420	200,420	169,900	174,790	215,060	187,780	2,338,650
18. NATURAL GAS (MCF)	10,839,890	11,657,860	10,955,480	9,360,880	6,349,920	7,276,700	104,470,630
19. NUCLEAR (MMBTU)	0	0	0	0	0	0	0
20. OTHER	0	0	0	0	0	0	0
BTUS BURNED (MMBTU)							
21. HEAVY OIL	0	0	0	0	0	0	0
22. LIGHT OIL	2,360	2,960	2,440	2,960	1,820	3,040	31,340
23. COAL	5,320,520	4,747,190	3,914,400	4,211,620	5,211,620	4,591,740	56,478,090
24. NATURAL GAS	11,096,940	11,957,950	11,233,460	9,577,140	6,506,600	7,457,170	107,036,360
25. NUCLEAR	0	0	0	0	0	0	0
26. OTHER	0	0	0	0	0	0	0
27. TOTAL (MMBTU)	16,419,820	16,708,100	15,150,300	13,791,190	11,720,040	12,051,950	163,545,790
GENERATION MIX (% MWH)							
28. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29. LIGHT OIL	0.01	0.01	0.01	0.02	0.01	0.02	0.01
30. COAL	25.44	22.36	19.78	23.90	36.65	29.70	27.20
31. NATURAL GAS	74.33	77.42	78.66	74.29	61.47	68.75	72.08
32. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33. OTHER	0.22	0.21	1.55	1.79	1.87	1.53	0.71
34. TOTAL (%)	100.00	100.00	100.00	100.00	100.00	100.00	100.00
FUEL COST PER UNIT							
35. HEAVY OIL (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
36. LIGHT OIL (\$/BBL)	127.48	127.48	127.48	127.48	127.48	127.48	127.48
37. COAL (\$/TON)	75.08	72.71	70.19	74.45	73.70	74.05	72.95
38. NATURAL GAS (\$/MCF)	3.96	3.96	3.95	3.97	4.23	4.27	4.17
39. NUCLEAR (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
40. OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
FUEL COST PER MMBTU (\$/MMBTU)							
41. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
42. LIGHT OIL	21.61	21.53	21.94	22.40	22.41	21.81	21.97
43. COAL	3.10	3.07	3.05	3.09	3.04	3.03	3.02
44. NATURAL GAS	3.87	3.86	3.85	3.88	4.13	4.16	4.07
45. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
46. OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
47. TOTAL (\$/MMBTU)	3.62	3.64	3.65	3.65	3.65	3.73	3.71
BTU BURNED PER KWH (BTU/KWH)							
48. HEAVY OIL	0	0	0	0	0	0	0
49. LIGHT OIL	10,727	10,571	11,091	10,571	10,111	10,857	10,733
50. COAL	10,364	10,367	10,400	10,400	10,349	10,301	10,350
51. NATURAL GAS	7,398	7,540	7,505	7,612	7,702	7,228	7,400
52. NUCLEAR	0	0	0	0	0	0	0
53. OTHER	0	0	0	0	0	0	0
54. TOTAL (BTU/KWH)	8,137	8,156	7,962	8,143	8,529	8,031	8,150
GENERATED FUEL COST PER KWH (CENTS/KWH)							
55. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
56. LIGHT OIL	23.18	22.77	24.34	23.68	22.66	23.68	23.58
57. COAL	3.21	3.18	3.17	3.21	3.15	3.12	3.13
58. NATURAL GAS	2.86	2.91	2.89	2.96	3.18	3.01	3.01
59. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
60. OTHER	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61. TOTAL (CENTS/KWH)	2.95	2.97	2.90	2.97	3.11	3.00	3.02

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: JANUARY 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	230	19.3	-	19.3	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	180	16.1	-	16.1	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	2,620	18.2	-	18.2	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	-	-	-	-	-	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 22.5	3,030	18.1	-	18.1	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	0	0.0	-	-	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
7. B.B.#1 COAL	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	395	0	0.0	43.2	0.0	0				0.0	0	0.00	-
9. B.B.#2 NAT GAS CO-FIRE	185	0	0.0	-	-	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
10. B.B.#2 COAL	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	395	0	0.0	56.7	0.0	0				0.0	0	0.00	-
12. B.B.#3 NAT GAS CO-FIRE	185	10,010	7.3	-	-	-	NG CO-FIRE	100,290	1,028,019	103,100.0	495,912	4.95	4.94
13. B.B.#3 COAL	400	190,280	63.9	-	-	-	COAL	85,020	23,040,108	1,958,870.0	5,483,654	2.88	64.50
14. TOTAL BIG BEND #3	400	200,290	67.3	67.7	86.0	10,295				2,061,970.0	5,979,566	2.99	-
15. B.B.#4 NAT GAS CO-FIRE	175	11,250	8.6	-	-	-	NG CO-FIRE	113,360	1,028,052	116,540.0	560,540	4.98	4.94
16. B.B.#4 COAL	442	213,790	65.0	-	-	-	COAL	96,100	23,041,103	2,214,250.0	6,198,297	2.90	64.50
17. TOTAL BIG BEND #4	442	225,040	68.4	68.8	85.7	10,357				2,330,790.0	6,758,837	3.00	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	9,600	-	9,870.0	47,470	-	4.94
19. BIG BEND 1-4 COAL TOTAL	1,632	404,070	33.3	59.4	81.6	10,328	COAL	181,120	23,040,636	4,173,120.0	11,681,951	2.89	64.50
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	61	260	0.6	-	85.2	12,269	GAS	3,110	1,025,723	3,190.0	15,378	5.91	4.94
22. B.B.C.T.#4 TOTAL	61	260	0.6	98.3	85.2	12,269				3,190.0	15,378	5.91	-
23. BIG BEND STATION TOTAL	1,693	425,590	33.8	60.8	85.9	10,329				4,395,950.0	12,801,251	3.01	-
24. POLK #1 GASIFIER	220	133,230	81.4	-	97.0	10,223	COAL	47,610	28,608,696	1,362,060.0	3,925,983	2.95	82.46
25. POLK #1 CT GAS	205	0	0.0	-	0.0	-	GAS	2,630	0	0.0	0	0.00	0.00
26. POLK #1 TOTAL	220	133,230	81.4	72.7	97.0	10,223				1,362,060.0	3,925,983	2.95	-
27. POLK #2 CT (GAS)	180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
28. POLK #2 CT (OIL)	187	140	0.1	-	15.0	10,643	LGT OIL	260	5,730,769	1,490.0	33,146	23.68	127.48
29. POLK #2 TOTAL	(4) 180	140	0.1	-	15.0	10,643				1,490.0	33,146	23.68	-
30. POLK #3 CT GAS	180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
31. POLK #3 CT OIL	187	140	0.1	-	15.0	10,643	LGT OIL	260	5,730,769	1,490.0	33,145	23.68	127.48
32. POLK #3 TOTAL	(4) 180	140	0.1	-	15.0	10,643				1,490.0	33,145	23.68	-
33. POLK #4 CT GAS	(4) 180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK #5 CT GAS	(4) 180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
35. POLK #2 ST DUCT FIRING	120	880	1.0	-	81.5	8,182	GAS	7,000	1,028,571	7,200.0	34,613	3.93	4.94
36. POLK #2 ST W/O DUCT FIRING	360	617,090	-	-	-	-	GAS	4,055,120	1,028,002	4,168,670.0	20,051,670	3.25	4.94
37. POLK #2 CC TOTAL	1,200	617,970	69.2	97.3	69.3	6,757	GAS	-	-	4,175,870.0	20,086,283	3.25	-
38. POLK STATION TOTAL	1,420	751,480	71.1	93.5	81.5	7,373				5,540,910.0	24,078,557	3.20	-
39. BAYSIDE #1	792	221,240	37.5	96.5	43.0	7,502	GAS	1,614,440	1,027,997	1,659,640.0	7,983,048	3.61	4.94
40. BAYSIDE #2	1,047	81,160	10.4	96.2	27.1	8,064	GAS	636,630	1,027,991	654,450.0	3,147,994	3.88	4.94
41. BAYSIDE #3	61	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
42. BAYSIDE #4	61	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
43. BAYSIDE #5	61	50	0.1	98.6	82.0	13,000	GAS	630	1,031,746	650.0	3,115	6.23	4.94
44. BAYSIDE #6	61	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
45. BAYSIDE TOTAL	2,083	302,450	19.5	87.9	37.1	7,653	GAS	2,251,700	1,027,997	2,314,740.0	11,134,157	3.68	4.94
46. SYSTEM	5,218	1,482,550	38.2	80.3	86.5	8,264				12,251,600.0	48,013,965	3.24	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE
NG = NATURAL GAS
ST = STEAM
CC = COMBINED CYCLE

(1) As burned fuel cost system total includes ignition
(2) Fuel burned (MM BTU) system total excludes ignition
(3) AC rating

(4) In Simple Cycle Mode

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: FEBRUARY 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	230	21.4	-	21.4	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	170	16.9	-	16.9	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	2,800	21.5	-	21.5	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	-	-	-	-	-	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 22.5	3,200	21.2	-	21.2	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	0	0.0	-	-	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
7. B.B.#1 COAL	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	395	0	0.0	40.1	0.0	0				0.0	0	0.00	-
9. B.B.#2 NAT GAS CO-FIRE	185	0	0.0	-	-	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
10. B.B.#2 COAL	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	395	0	0.0	52.7	0.0	0				0.0	0	0.00	-
12. B.B.#3 NAT GAS CO-FIRE	185	9,060	7.3	-	-	-	NG CO-FIRE	90,760	1,027,986	93,300.0	446,097	4.92	4.92
13. B.B.#3 COAL	400	172,220	64.1	-	-	-	COAL	76,940	23,039,771	1,772,680.0	5,109,184	2.97	66.40
14. TOTAL BIG BEND #3	400	181,280	67.4	67.7	86.2	10,293				1,865,980.0	5,555,281	3.06	-
15. B.B.#4 NAT GAS CO-FIRE	175	10,020	8.5	-	-	-	NG CO-FIRE	101,030	1,028,011	103,860.0	496,575	4.96	4.92
16. B.B.#4 COAL	442	190,440	64.1	-	-	-	COAL	85,650	23,038,996	1,973,290.0	5,687,572	2.99	66.40
17. TOTAL BIG BEND #4	442	200,460	67.5	68.8	85.6	10,362				2,077,150.0	6,184,147	3.08	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	9,600	-	9,870.0	47,185	-	4.92
19. BIG BEND 1-4 COAL TOTAL	1,632	362,660	33.1	57.7	81.6	10,329	COAL	162,590	23,039,363	3,745,970.0	10,796,756	2.98	66.40
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	61	540	1.3	-	88.5	11,778	GAS	6,190	1,027,464	6,360.0	30,425	5.63	4.92
22. B.B.C.T.#4 TOTAL	61	540	1.3	98.3	88.5	11,778				6,360.0	30,425	5.63	-
23. BIG BEND STATION TOTAL	1,693	382,280	33.6	59.2	85.9	10,331				3,949,490.0	11,817,038	3.09	-
24. POLK #1 GASIFIER	220	90,250	61.0	-	97.0	10,275	COAL	32,260	28,746,125	927,350.0	2,763,330	3.06	85.66
25. POLK #1 CT GAS	205	4,730	3.4	-	82.4	8,165	GAS	43,710	883,551	38,620.0	184,711	3.91	4.23
26. POLK #1 TOTAL	220	94,980	64.2	54.5	96.1	10,170				965,970.0	2,948,041	3.10	-
27. POLK #2 CT (GAS)	180	1,130	0.9	-	69.8	12,027	GAS	13,220	1,027,988	13,590.0	64,977	5.75	4.92
28. POLK #2 CT (OIL)	187	120	0.1	-	16.0	10,750	LGT OIL	220	5,863,636	1,290.0	28,047	23.37	127.48
29. POLK #2 TOTAL	(4) 180	1,250	1.0	-	52.8	11,904				14,880.0	93,023	7.44	-
30. POLK #3 CT GAS	180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
31. POLK #3 CT OIL	187	120	0.1	-	16.0	10,750	LGT OIL	220	5,863,636	1,290.0	28,047	23.37	127.49
32. POLK #3 TOTAL	(4) 180	120	0.1	-	16.0	10,750				1,290.0	28,047	23.37	-
33. POLK #4 CT GAS	(4) 180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK #5 CT GAS	(4) 180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
35. POLK #2 ST DUCT FIRING	120	1,960	2.4	-	65.3	8,168	GAS	15,580	1,027,599	16,010.0	76,578	3.91	4.92
36. POLK #2 ST W/O DUCT FIRING	360	567,040	-	-	-	-	GAS	3,728,500	1,028,001	3,832,900.0	18,326,056	3.23	4.92
37. POLK #2 CC TOTAL	1,200	569,000	70.6	97.3	68.9	6,764	GAS	-	-	3,848,910.0	18,402,634	3.23	-
38. POLK STATION TOTAL	1,420	665,350	69.7	90.7	79.2	7,261				4,831,050.0	21,471,745	3.23	-
39. BAYSIDE #1	792	255,270	48.0	96.5	49.4	7,420	GAS	1,842,440	1,028,001	1,894,030.0	9,055,829	3.55	4.92
40. BAYSIDE #2	1,047	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
41. BAYSIDE #3	61	170	0.4	98.6	92.9	11,647	GAS	1,930	1,025,907	1,980.0	9,486	5.58	4.92
42. BAYSIDE #4	61	120	0.3	98.6	98.4	11,083	GAS	1,290	1,031,008	1,330.0	6,341	5.28	4.92
43. BAYSIDE #5	61	430	1.0	98.6	88.1	12,070	GAS	5,050	1,027,723	5,190.0	24,821	5.77	4.92
44. BAYSIDE #6	61	280	0.7	98.6	91.8	11,857	GAS	3,220	1,031,056	3,320.0	15,827	5.65	4.92
45. BAYSIDE TOTAL	2,083	256,270	18.3	48.2	49.4	7,437	GAS	1,853,930	1,028,005	1,905,850.0	9,112,304	3.56	4.92
46. SYSTEM	5,218	1,307,100	37.3	63.1	100.0	8,176				10,686,390.0	42,401,087	3.24	-

LEGEND:

B.B. = BIG BEND NG = NATURAL GAS CC = COMBINED CYCLE
CT = COMBUSTION TURBINE ST = STEAM

⁽¹⁾ As burned fuel cost system total includes ignition
⁽²⁾ Fuel burned (MM BTU) system total excludes ignition
⁽³⁾ AC rating

⁽⁴⁾ In Simple Cycle Mode

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: MARCH 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	280	23.5	-	23.5	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	230	20.6	-	20.6	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	3,860	26.8	-	26.8	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	-	-	-	-	-	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 22.5	4,370	26.2	-	26.2	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	15,440	11.2	-	-	-	NG CO-FIRE	183,240	1,027,996	188,370.0	868,156	5.62	4.74
7. B.B.#1 COAL	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	395	15,440	5.3	26.5	46.5	12,200				188,370.0	868,156	5.62	-
9. B.B.#2 NAT GAS CO-FIRE	185	49,300	35.8	-	-	-	NG CO-FIRE	542,360	1,027,989	557,540.0	2,569,599	5.21	4.74
10. B.B.#2 COAL	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	395	49,300	16.8	34.8	52.7	11,309				557,540.0	2,569,599	5.21	-
12. B.B.#3 NAT GAS CO-FIRE	185	10,000	7.3	-	-	-	NG CO-FIRE	100,160	1,027,955	102,960.0	474,539	4.75	4.74
13. B.B.#3 COAL	400	190,010	63.8	-	-	-	COAL	84,910	23,038,982	1,956,240.0	5,782,856	3.04	68.11
14. TOTAL BIG BEND #3	400	200,010	67.2	67.7	85.9	10,295				2,059,200.0	6,257,395	3.13	-
15. B.B.#4 NAT GAS CO-FIRE	175	5,870	4.5	-	-	-	NG CO-FIRE	59,070	1,027,933	60,720.0	279,862	4.77	4.74
16. B.B.#4 COAL	442	111,590	33.9	-	-	-	COAL	50,080	23,037,740	1,153,730.0	3,410,736	3.06	68.11
17. TOTAL BIG BEND #4	442	117,460	35.7	37.7	86.6	10,339				1,214,450.0	3,690,598	3.14	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	43,000	-	44,200.0	203,726	-	4.74
19. BIG BEND 1-4 COAL TOTAL	1,632	301,600	24.8	41.6	60.9	10,312	COAL	134,990	23,038,521	3,109,970.0	9,193,592	3.05	68.11
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	61	3,590	7.9	-	84.1	11,735	GAS	40,980	1,028,062	42,130.0	194,155	5.41	4.74
22. B.B.C.T.#4 TOTAL	61	3,590	7.9	98.3	84.1	11,735				42,130.0	194,155	5.41	-
23. BIG BEND STATION TOTAL	1,693	385,800	30.6	43.7	77.2	10,528				4,061,690.0	13,783,630	3.57	-
24. POLK #1 GASIFIER	220	133,230	81.4	-	97.0	10,244	COAL	47,610	28,665,406	1,364,760.0	4,089,512	3.07	85.90
25. POLK #1 CT GAS	205	11,570	7.6	-	99.0	8,174	GAS	97,250	972,442	94,570.0	435,879	3.77	4.48
26. POLK #1 TOTAL	220	144,800	88.5	72.7	97.2	10,078				1,459,330.0	4,525,391	3.13	-
27. POLK #2 CT (GAS)	180	1,720	1.3	-	95.6	10,919	GAS	18,270	1,027,915	18,780.0	86,558	5.03	4.74
28. POLK #2 CT (OIL)	187	110	0.1	-	14.7	10,727	LGT OIL	200	5,900,000	1,180.0	25,497	23.18	127.49
29. POLK #2 TOTAL	(4) 180	1,830	1.4	-	71.8	10,907				19,960.0	112,055	6.12	-
30. POLK #3 CT GAS	180	1,720	1.3	-	95.6	10,901	GAS	18,250	1,027,397	18,750.0	86,465	5.03	4.74
31. POLK #3 CT OIL	187	110	0.1	-	14.7	10,727	LGT OIL	200	5,900,000	1,180.0	25,496	23.18	127.48
32. POLK #3 TOTAL	(4) 180	1,830	1.4	-	71.8	10,891				19,930.0	111,961	6.12	-
33. POLK #4 CT GAS	(4) 180	1,380	1.0	-	95.8	10,884	GAS	14,620	1,027,360	15,020.0	69,267	5.02	4.74
34. POLK #5 CT GAS	(4) 180	1,030	0.8	-	95.4	10,951	GAS	10,970	1,028,259	11,280.0	51,974	5.05	4.74
35. POLK #2 ST DUCT FIRING	120	11,670	13.1	-	84.6	8,175	GAS	92,800	1,028,017	95,400.0	439,669	3.77	4.74
36. POLK #2 ST W/O DUCT FIRING	360	614,980	-	-	-	-	GAS	4,048,100	1,027,998	4,161,440.0	19,179,128	3.12	4.74
37. POLK #2 CC TOTAL	1,200	626,650	70.2	97.3	61.5	6,793	GAS	-	-	4,256,840.0	19,618,797	3.13	-
38. POLK STATION TOTAL	1,420	777,520	73.6	93.5	77.5	7,437				5,782,360.0	24,489,445	3.15	-
39. BAYSIDE #1	792	270,830	46.0	96.5	52.4	7,396	GAS	1,948,400	1,027,997	2,002,950.0	9,231,148	3.41	4.74
40. BAYSIDE #2	1,047	0	0.0	0.0	0.0	0	GAS	0	0	0.0	1	0.00	0.00
41. BAYSIDE #3	61	1,150	2.5	98.6	89.8	11,600	GAS	12,990	1,026,944	13,340.0	61,544	5.35	4.74
42. BAYSIDE #4	61	640	1.4	98.6	95.4	11,578	GAS	7,200	1,029,167	7,410.0	34,112	5.33	4.74
43. BAYSIDE #5	61	2,270	5.0	98.6	80.9	11,925	GAS	26,320	1,028,495	27,070.0	124,699	5.49	4.74
44. BAYSIDE #6	61	1,090	2.4	98.6	85.1	11,872	GAS	12,590	1,027,800	12,940.0	59,649	5.47	4.74
45. BAYSIDE TOTAL	2,083	275,980	17.8	48.2	52.8	7,478	GAS	2,007,500	1,028,000	2,063,710.0	9,511,153	3.45	4.74
46. SYSTEM	5,218	1,443,670	37.2	58.9	99.1	8,248				11,907,760.0	47,784,228	3.31	-

LEGEND:

B.B. = BIG BEND NG = NATURAL GAS CC = COMBINED CYCLE
CT = COMBUSTION TURBINE ST = STEAM

⁽¹⁾ As burned fuel cost system total includes ignition
⁽²⁾ Fuel burned (MM BTU) system total excludes ignition
⁽³⁾ AC rating

⁽⁴⁾ In Simple Cycle Mode

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: APRIL 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	270	23.4	-	23.4	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	280	25.9	-	25.9	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	4,320	31.0	-	31.0	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	-	-	-	-	-	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 22.5	4,870	30.1	-	30.1	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	15,050	11.3	-	-	-	NG CO-FIRE	180,730	1,027,998	185,790.0	740,185	4.92	4.10
7. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	385	15,050	5.4	43.2	48.3	12,345				185,790.0	740,185	4.92	-
9. B.B.#2 NAT GAS CO-FIRE	185	16,840	12.6	-	-	-	NG CO-FIRE	185,460	1,027,984	190,650.0	759,557	4.51	4.10
10. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	385	16,840	6.1	56.7	54.7	11,321				190,650.0	759,557	4.51	-
12. B.B.#3 NAT GAS CO-FIRE	185	5,790	4.3	-	-	-	NG CO-FIRE	58,860	1,028,033	60,510.0	241,063	4.16	4.10
13. B.B.#3 COAL	395	110,080	38.7	-	-	-	COAL	49,900	23,040,681	1,149,730.0	3,436,449	3.12	68.87
14. TOTAL BIG BEND #3	395	115,870	40.7	45.2	78.0	10,445				1,210,240.0	3,677,512	3.17	-
15. B.B.#4 NAT GAS CO-FIRE	175	7,670	6.1	-	-	-	NG CO-FIRE	78,010	1,028,073	80,200.0	319,492	4.17	4.10
16. B.B.#4 COAL	437	145,750	46.3	-	-	-	COAL	66,140	23,038,555	1,523,770.0	4,554,847	3.13	68.87
17. TOTAL BIG BEND #4	437	153,420	48.8	68.8	82.2	10,455				1,603,970.0	4,874,339	3.18	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	20,040	-	20,600.0	82,074	-	4.10
19. BIG BEND 1-4 COAL TOTAL	1,602	255,830	22.2	53.9	64.4	10,450	COAL	116,040	23,039,469	2,673,500.0	7,991,296	3.12	68.87
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	56	1,340	3.3	-	99.7	11,784	GAS	15,360	1,027,995	15,790.0	62,907	4.69	4.10
22. B.B.C.T.#4 TOTAL	56	1,340	3.3	98.3	99.7	11,784				15,790.0	62,907	4.69	-
23. BIG BEND STATION TOTAL	1,658	302,520	25.3	55.4	75.9	10,599				3,206,440.0	10,196,575	3.37	-
24. POLK #1 GASIFIER	220	128,930	81.4	-	97.0	10,225	COAL	46,080	28,609,158	1,318,310.0	3,992,562	3.10	86.64
25. POLK #1 CT GAS	195	12,400	8.8	-	89.6	8,116	GAS	100,530	1,001,094	100,640.0	400,952	3.23	3.99
26. POLK #1 TOTAL	220	141,330	89.2	72.7	96.3	10,040				1,418,950.0	4,393,514	3.11	-
27. POLK #2 CT (GAS)	150	0	0.0	-	0.0	0	GAS	0	0	0.0	1	0.00	0.00
28. POLK #2 CT (OIL)	159	110	0.1	-	17.3	11,091	LGT OIL	210	5,809,524	1,220.0	26,771	24.34	127.48
29. POLK #2 TOTAL	(4) 150	110	0.1	-	17.3	11,091				1,220.0	26,772	24.34	-
30. POLK #3 CT GAS	150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
31. POLK #3 CT OIL	159	110	0.1	-	17.3	11,091	LGT OIL	210	5,809,524	1,220.0	26,772	24.34	127.49
32. POLK #3 TOTAL	(4) 150	110	0.1	-	17.3	11,091				1,220.0	26,772	24.34	-
33. POLK #4 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK #5 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
35. POLK #2 ST DUCT FIRING	120	7,620	8.8	-	71.3	8,269	GAS	61,300	1,027,896	63,010.0	251,056	3.29	4.10
36. POLK #2 ST W/O DUCT FIRING	341	627,200	-	-	-	-	GAS	4,120,910	1,027,999	4,236,290.0	16,877,310	2.69	4.10
37. POLK #2 CC TOTAL	1,061	634,820	83.1	97.3	74.8	6,772	GAS	-	-	4,299,300.0	17,128,366	2.70	-
38. POLK STATION TOTAL	1,281	776,370	84.2	93.1	84.3	7,369				5,720,690.0	21,575,424	2.78	-
39. BAYSIDE #1	701	152,920	30.3	57.9	60.3	7,478	GAS	1,112,380	1,027,994	1,143,520.0	4,555,786	2.98	4.10
40. BAYSIDE #2	929	301,710	45.1	96.2	47.9	7,703	GAS	2,260,690	1,028,000	2,323,990.0	9,258,723	3.07	4.10
41. BAYSIDE #3	56	770	1.9	82.2	98.2	11,727	GAS	8,790	1,027,304	9,030.0	36,000	4.68	4.10
42. BAYSIDE #4	56	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
43. BAYSIDE #5	56	980	2.4	92.0	97.2	11,745	GAS	11,200	1,027,679	11,510.0	45,870	4.68	4.10
44. BAYSIDE #6	56	820	2.0	98.6	97.6	11,829	GAS	9,430	1,028,632	9,700.0	38,621	4.71	4.10
45. BAYSIDE TOTAL	1,854	457,200	34.3	78.3	51.6	7,650	GAS	3,402,490	1,027,997	3,497,750.0	13,935,000	3.05	4.10
46. SYSTEM	4,815	1,540,960	44.4	74.0	91.3	8,063				12,424,880.0	45,706,999	2.97	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE
NG = NATURAL GAS
ST = STEAM
CC = COMBINED CYCLE

⁽¹⁾ As burned fuel cost system total includes ignition
⁽²⁾ Fuel burned (MM BTU) system total excludes ignition
⁽³⁾ AC rating

⁽⁴⁾ In Simple Cycle Mode

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: MAY 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	290	24.4	-	24.4	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	290	26.0	-	26.0	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	4,570	31.7	-	31.7	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	-	-	-	-	-	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 22.5	5,150	30.8	-	30.8	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	0	0.0	-	-	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
7. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	385	0	0.0	43.2	0.0	0				0.0	0	0.00	-
9. B.B.#2 NAT GAS CO-FIRE	185	17,380	12.6	-	-	-	NG CO-FIRE	191,630	1,028,023	197,000.0	759,939	4.37	3.97
10. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	385	17,380	6.1	56.7	54.4	11,335				197,000.0	759,939	4.37	-
12. B.B.#3 NAT GAS CO-FIRE	185	7,720	5.6	-	-	-	NG CO-FIRE	78,510	1,028,022	80,710.0	311,344	4.03	3.97
13. B.B.#3 COAL	395	146,640	49.9	-	-	-	COAL	66,550	23,041,473	1,533,410.0	4,624,124	3.15	69.48
14. TOTAL BIG BEND #3	395	154,360	52.5	59.0	77.1	10,457				1,614,120.0	4,935,468	3.20	-
15. B.B.#4 NAT GAS CO-FIRE	175	8,910	6.8	-	-	-	NG CO-FIRE	90,300	1,028,018	92,830.0	358,099	4.02	3.97
16. B.B.#4 COAL	437	169,290	52.1	-	-	-	COAL	76,550	23,039,713	1,763,690.0	5,318,956	3.14	69.48
17. TOTAL BIG BEND #4	437	178,200	54.8	68.8	83.1	10,418				1,856,520.0	5,677,055	3.19	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	24,210	-	24,890.0	96,009	-	3.97
19. BIG BEND 1-4 COAL TOTAL	1,602	315,930	26.5	57.3	70.7	10,436	COAL	143,100	23,040,531	3,297,100.0	9,943,080	3.15	69.48
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	56	1,230	3.0	-	99.8	11,691	GAS	13,990	1,027,877	14,380.0	55,480	4.51	3.97
22. B.B.C.T.#4 TOTAL	56	1,230	3.0	82.4	99.8	11,691				14,380.0	55,480	4.51	-
23. BIG BEND STATION TOTAL	1,658	351,170	28.5	58.2	78.4	10,485				3,682,020.0	11,523,951	3.28	-
24. POLK #1 GASIFIER	220	133,230	81.4	-	97.0	10,223	COAL	47,610	28,608,696	1,362,060.0	4,156,066	3.12	87.29
25. POLK #1 CT GAS	195	8,090	5.6	-	90.2	8,156	GAS	66,810	987,577	65,980.0	254,516	3.15	3.81
26. POLK #1 TOTAL	220	141,320	86.3	72.7	96.6	10,105				1,428,040.0	4,410,582	3.12	-
27. POLK #2 CT (GAS)	150	1,500	1.3	-	100.0	11,227	GAS	16,390	1,027,456	16,840.0	64,997	4.33	3.97
28. POLK #2 CT (OIL)	159	140	0.1	-	17.6	10,571	LGT OIL	260	5,692,308	1,480.0	33,146	23.68	127.48
29. POLK #2 TOTAL	(4) 150	1,640	1.5	-	71.5	11,171				18,320.0	98,143	5.98	-
30. POLK #3 CT GAS	150	1,500	1.3	-	100.0	11,227	GAS	16,390	1,027,456	16,840.0	64,997	4.33	3.97
31. POLK #3 CT OIL	159	140	0.1	-	17.6	10,571	LGT OIL	260	5,692,308	1,480.0	33,145	23.68	127.48
32. POLK #3 TOTAL	(4) 150	1,640	1.5	-	71.5	11,171				18,320.0	98,142	5.98	-
33. POLK #4 CT GAS	(4) 150	600	0.5	-	100.0	11,333	GAS	6,610	1,028,744	6,800.0	26,213	4.37	3.97
34. POLK #5 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
35. POLK #2 ST DUCT FIRING	120	5,210	5.8	-	68.9	8,278	GAS	41,950	1,028,129	43,130.0	166,359	3.19	3.97
36. POLK #2 ST W/O DUCT FIRING	341	659,780	-	-	-	-	GAS	4,336,040	1,028,000	4,457,450.0	17,195,260	2.61	3.97
37. POLK #2 CC TOTAL	1,061	664,990	84.2	97.3	78.6	6,768	GAS	-	-	4,500,580.0	17,361,619	2.61	-
38. POLK STATION TOTAL	1,281	810,190	85.0	93.1	86.6	7,371				5,972,060.0	21,994,699	2.71	-
39. BAYSIDE #1	701	313,520	60.1	96.5	62.3	7,453	GAS	2,273,050	1,028,002	2,336,700.0	9,014,143	2.88	3.97
40. BAYSIDE #2	929	317,640	46.0	96.2	47.4	7,704	GAS	2,380,530	1,027,998	2,447,180.0	9,440,371	2.97	3.97
41. BAYSIDE #3	56	590	1.4	98.6	95.8	11,932	GAS	6,850	1,027,737	7,040.0	27,165	4.60	3.97
42. BAYSIDE #4	56	380	0.9	98.6	96.9	11,947	GAS	4,410	1,029,478	4,540.0	17,489	4.60	3.97
43. BAYSIDE #5	56	940	2.3	89.1	93.3	11,915	GAS	10,900	1,027,523	11,200.0	43,226	4.60	3.97
44. BAYSIDE #6	56	740	1.8	82.7	94.4	11,824	GAS	8,520	1,026,995	8,750.0	33,787	4.57	3.97
45. BAYSIDE TOTAL	1,854	633,810	45.9	95.8	53.9	7,598	GAS	4,684,260	1,027,998	4,815,410.0	18,576,181	2.93	3.97
46. SYSTEM	4,815	1,800,320	50.3	81.7	88.5	8,037				14,469,490.0	52,094,831	2.89	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE
NG = NATURAL GAS
ST = STEAM
CC = COMBINED CYCLE

⁽¹⁾ As burned fuel cost system total includes ignition
⁽²⁾ Fuel burned (MM BTU) system total excludes ignition
⁽³⁾ AC rating

⁽⁴⁾ In Simple Cycle Mode

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TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: JUNE 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	250	21.7	-	21.7	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	270	25.0	-	25.0	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	4,010	28.8	-	28.8	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	-	-	-	-	-	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 22.5	4,530	28.0	-	28.0	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	26,920	20.2	-	-	-	NG CO-FIRE	313,720	1,027,987	322,500.0	1,239,728	4.61	3.95
7. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	385	26,920	9.7	43.2	53.0	11,980				322,500.0	1,239,728	4.61	-
9. B.B.#2 NAT GAS CO-FIRE	185	35,790	26.9	-	-	-	NG CO-FIRE	400,930	1,028,010	412,160.0	1,584,356	4.43	3.95
10. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	385	35,790	12.9	56.7	51.1	11,516				412,160.0	1,584,356	4.43	-
12. B.B.#3 NAT GAS CO-FIRE	185	8,970	6.7	-	-	-	NG CO-FIRE	90,830	1,027,964	93,370.0	358,933	4.00	3.95
13. B.B.#3 COAL	395	170,460	59.9	-	-	-	COAL	77,000	23,039,740	1,774,060.0	5,406,972	3.17	70.22
14. TOTAL BIG BEND #3	395	179,430	63.1	67.7	80.7	10,408				1,867,430.0	5,765,905	3.21	-
15. B.B.#4 NAT GAS CO-FIRE	175	10,350	8.2	-	-	-	NG CO-FIRE	105,210	1,028,039	108,160.0	415,759	4.02	3.95
16. B.B.#4 COAL	437	196,680	62.5	-	-	-	COAL	89,190	23,040,251	2,054,960.0	6,262,964	3.18	70.22
17. TOTAL BIG BEND #4	437	207,030	65.8	68.8	82.1	10,448				2,163,120.0	6,678,723	3.23	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	34,650	-	35,620.0	136,926	-	3.95
19. BIG BEND 1-4 COAL TOTAL	1,602	367,140	31.8	59.5	61.7	10,429	COAL	166,190	23,040,014	3,829,020.0	11,669,936	3.18	70.22
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	56	3,120	7.7	-	96.1	11,814	GAS	35,860	1,027,886	36,860.0	141,708	4.54	3.95
22. B.B.C.T.#4 TOTAL	56	3,120	7.7	98.3	96.1	11,814				36,860.0	141,708	4.54	-
23. BIG BEND STATION TOTAL	1,658	452,290	37.9	60.8	75.5	10,617				4,802,070.0	15,547,345	3.44	-
24. POLK #1 GASIFIER	220	128,930	81.4	-	97.0	10,225	COAL	46,080	28,609,158	1,318,310.0	4,047,621	3.14	87.84
25. POLK #1 CT GAS	195	8,420	6.0	-	93.9	8,118	GAS	69,120	988,860	68,350.0	262,749	3.12	3.80
26. POLK #1 TOTAL	220	137,350	86.7	72.7	96.8	10,096				1,386,660.0	4,310,370	3.14	-
27. POLK #2 CT (GAS)	150	1,050	1.0	-	100.0	11,257	GAS	11,500	1,027,826	11,820.0	45,444	4.33	3.95
28. POLK #2 CT (OIL)	159	110	0.1	-	17.3	11,091	LGT OIL	210	5,809,524	1,220.0	26,771	24.34	127.48
29. POLK #2 TOTAL	(4) 150	1,160	1.1	-	68.8	11,241				13,040.0	72,215	6.23	-
30. POLK #3 CT GAS	150	900	0.8	-	100.0	11,278	GAS	9,870	1,028,369	10,150.0	39,003	4.33	3.95
31. POLK #3 CT OIL	159	110	0.1	-	17.3	11,091	LGT OIL	210	5,809,524	1,220.0	26,772	24.34	127.49
32. POLK #3 TOTAL	(4) 150	1,010	0.9	-	65.8	11,257				11,370.0	65,775	6.51	-
33. POLK #4 CT GAS	(4) 150	600	0.6	-	100.0	11,333	GAS	6,610	1,028,744	6,800.0	26,121	4.35	3.95
34. POLK #5 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
35. POLK #2 ST DUCT FIRING	120	14,250	16.5	-	81.9	8,274	GAS	114,700	1,027,986	117,910.0	453,260	3.18	3.95
36. POLK #2 ST W/O DUCT FIRING	341	649,760	-	-	-	-	GAS	4,271,390	1,028,000	4,390,990.0	16,879,258	2.60	3.95
37. POLK #2 CC TOTAL	1,061	664,010	86.9	97.3	73.1	6,790	GAS	-	-	4,508,900.0	17,332,518	2.61	-
38. POLK STATION TOTAL	1,281	804,130	87.2	93.1	83.2	7,370				5,926,770.0	21,806,999	2.71	-
39. BAYSIDE #1	701	335,900	66.6	96.5	68.9	7,404	GAS	2,419,160	1,028,001	2,486,900.0	9,559,798	2.85	3.95
40. BAYSIDE #2	929	352,290	52.7	96.2	54.3	7,614	GAS	2,609,150	1,028,001	2,682,210.0	10,310,581	2.93	3.95
41. BAYSIDE #3	56	1,250	3.1	98.6	93.0	11,960	GAS	14,540	1,028,198	14,950.0	57,458	4.60	3.95
42. BAYSIDE #4	56	580	1.4	98.6	94.2	12,276	GAS	6,930	1,027,417	7,120.0	27,385	4.72	3.95
43. BAYSIDE #5	56	2,090	5.2	98.6	91.0	11,995	GAS	24,390	1,027,880	25,070.0	96,382	4.61	3.95
44. BAYSIDE #6	56	1,600	4.0	98.6	92.2	11,988	GAS	18,660	1,027,867	19,180.0	73,739	4.61	3.95
45. BAYSIDE TOTAL	1,854	693,710	52.0	96.6	60.7	7,547	GAS	5,092,830	1,028,000	5,235,430.0	20,125,343	2.90	3.95
46. SYSTEM	4,815	1,954,660	56.4	82.9	91.0	8,167				15,964,270.0	57,479,687	2.94	-

LEGEND:

B.B. = BIG BEND NG = NATURAL GAS CC = COMBINED CYCLE
CT = COMBUSTION TURBINE ST = STEAM

⁽¹⁾ As burned fuel cost system total includes ignition
⁽²⁾ Fuel burned (MM BTU) system total excludes ignition
⁽³⁾ AC rating

⁽⁴⁾ In Simple Cycle Mode

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: JULY 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	250	21.0	-	21.0	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	270	24.2	-	24.2	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	3,900	27.1	-	27.1	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	-	-	-	-	-	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 22.5	4,420	26.5	-	26.5	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	24,280	17.6	-	-	-	NG CO-FIRE	289,980	1,028,002	298,100.0	1,153,380	4.75	3.98
7. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	385	24,280	8.5	43.2	48.9	12,278				298,100.0	1,153,380	4.75	-
9. B.B.#2 NAT GAS CO-FIRE	185	25,530	18.5	-	-	-	NG CO-FIRE	284,400	1,027,989	292,360.0	1,131,186	4.43	3.98
10. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	385	25,530	8.9	56.7	52.2	11,452				292,360.0	1,131,186	4.43	-
12. B.B.#3 NAT GAS CO-FIRE	185	9,550	6.9	-	-	-	NG CO-FIRE	96,400	1,028,008	99,100.0	383,426	4.01	3.98
13. B.B.#3 COAL	395	181,500	61.8	-	-	-	COAL	81,720	23,040,749	1,882,890.0	5,721,786	3.15	70.02
14. TOTAL BIG BEND #3	395	191,050	65.0	67.7	83.1	10,374				1,981,990.0	6,105,212	3.20	-
15. B.B.#4 NAT GAS CO-FIRE	175	10,450	8.0	-	-	-	NG CO-FIRE	106,270	1,027,948	109,240.0	422,683	4.04	3.98
16. B.B.#4 COAL	437	198,620	61.1	-	-	-	COAL	90,090	23,038,850	2,075,570.0	6,307,832	3.18	70.02
17. TOTAL BIG BEND #4	437	209,070	64.3	68.8	82.3	10,450				2,184,810.0	6,730,515	3.22	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	42,580	-	43,770.0	169,360	-	3.98
19. BIG BEND 1-4 COAL TOTAL	1,602	380,120	31.9	59.5	65.3	10,414	COAL	171,810	23,039,753	3,958,460.0	12,029,618	3.16	70.02
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	56	4,320	10.4	-	98.9	11,713	GAS	49,210	1,028,246	50,600.0	195,730	4.53	3.98
22. B.B.C.T.#4 TOTAL	56	4,320	10.4	98.3	98.9	11,713				50,600.0	195,730	4.53	-
23. BIG BEND STATION TOTAL	1,658	454,250	36.8	60.8	77.4	10,584				4,807,860.0	15,485,383	3.41	-
24. POLK #1 GASIFIER	220	133,230	81.4	-	97.0	10,223	COAL	47,610	28,608,696	1,362,060.0	4,275,544	3.21	89.80
25. POLK #1 CT GAS	195	2,740	1.9	-	87.8	8,234	GAS	24,580	917,819	22,560.0	87,305	3.19	3.55
26. POLK #1 TOTAL	220	135,970	83.1	72.7	96.8	10,183				1,384,620.0	4,362,849	3.21	-
27. POLK #2 CT (GAS)	150	0	0.0	-	0.0	0	GAS	0	0	0.0	(1)	0.00	0.00
28. POLK #2 CT (OIL)	159	110	0.1	-	17.3	10,727	LGT OIL	200	5,900,000	1,180.0	25,497	23.18	127.49
29. POLK #2 TOTAL	(4) 150	110	0.1	-	17.3	10,727				1,180.0	25,496	23.18	-
30. POLK #3 CT GAS	150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
31. POLK #3 CT OIL	159	110	0.1	-	17.3	10,727	LGT OIL	200	5,900,000	1,180.0	25,496	23.18	127.48
32. POLK #3 TOTAL	(4) 150	110	0.1	-	17.3	10,727				1,180.0	25,496	23.18	-
33. POLK #4 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK #5 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
35. POLK #2 ST DUCT FIRING	120	17,520	19.6	-	82.5	8,272	GAS	140,970	1,028,020	144,920.0	560,701	3.20	3.98
36. POLK #2 ST W/O DUCT FIRING	341	668,330	-	-	-	-	GAS	4,392,990	1,027,999	4,515,990.0	17,472,886	2.61	3.98
37. POLK #2 CC TOTAL	1,061	685,850	86.9	97.3	71.0	6,796	GAS	-	-	4,660,910.0	18,033,587	2.63	-
38. POLK STATION TOTAL	1,281	822,040	86.3	93.1	81.3	7,357				6,047,890.0	22,447,428	2.73	-
39. BAYSIDE #1	701	356,420	68.3	96.5	70.3	7,395	GAS	2,563,860	1,028,001	2,635,650.0	10,197,618	2.86	3.98
40. BAYSIDE #2	929	372,540	53.9	96.2	55.6	7,598	GAS	2,753,560	1,028,000	2,830,660.0	10,952,139	2.94	3.98
41. BAYSIDE #3	56	1,750	4.2	98.6	94.7	11,891	GAS	20,240	1,028,162	20,810.0	80,504	4.60	3.98
42. BAYSIDE #4	56	1,090	2.6	98.6	97.3	11,817	GAS	12,530	1,027,933	12,880.0	49,837	4.57	3.98
43. BAYSIDE #5	56	2,990	7.2	98.6	93.7	11,833	GAS	34,410	1,028,189	35,380.0	136,864	4.58	3.98
44. BAYSIDE #6	56	2,420	5.8	98.6	93.9	11,855	GAS	27,910	1,027,947	28,690.0	111,011	4.59	3.98
45. BAYSIDE TOTAL	1,854	737,210	53.4	96.6	62.2	7,547	GAS	5,412,510	1,028,002	5,564,070.0	21,527,973	2.92	3.98
46. SYSTEM	4,815	2,017,920	56.3	82.9	92.3	8,137				16,419,820.0	59,460,784	2.95	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE
NG = NATURAL GAS
ST = STEAM
CC = COMBINED CYCLE

(1) As burned fuel cost system total includes ignition
(2) Fuel burned (MM BTU) system total excludes ignition
(3) AC rating

(4) In Simple Cycle Mode

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: AUGUST 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	250	21.0	-	21.0	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	250	22.4	-	22.4	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	3,760	26.1	-	26.1	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	-	-	-	-	-	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 22.5	4,260	25.5	-	25.5	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	28,220	20.5	-	-	-	NG CO-FIRE	322,370	1,028,011	331,400.0	1,278,587	4.53	3.97
7. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	385	28,220	9.9	43.2	56.8	11,743				331,400.0	1,278,587	4.53	-
9. B.B.#2 NAT GAS CO-FIRE	185	85,850	62.4	-	-	-	NG CO-FIRE	938,060	1,028,005	964,330.0	3,720,542	4.33	3.97
10. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	385	85,850	30.0	56.7	56.6	11,233				964,330.0	3,720,542	4.33	-
12. B.B.#3 NAT GAS CO-FIRE	185	9,910	7.2	-	-	-	NG CO-FIRE	99,670	1,027,992	102,460.0	395,312	3.99	3.97
13. B.B.#3 COAL	395	188,360	64.1	-	-	-	COAL	84,500	23,039,290	1,946,820.0	5,891,049	3.13	69.72
14. TOTAL BIG BEND #3	395	198,270	67.5	67.7	86.2	10,336				2,049,280.0	6,286,361	3.17	-
15. B.B.#4 NAT GAS CO-FIRE	175	10,790	8.3	-	-	-	NG CO-FIRE	109,560	1,028,021	112,630.0	434,538	4.03	3.97
16. B.B.#4 COAL	437	205,080	63.1	-	-	-	COAL	92,880	23,039,298	2,139,890.0	6,475,271	3.16	69.72
17. TOTAL BIG BEND #4	437	215,870	66.4	68.8	83.2	10,435				2,252,520.0	6,909,809	3.20	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	22,960	-	23,600.0	91,064	-	3.97
19. BIG BEND 1-4 COAL TOTAL	1,602	393,440	33.0	59.5	57.0	10,387	COAL	177,380	23,039,294	4,086,710.0	12,366,320	3.14	69.72
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	56	3,410	8.2	-	98.2	11,698	GAS	38,810	1,027,828	39,890.0	153,929	4.51	3.97
22. B.B.C.T.#4 TOTAL	56	3,410	8.2	98.3	98.2	11,698				39,890.0	153,929	4.51	-
23. BIG BEND STATION TOTAL	1,658	531,620	43.1	60.8	76.6	10,604				5,637,420.0	18,440,291	3.47	-
24. POLK #1 GASIFIER	220	64,470	39.4	-	97.0	10,245	COAL	23,040	28,666,667	660,480.0	2,115,272	3.28	91.81
25. POLK #1 CT GAS	195	3,960	2.7	-	92.3	8,162	GAS	34,070	948,635	32,320.0	124,698	3.15	3.66
26. POLK #1 TOTAL	220	68,430	41.8	35.2	96.7	10,124				692,800.0	2,239,970	3.27	-
27. POLK #2 CT (GAS)	150	1,050	0.9	-	100.0	11,257	GAS	11,500	1,027,826	11,820.0	45,612	4.34	3.97
28. POLK #2 CT (OIL)	159	140	0.1	-	17.6	10,571	LGT OIL	250	5,920,000	1,480.0	31,871	22.77	127.48
29. POLK #2 TOTAL	(4) 150	1,190	1.1	-	64.5	11,176				13,300.0	77,483	6.51	-
30. POLK #3 CT GAS	150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
31. POLK #3 CT OIL	159	140	0.1	-	17.6	10,571	LGT OIL	250	5,920,000	1,480.0	31,871	22.77	127.48
32. POLK #3 TOTAL	(4) 150	140	0.1	-	17.6	10,571				1,480.0	31,871	22.77	-
33. POLK #4 CT GAS	(4) 150	900	0.8	-	100.0	11,178	GAS	9,780	1,028,630	10,060.0	38,790	4.31	3.97
34. POLK #5 CT GAS	(4) 150	900	0.8	-	100.0	11,278	GAS	9,870	1,028,369	10,150.0	39,146	4.35	3.97
35. POLK #2 ST DUCT FIRING	120	17,040	19.1	-	88.8	8,276	GAS	137,180	1,027,992	141,020.0	544,084	3.19	3.97
36. POLK #2 ST W/O DUCT FIRING	341	674,320	-	-	-	-	GAS	4,433,280	1,027,997	4,557,400.0	17,583,313	2.61	3.97
37. POLK #2 CC TOTAL	1,061	691,360	87.6	97.3	72.9	6,796	GAS	-	-	4,698,420.0	18,127,397	2.62	-
38. POLK STATION TOTAL	1,281	762,920	80.0	86.7	79.0	7,112				5,426,210.0	20,554,657	2.69	-
39. BAYSIDE #1	701	363,550	69.7	96.5	72.2	7,382	GAS	2,610,460	1,027,999	2,683,550.0	10,353,629	2.85	3.97
40. BAYSIDE #2	929	378,470	54.8	96.2	56.6	7,585	GAS	2,792,640	1,027,995	2,870,820.0	11,076,192	2.93	3.97
41. BAYSIDE #3	56	1,720	4.1	98.6	96.0	11,750	GAS	19,660	1,027,976	20,210.0	77,976	4.53	3.97
42. BAYSIDE #4	56	1,310	3.1	98.6	97.5	11,695	GAS	14,900	1,028,188	15,320.0	59,097	4.51	3.97
43. BAYSIDE #5	56	2,660	6.4	98.6	95.0	11,767	GAS	30,450	1,027,915	31,300.0	120,771	4.54	3.97
44. BAYSIDE #6	56	1,980	4.8	98.6	95.6	11,753	GAS	22,640	1,027,827	23,270.0	89,795	4.54	3.97
45. BAYSIDE TOTAL	1,854	749,690	54.3	96.6	63.5	7,529	GAS	5,490,750	1,027,996	5,644,470.0	21,777,460	2.90	3.97
46. SYSTEM	4,815	2,048,490	57.2	81.2	92.3	8,156				16,708,100.0	60,772,408	2.97	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE
NG = NATURAL GAS
ST = STEAM
CC = COMBINED CYCLE

⁽¹⁾ As burned fuel cost system total includes ignition
⁽²⁾ Fuel burned (MM BTU) system total excludes ignition
⁽³⁾ AC rating

⁽⁴⁾ In Simple Cycle Mode

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: SEPTEMBER 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	220	19.1	-	19.1	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	210	19.4	-	19.4	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	3,110	22.3	-	22.3	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	77.6	25,880	46.4	-	46.4	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 100.0	29,420	40.9	-	40.9	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	24,950	18.7	-	-	-	NG CO-FIRE	291,100	1,028,032	299,260.0	1,152,487	4.62	3.96
7. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	385	24,950	9.0	43.2	52.7	11,994				299,260.0	1,152,487	4.62	-
9. B.B.#2 NAT GAS CO-FIRE	185	66,040	49.6	-	-	-	NG CO-FIRE	724,810	1,027,994	745,100.0	2,869,577	4.35	3.96
10. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	385	66,040	23.8	56.7	55.5	11,283				745,100.0	2,869,577	4.35	-
12. B.B.#3 NAT GAS CO-FIRE	185	9,420	7.1	-	-	-	NG CO-FIRE	94,890	1,028,032	97,550.0	375,677	3.99	3.96
13. B.B.#3 COAL	395	179,000	62.9	-	-	-	COAL	80,450	23,038,906	1,853,480.0	5,594,622	3.13	69.54
14. TOTAL BIG BEND #3	395	188,420	66.3	67.7	84.7	10,355				1,951,030.0	5,970,299	3.17	-
15. B.B.#4 NAT GAS CO-FIRE	175	10,390	8.2	-	-	-	NG CO-FIRE	105,520	1,027,957	108,470.0	417,762	4.02	3.96
16. B.B.#4 COAL	437	197,400	62.7	-	-	-	COAL	89,450	23,039,911	2,060,920.0	6,220,497	3.15	69.54
17. TOTAL BIG BEND #4	437	207,790	66.0	68.8	82.4	10,440				2,169,390.0	6,638,259	3.19	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	27,970	-	28,750.0	110,735	-	3.96
19. BIG BEND 1-4 COAL TOTAL	1,602	376,400	32.6	59.5	58.7	10,400	COAL	169,900	23,039,435	3,914,400.0	11,815,119	3.14	69.54
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	56	3,840	9.5	-	99.4	11,656	GAS	43,540	1,028,020	44,760.0	172,378	4.49	3.96
22. B.B.C.T.#4 TOTAL	56	3,840	9.5	98.3	99.4	11,656				44,760.0	172,378	4.49	-
23. BIG BEND STATION TOTAL	1,658	491,040	41.1	60.8	76.2	10,609				5,209,540.0	16,913,734	3.44	-
24. POLK #1 GASIFIER	220	0	0.0	-	0.0	0	COAL	0	0	0.0	0	0.00	0.00
25. POLK #1 CT GAS	195	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
26. POLK #1 TOTAL	220	0	0.0	0.0	0.0	0				0.0	0	0.00	-
27. POLK #2 CT (GAS)	150	1,350	1.3	-	100.0	11,237	GAS	14,760	1,027,778	15,170.0	58,436	4.33	3.96
28. POLK #2 CT (OIL)	159	110	0.1	-	17.3	11,091	LGT OIL	210	5,809,524	1,220.0	26,771	24.34	127.48
29. POLK #2 TOTAL	(4) 150	1,460	1.4	-	73.5	11,226				16,390.0	85,207	5.84	-
30. POLK #3 CT GAS	150	1,350	1.3	-	100.0	11,237	GAS	14,760	1,027,778	15,170.0	58,436	4.33	3.96
31. POLK #3 CT OIL	159	110	0.1	-	17.3	11,091	LGT OIL	210	5,809,524	1,220.0	26,772	24.34	127.49
32. POLK #3 TOTAL	(4) 150	1,460	1.4	-	73.5	11,226				16,390.0	85,208	5.84	-
33. POLK #4 CT GAS	(4) 150	1,350	1.3	-	100.0	11,237	GAS	14,760	1,027,778	15,170.0	58,436	4.33	3.96
34. POLK #5 CT GAS	(4) 150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
35. POLK #2 ST DUCT FIRING	120	13,790	16.0	-	90.5	8,273	GAS	110,980	1,028,023	114,090.0	439,378	3.19	3.96
36. POLK #2 ST W/O DUCT FIRING	341	656,470	-	-	-	-	GAS	4,316,450	1,027,998	4,437,300.0	17,089,146	2.60	3.96
37. POLK #2 CC TOTAL	1,061	670,260	87.7	97.3	75.4	6,790	GAS	-	-	4,551,390.0	17,528,524	2.62	-
38. POLK STATION TOTAL	1,281	674,530	73.1	80.6	75.6	6,819				4,599,340.0	17,757,375	2.63	-
39. BAYSIDE #1	701	346,290	68.6	96.5	70.6	7,389	GAS	2,488,980	1,027,999	2,558,670.0	9,854,057	2.85	3.96
40. BAYSIDE #2	929	353,860	52.9	96.2	54.5	7,605	GAS	2,617,700	1,027,998	2,690,990.0	10,363,667	2.93	3.96
41. BAYSIDE #3	56	1,700	4.2	98.6	94.9	11,900	GAS	19,680	1,027,947	20,230.0	77,915	4.58	3.96
42. BAYSIDE #4	56	1,040	2.6	98.6	97.7	11,798	GAS	11,930	1,028,500	12,270.0	47,232	4.54	3.96
43. BAYSIDE #5	56	2,690	6.7	98.6	94.2	11,822	GAS	30,940	1,027,796	31,800.0	122,494	4.55	3.96
44. BAYSIDE #6	56	2,330	5.8	98.6	94.6	11,785	GAS	26,710	1,028,079	27,460.0	105,747	4.54	3.96
45. BAYSIDE TOTAL	1,854	707,910	53.0	96.6	61.7	7,545	GAS	5,195,940	1,027,999	5,341,420.0	20,571,112	2.91	3.96
46. SYSTEM	4,893	1,902,900	54.0	78.3	92.6	7,962				15,150,300.0	55,242,221	2.90	-

LEGEND:

B.B. = BIG BEND NG = NATURAL GAS CC = COMBINED CYCLE
CT = COMBUSTION TURBINE ST = STEAM

⁽¹⁾ As burned fuel cost system total includes ignition
⁽²⁾ Fuel burned (MM BTU) system total excludes ignition
⁽³⁾ AC rating

⁽⁴⁾ In Simple Cycle Mode

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: OCTOBER 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	250	21.0	-	21.0	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	210	18.8	-	18.8	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	3,200	22.2	-	22.2	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	77.6	26,650	46.2	-	46.2	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 100.0	30,310	40.7	-	40.7	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	27,400	19.9	-	-	-	NG CO-FIRE	318,460	1,028,010	327,380.0	1,271,505	4.64	3.99
7. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	385	27,400	9.6	43.2	53.5	11,948				327,380.0	1,271,505	4.64	-
9. B.B.#2 NAT GAS CO-FIRE	185	36,260	26.3	-	-	-	NG CO-FIRE	400,670	1,028,003	411,890.0	1,599,742	4.41	3.99
10. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	385	36,260	12.7	56.7	53.8	11,359				411,890.0	1,599,742	4.41	-
12. B.B.#3 NAT GAS CO-FIRE	185	6,030	4.4	-	-	-	NG CO-FIRE	61,350	1,027,873	63,060.0	244,950	4.06	3.99
13. B.B.#3 COAL	395	114,650	39.0	-	-	-	COAL	52,010	23,037,877	1,198,200.0	3,616,757	3.15	69.54
14. TOTAL BIG BEND #3	395	120,680	41.1	45.9	77.5	10,451				1,261,260.0	3,861,707	3.20	-
15. B.B.#4 NAT GAS CO-FIRE	175	10,530	8.1	-	-	-	NG CO-FIRE	106,780	1,028,001	109,770.0	426,337	4.05	3.99
16. B.B.#4 COAL	437	200,000	61.5	-	-	-	COAL	90,520	23,039,549	2,085,540.0	6,294,731	3.15	69.54
17. TOTAL BIG BEND #4	437	210,530	64.8	68.8	83.3	10,428				2,195,310.0	6,721,068	3.19	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	38,410	-	39,480.0	153,358	-	3.99
19. BIG BEND 1-4 COAL TOTAL	1,602	314,650	26.4	54.1	59.7	10,436	COAL	142,530	23,038,939	3,283,740.0	9,911,488	3.15	69.54
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	56	4,690	11.3	-	89.1	12,028	GAS	54,880	1,027,879	56,410.0	219,118	4.67	3.99
22. B.B.C.T.#4 TOTAL	56	4,690	11.3	98.3	89.1	12,028				56,410.0	219,118	4.67	-
23. BIG BEND STATION TOTAL	1,658	399,560	32.4	55.6	75.1	10,642				4,252,250.0	13,826,499	3.46	-
24. POLK #1 GASIFIER	220	90,250	55.1	-	97.0	10,275	COAL	32,260	28,746,125	927,350.0	2,948,431	3.27	91.40
25. POLK #1 CT GAS	195	14,420	9.9	-	96.0	8,021	GAS	118,650	974,884	115,670.0	449,255	3.12	3.79
26. POLK #1 TOTAL	220	104,670	63.9	49.2	96.8	9,965				1,043,020.0	3,397,686	3.25	-
27. POLK #2 CT (GAS)	150	14,160	12.7	-	96.3	11,328	GAS	156,040	1,028,006	160,410.0	623,017	4.40	3.99
28. POLK #2 CT (OIL)	159	140	0.1	-	17.6	10,571	LGT OIL	260	5,692,308	1,480.0	33,146	23.68	127.48
29. POLK #2 TOTAL	(4) 150	14,300	12.8	-	92.3	11,321				161,890.0	656,163	4.59	-
30. POLK #3 CT GAS	150	11,430	10.2	-	99.0	11,241	GAS	124,980	1,028,004	128,480.0	499,004	4.37	3.99
31. POLK #3 CT OIL	159	140	0.1	-	17.6	10,571	LGT OIL	260	5,692,308	1,480.0	33,145	23.68	127.48
32. POLK #3 TOTAL	(4) 150	11,570	10.4	-	93.7	11,232				129,960.0	532,149	4.60	-
33. POLK #4 CT GAS	(4) 150	8,000	7.2	-	98.8	11,261	GAS	87,640	1,027,955	90,090.0	349,917	4.37	3.99
34. POLK #5 CT GAS	(4) 150	6,560	5.9	-	99.4	11,235	GAS	71,700	1,027,894	73,700.0	286,274	4.36	3.99
35. POLK #2 ST DUCT FIRING	120	7,820	8.8	-	76.7	8,277	GAS	62,970	1,027,950	64,730.0	251,418	3.22	3.99
36. POLK #2 ST W/O DUCT FIRING	341	526,410	-	-	-	-	GAS	3,459,490	1,028,001	3,556,360.0	13,812,595	2.62	3.99
37. POLK #2 CC TOTAL	1,061	534,230	67.7	78.5	74.4	6,778	GAS	-	-	3,621,090.0	14,064,013	2.63	-
38. POLK STATION TOTAL	1,281	679,330	71.3	73.5	86.1	7,536				5,119,750.0	19,286,202	2.84	-
39. BAYSIDE #1	701	185,200	35.5	52.9	66.5	7,418	GAS	1,336,480	1,027,991	1,373,890.0	5,336,121	2.88	3.99
40. BAYSIDE #2	929	393,330	56.9	96.2	58.6	7,562	GAS	2,893,330	1,027,995	2,974,330.0	11,552,107	2.94	3.99
41. BAYSIDE #3	56	920	2.2	98.6	96.6	11,826	GAS	10,580	1,028,355	10,880.0	42,242	4.59	3.99
42. BAYSIDE #4	56	880	2.1	98.6	98.2	11,716	GAS	10,040	1,026,892	10,310.0	40,086	4.56	3.99
43. BAYSIDE #5	56	2,460	5.9	98.6	89.7	12,077	GAS	28,900	1,028,028	29,710.0	115,388	4.69	3.99
44. BAYSIDE #6	56	1,690	4.1	98.6	94.3	11,876	GAS	19,530	1,027,650	20,070.0	77,977	4.61	3.99
45. BAYSIDE TOTAL	1,854	584,480	42.4	80.1	61.2	7,561	GAS	4,298,860	1,027,991	4,419,190.0	17,163,921	2.94	3.99
46. SYSTEM	4,893	1,693,680	46.5	68.4	91.5	8,143				13,791,190.0	50,276,622	2.97	-

LEGEND:

B.B. = BIG BEND NG = NATURAL GAS CC = COMBINED CYCLE
CT = COMBUSTION TURBINE ST = STEAM

(1) As burned fuel cost system total includes ignition
(2) Fuel burned (MM BTU) system total excludes ignition
(3) AC rating

(4) In Simple Cycle Mode

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: NOVEMBER 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	230	20.0	-	20.0	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	170	15.7	-	15.7	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	2,710	19.4	-	19.4	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	77.6	22,550	40.4	-	40.4	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 100.0	25,660	35.6	-	35.6	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	9,350	7.0	-	-	-	NG CO-FIRE	111,930	1,027,964	115,060.0	475,043	5.08	4.24
7. B.B.#1 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	385	9,350	3.4	28.8	48.6	12,306				115,060.0	475,043	5.08	-
9. B.B.#2 NAT GAS CO-FIRE	185	47,340	35.5	-	-	-	NG CO-FIRE	506,470	1,027,998	520,650.0	2,149,515	4.54	4.24
10. B.B.#2 COAL	385	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	385	47,340	17.1	37.8	61.8	10,998				520,650.0	2,149,515	4.54	-
12. B.B.#3 NAT GAS CO-FIRE	185	9,480	7.1	-	-	-	NG CO-FIRE	95,380	1,027,993	98,050.0	404,803	4.27	4.24
13. B.B.#3 COAL	395	180,040	63.3	-	-	-	COAL	80,860	23,040,317	1,863,040.0	5,582,735	3.10	69.04
14. TOTAL BIG BEND #3	395	189,520	66.6	67.7	85.2	10,348				1,961,090.0	5,987,538	3.16	-
15. B.B.#4 NAT GAS CO-FIRE	175	10,240	8.1	-	-	-	NG CO-FIRE	103,940	1,028,093	106,860.0	441,133	4.31	4.24
16. B.B.#4 COAL	437	194,640	61.9	-	-	-	COAL	88,120	23,039,832	2,030,270.0	6,083,982	3.13	69.04
17. TOTAL BIG BEND #4	437	204,880	65.1	68.8	83.7	10,431				2,137,130.0	6,525,115	3.18	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	17,950	-	18,450.0	76,182	-	4.24
19. BIG BEND 1-4 COAL TOTAL	1,602	374,680	32.5	51.5	66.6	10,391	COAL	168,980	23,040,064	3,893,310.0	11,666,717	3.11	69.04
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	56	4,230	10.5	-	92.1	11,991	GAS	49,330	1,028,178	50,720.0	209,362	4.95	4.24
22. B.B.C.T.#4 TOTAL	56	4,230	10.5	98.3	92.1	11,991	-	-	-	50,720.0	209,362	4.95	-
23. BIG BEND STATION TOTAL	1,658	455,320	38.1	53.1	80.2	10,508	-	-	-	4,784,650.0	15,422,755	3.39	-
24. POLK #1 GASIFIER	220	128,930	81.4	-	97.0	10,225	COAL	46,080	28,609,158	1,318,310.0	4,106,659	3.19	89.12
25. POLK #1 CT GAS	195	11,960	8.5	-	98.9	8,180	GAS	97,790	1,000,409	97,830.0	403,870	3.38	4.13
26. POLK #1 TOTAL	220	140,890	88.9	72.7	97.2	10,051	-	-	-	1,416,140.0	4,510,529	3.20	-
27. POLK #2 CT (GAS)	150	12,130	11.2	-	96.3	11,345	GAS	133,870	1,027,938	137,610.0	568,159	4.68	4.24
28. POLK #2 CT (OIL)	159	90	0.1	-	18.9	10,111	LGT OIL	160	5,687,500	910.0	20,397	22.66	127.48
29. POLK #2 TOTAL	(4) 150	12,220	11.3	-	93.4	11,336	-	-	-	138,520.0	588,556	4.82	-
30. POLK #3 CT GAS	150	6,180	5.7	-	98.1	11,301	GAS	67,930	1,028,117	69,840.0	288,302	4.67	4.24
31. POLK #3 CT OIL	159	90	0.1	-	18.9	10,111	LGT OIL	160	5,687,500	910.0	20,398	22.66	127.49
32. POLK #3 TOTAL	(4) 150	6,270	5.8	-	92.5	11,284	-	-	-	70,750.0	308,700	4.92	-
33. POLK #4 CT GAS	(4) 150	2,830	2.6	-	99.3	11,237	GAS	30,930	1,028,128	31,800.0	131,270	4.64	4.24
34. POLK #5 CT GAS	(4) 150	1,790	1.7	-	99.4	11,291	GAS	19,650	1,028,499	20,210.0	83,397	4.66	4.24
35. POLK #2 ST DUCT FIRING	120	1,140	1.3	-	63.3	8,281	GAS	9,180	1,028,322	9,440.0	38,961	3.42	4.24
36. POLK #2 ST W/O DUCT FIRING	341	311,080	-	-	-	-	GAS	2,044,310	1,028,000	2,101,550.0	8,676,277	2.79	4.24
37. POLK #2 CC TOTAL	1,061	312,220	40.9	48.7	79.3	6,761	GAS	-	-	2,110,990.0	8,715,238	2.79	-
38. POLK STATION TOTAL	1,281	476,220	51.6	52.8	91.3	7,955	-	-	-	3,788,410.0	14,337,690	3.01	-
39. BAYSIDE #1	701	13,110	2.6	6.4	51.9	7,616	GAS	97,130	1,028,004	99,850.0	412,230	3.14	4.24
40. BAYSIDE #2	929	401,470	60.0	96.2	62.8	7,516	GAS	2,935,210	1,028,001	3,017,400.0	12,457,356	3.10	4.24
41. BAYSIDE #3	56	360	0.9	98.6	91.8	12,139	GAS	4,240	1,030,660	4,370.0	17,995	5.00	4.24
42. BAYSIDE #4	56	110	0.3	98.6	98.2	12,182	GAS	1,310	1,022,901	1,340.0	5,560	5.05	4.24
43. BAYSIDE #5	56	1,400	3.5	98.6	89.3	12,221	GAS	16,650	1,027,628	17,110.0	70,664	5.05	4.24
44. BAYSIDE #6	56	560	1.4	98.6	90.9	12,339	GAS	6,720	1,028,274	6,910.0	28,520	5.09	4.24
45. BAYSIDE TOTAL	1,854	417,010	31.2	62.6	62.5	7,547	GAS	3,061,260	1,028,002	3,146,980.0	12,992,325	3.12	4.24
46. SYSTEM	4,893	1,374,210	39.0	55.5	89.9	8,529	-	-	-	11,720,040.0	42,752,770	3.11	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE
NG = NATURAL GAS
ST = STEAM
CC = COMBINED CYCLE

⁽¹⁾ As burned fuel cost system total includes ignition
⁽²⁾ Fuel burned (MM BTU) system total excludes ignition
⁽³⁾ AC rating

⁽⁴⁾ In Simple Cycle Mode

TAMPA ELECTRIC COMPANY
SYSTEM NET GENERATION AND FUEL COST
ESTIMATED FOR THE PERIOD: DECEMBER 2018

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	(M)	(N)
PLANT/UNIT	NET CAPABILITY (MW)	NET GENERATION (MWH)	NET CAPACITY FACTOR (%)	EQUIV. AVAIL. FACTOR (%)	NET OUTPUT FACTOR (%)	AVG. NET HEAT RATE (BTU/KWH)	FUEL TYPE	FUEL BURNED (UNITS)	FUEL HEAT VALUE (BTU/UNIT)	FUEL BURNED (MM BTU) ⁽²⁾	AS BURNED FUEL COST (\$) ⁽¹⁾	FUEL COST PER KWH (cents/KWH)	COST OF FUEL (\$/UNIT)
1. TIA SOLAR	1.6	220	18.5	-	18.5	-	SOLAR	-	-	-	-	-	-
2. LEGOLAND SOLAR	1.5	150	13.4	-	13.4	-	SOLAR	-	-	-	-	-	-
3. BIG BEND SOLAR	19.4	2,410	16.7	-	16.7	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	77.6	20,110	34.9	-	34.9	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR	(3) 100.0	22,890	30.8	-	30.8	-	SOLAR	-	-	-	-	-	-
6. B.B.#1 NAT GAS CO-FIRE	185	0	0.0	-	-	-	NG CO-FIRE	0	0	0.0	0	0.00	0.00
7. B.B.#1 COAL	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	395	0	0.0	43.2	0.0	0				0.0	0	0.00	-
9. B.B.#2 NAT GAS CO-FIRE	185	24,730	18.0	-	-	-	NG CO-FIRE	275,630	1,028,009	283,350.0	1,179,260	4.77	4.28
10. B.B.#2 COAL	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	395	24,730	8.4	56.7	50.1	11,458				283,350.0	1,179,260	4.77	-
12. B.B.#3 NAT GAS CO-FIRE	185	9,990	7.3	-	-	-	NG CO-FIRE	100,080	1,027,978	102,880.0	428,184	4.29	4.28
13. B.B.#3 COAL	400	189,850	63.8	-	-	-	COAL	84,840	23,041,018	1,954,800.0	5,802,496	3.06	68.39
14. TOTAL BIG BEND #3	400	199,840	67.2	67.7	85.8	10,297				2,057,680.0	6,230,680	3.12	-
15. B.B.#4 NAT GAS CO-FIRE	175	6,460	5.0	-	-	-	NG CO-FIRE	65,270	1,028,037	67,100.0	279,252	4.32	4.28
16. B.B.#4 COAL	442	122,690	37.3	-	-	-	COAL	55,330	23,041,388	1,274,880.0	3,784,205	3.08	68.39
17. TOTAL BIG BEND #4	442	129,150	39.3	46.6	81.6	10,391				1,341,980.0	4,063,457	3.15	-
18. B.B. 1-4 IGNITION	-	-	-	-	-	-	GAS	20,040	-	20,600.0	85,739	-	4.28
19. BIG BEND 1-4 COAL TOTAL	1,632	312,540	25.7	53.4	71.0	10,334	COAL	140,170	23,041,164	3,229,680.0	9,586,701	3.07	68.39
20. B.B.C.T.#4 OIL	0	0	0.0	0.0	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
21. B.B.C.T.#4 GAS	61	870	1.9	-	83.9	12,379	GAS	10,480	1,027,672	10,770.0	44,838	5.15	4.28
22. B.B.C.T.#4 TOTAL	61	870	1.9	98.3	83.9	12,379				10,770.0	44,838	5.15	-
23. BIG BEND STATION TOTAL	1,693	354,590	28.2	55.0	80.3	10,417				3,693,780.0	11,603,975	3.27	-
24. POLK #1 GASIFIER	220	133,230	81.4	-	97.0	10,223	COAL	47,610	28,608,696	1,362,060.0	4,233,478	3.18	88.92
25. POLK #1 CT GAS	205	0	0.0	-	0.0	0	GAS	2,630	0	0.0	0	0.00	0.00
26. POLK #1 TOTAL	220	133,230	81.4	72.7	97.0	10,223				1,362,060.0	4,233,478	3.18	-
27. POLK #2 CT (GAS)	180	690	0.5	-	95.8	10,942	GAS	7,340	1,028,610	7,550.0	31,404	4.55	4.28
28. POLK #2 CT (OIL)	187	140	0.1	-	12.5	10,857	LGT OIL	260	5,846,154	1,520.0	33,146	23.68	127.48
29. POLK #2 TOTAL	(4) 180	830	0.6	-	45.1	10,928				9,070.0	64,550	7.78	-
30. POLK #3 CT GAS	180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
31. POLK #3 CT OIL	187	140	0.1	-	12.5	10,857	LGT OIL	260	5,846,154	1,520.0	33,145	23.68	127.48
32. POLK #3 TOTAL	(4) 180	140	0.1	-	12.5	10,857				1,520.0	33,145	23.68	-
33. POLK #4 CT GAS	(4) 180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK #5 CT GAS	(4) 180	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
35. POLK #2 ST DUCT FIRING	120	5,060	5.7	-	79.6	8,180	GAS	40,250	1,028,323	41,390.0	172,206	3.40	4.28
36. POLK #2 ST W/O DUCT FIRING	360	623,020	-	-	-	-	GAS	4,099,820	1,028,001	4,214,620.0	17,540,744	2.82	4.28
37. POLK #2 CC TOTAL	1,200	628,080	70.3	97.3	66.5	6,776	GAS	-	-	4,256,010.0	17,712,950	2.82	-
38. POLK STATION TOTAL	1,420	762,280	72.2	93.5	79.5	7,384				5,628,660.0	22,044,123	2.89	-
39. BAYSIDE #1	792	275,550	46.8	96.5	48.8	7,424	GAS	1,990,090	1,027,999	2,045,810.0	8,514,437	3.09	4.28
40. BAYSIDE #2	1,047	84,560	10.9	59.0	29.7	7,963	GAS	655,030	1,028,014	673,380.0	2,802,493	3.31	4.28
41. BAYSIDE #3	61	100	0.2	98.6	82.0	13,000	GAS	1,270	1,023,622	1,300.0	5,434	5.43	4.28
42. BAYSIDE #4	61	50	0.1	98.6	82.0	13,000	GAS	630	1,031,746	650.0	2,695	5.39	4.28
43. BAYSIDE #5	61	420	0.9	98.6	86.1	12,333	GAS	5,040	1,027,778	5,180.0	21,563	5.13	4.28
44. BAYSIDE #6	61	260	0.6	98.6	85.2	12,269	GAS	3,100	1,029,032	3,190.0	13,263	5.10	4.28
45. BAYSIDE TOTAL	2,083	360,940	23.3	77.9	42.4	7,562	GAS	2,655,160	1,028,002	2,729,510.0	11,359,885	3.15	4.28
46. SYSTEM	5,296	1,500,700	38.1	73.3	88.1	8,031				12,051,950.0	45,007,983	3.00	-

LEGEND:

B.B. = BIG BEND
CT = COMBUSTION TURBINE
NG = NATURAL GAS
ST = STEAM
CC = COMBINED CYCLE

(1) As burned fuel cost system total includes ignition
(2) Fuel burned (MM BTU) system total excludes ignition
(3) AC rating

(4) In Simple Cycle Mode

TAMPA ELECTRIC COMPANY
SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH JUNE 2018

SCHEDULE E5

	Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18
HEAVY OIL						
1. PURCHASES:						
2. UNITS (BBL)	0	0	0	0	0	0
3. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
4. AMOUNT (\$)	0	0	0	0	0	0
5. BURNED:						
6. UNITS (BBL)	0	0	0	0	0	0
7. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
8. AMOUNT (\$)	0	0	0	0	0	0
9. ENDING INVENTORY:						
10. UNITS (BBL)	0	0	0	0	0	0
11. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
12. AMOUNT (\$)	0	0	0	0	0	0
13. DAYS SUPPLY:	0	0	0	0	0	0
LIGHT OIL						
14. PURCHASES:						
15. UNITS (BBL)	0	0	0	0	0	0
16. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
17. AMOUNT (\$)	0	0	0	0	0	0
18. BURNED:						
19. UNITS (BBL)	520	440	400	420	520	420
20. UNIT COST (\$/BBL)	127.48	127.48	127.48	127.48	127.48	127.48
21. AMOUNT (\$)	66,291	56,093	50,993	53,543	66,291	53,543
22. ENDING INVENTORY:						
23. UNITS (BBL)	41,288	40,848	40,448	40,028	39,508	39,088
24. UNIT COST (\$/BBL)	127.48	127.48	127.48	127.48	127.48	127.48
25. AMOUNT (\$)	5,263,517	5,207,425	5,156,432	5,102,889	5,036,597	4,983,055
26. DAYS SUPPLY: NORMAL	2,791	3,055	3,325	3,616	3,984	4,602
27. DAYS SUPPLY: EMERGENCY	6	6	6	6	6	6
COAL						
28. PURCHASES:						
29. UNITS (TONS)	217,010	217,000	157,000	167,000	162,000	237,000
30. UNIT COST (\$/TON)	74.31	73.31	73.41	74.03	73.62	74.48
31. AMOUNT (\$)	16,126,287	15,908,963	11,525,353	12,363,466	11,926,807	17,651,878
32. BURNED:						
33. UNITS (TONS)	228,730	194,850	182,600	162,120	190,710	212,270
34. UNIT COST (\$/TON)	68.44	69.83	73.86	74.43	74.43	74.69
35. AMOUNT (\$)	15,655,404	13,607,271	13,486,830	12,065,932	14,195,155	15,854,483
36. ENDING INVENTORY:						
37. UNITS (TONS)	602,978	625,128	599,528	604,408	575,698	600,428
38. UNIT COST (\$/TON)	66.90	68.47	68.72	68.95	68.78	69.41
39. AMOUNT (\$)	40,337,134	42,802,936	41,201,064	41,674,448	39,598,544	41,675,053
40. DAYS SUPPLY:	90	103	103	97	85	87
NATURAL GAS						
41. PURCHASES:						
42. UNITS (MCF)	6,542,810	5,862,520	7,276,570	8,369,605	9,858,919	10,557,220
43. UNIT COST (\$/MCF)	4.95	4.91	4.73	4.03	3.93	3.95
44. AMOUNT (\$)	32,408,245	28,786,538	34,402,705	33,690,689	38,745,564	41,746,580
45. BURNED:						
46. UNITS (MCF)	6,542,810	5,862,520	7,276,570	8,223,690	9,567,090	10,557,220
47. UNIT COST (\$/MCF)	4.94	4.90	4.71	4.08	3.95	3.94
48. AMOUNT (\$)	32,292,270	28,737,723	34,246,405	33,587,524	37,833,385	41,571,661
49. ENDING INVENTORY:						
50. UNITS (MCF)	729,572	729,572	729,572	875,486	1,167,315	1,167,315
51. UNIT COST (\$/MCF)	3.78	3.74	3.64	3.05	2.98	3.00
52. AMOUNT (\$)	2,759,700	2,731,200	2,658,900	2,669,220	3,474,960	3,502,560
53. DAYS SUPPLY:	3	3	3	4	6	6
NUCLEAR						
54. BURNED:						
55. UNITS (MMBTU)	0	0	0	0	0	0
56. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
57. AMOUNT (\$)	0	0	0	0	0	0
OTHER						
58. PURCHASES:						
59. UNITS (MMBTU)	0	0	0	0	0	0
60. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
61. AMOUNT (\$)	0	0	0	0	0	0
62. BURNED:						
63. UNITS (MMBTU)	0	0	0	0	0	0
64. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
65. AMOUNT (\$)	0	0	0	0	0	0
66. ENDING INVENTORY:						
67. UNITS (MMBTU)	0	0	0	0	0	0
68. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00
69. AMOUNT (\$)	0	0	0	0	0	0
70. DAYS SUPPLY:	0	0	0	0	0	0

NOTE: BEGINNING & ENDING INVENTORIES MAY NOT BALANCE BECAUSE OF THE FOLLOWING
(1) LIGHT OIL-IGNITION AND ANALYSIS (2) COAL-IGNITION, ADDITIVES, ANALYSIS, AND INVENTORY ADJUSTMENTS (3) GAS-IGNITION

SCHEDULE E5

TAMPA ELECTRIC COMPANY
SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
ESTIMATED FOR THE PERIOD: JULY 2018 THROUGH DECEMBER 2018

	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
HEAVY OIL							
1. PURCHASES:							
2. UNITS (BBL)	0	0	0	0	0	0	0
3. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4. AMOUNT (\$)	0	0	0	0	0	0	0
5. BURNED:							
6. UNITS (BBL)	0	0	0	0	0	0	0
7. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8. AMOUNT (\$)	0	0	0	0	0	0	0
9. ENDING INVENTORY:							
10. UNITS (BBL)	0	0	0	0	0	0	0
11. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12. AMOUNT (\$)	0	0	0	0	0	0	0
13. DAYS SUPPLY:	0	0	0	0	0	0	-
LIGHT OIL							
14. PURCHASES:							
15. UNITS (BBL)	0	0	0	0	0	0	0
16. UNIT COST (\$/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17. AMOUNT (\$)	0	0	0	0	0	0	0
18. BURNED:							
19. UNITS (BBL)	400	500	420	520	320	520	5,400
20. UNIT COST (\$/BBL)	127.48	127.48	127.48	127.48	127.48	127.48	127.48
21. AMOUNT (\$)	50,993	63,742	53,543	66,291	40,795	66,291	688,409
22. ENDING INVENTORY:							
23. UNITS (BBL)	38,688	38,188	37,768	37,248	36,928	36,408	36,408
24. UNIT COST (\$/BBL)	127.48	127.48	127.48	127.48	127.48	127.48	127.48
25. AMOUNT (\$)	4,932,061	4,868,320	4,814,777	4,748,486	4,707,691	4,641,400	4,641,400
26. DAYS SUPPLY: NORMAL	5,269	6,113	7,745	9,997	16,046	25,556	-
27. DAYS SUPPLY: EMERGENCY	6	5	5	5	5	5	-
COAL							
28. PURCHASES:							
29. UNITS (TONS)	212,000	192,000	162,000	152,000	157,000	168,000	2,200,010
30. UNIT COST (\$/TON)	73.23	69.89	68.06	69.33	69.64	70.21	72.15
31. AMOUNT (\$)	15,524,095	13,418,196	11,025,344	10,538,691	10,934,049	11,795,311	158,738,440
32. BURNED:							
33. UNITS (TONS)	219,420	200,420	169,900	174,790	215,060	187,780	2,338,650
34. UNIT COST (\$/TON)	75.08	72.71	70.19	74.45	73.70	74.05	72.95
35. AMOUNT (\$)	16,474,522	14,572,656	11,925,854	13,013,277	15,849,558	13,905,918	170,606,860
36. ENDING INVENTORY:							
37. UNITS (TONS)	593,008	584,588	576,688	553,898	495,838	476,058	476,058
38. UNIT COST (\$/TON)	69.14	68.51	68.15	67.07	65.45	64.12	64.12
39. AMOUNT (\$)	41,000,452	40,048,641	39,298,574	37,151,765	32,454,605	30,523,994	30,523,994
40. DAYS SUPPLY:	93	99	94	88	113	228	-
NATURAL GAS							
41. PURCHASES:							
42. UNITS (MCF)	10,839,890	11,657,860	10,955,480	9,360,880	6,058,091	7,276,700	104,616,545
43. UNIT COST (\$/MCF)	3.98	3.97	3.96	3.99	4.31	4.29	4.18
44. AMOUNT (\$)	43,143,170	46,244,465	43,344,759	37,394,807	26,111,141	31,252,465	437,271,128
45. BURNED:							
46. UNITS (MCF)	10,839,890	11,657,860	10,955,480	9,360,880	6,349,920	7,276,700	104,470,630
47. UNIT COST (\$/MCF)	3.96	3.96	3.95	3.97	4.23	4.27	4.17
48. AMOUNT (\$)	42,935,269	46,136,010	43,262,824	37,197,054	26,862,417	31,035,774	435,698,316
49. ENDING INVENTORY:							
50. UNITS (MCF)	1,167,315	1,167,315	1,167,315	1,167,315	875,486	875,486	875,486
51. UNIT COST (\$/MCF)	3.02	3.03	3.01	3.02	3.07	3.21	3.21
52. AMOUNT (\$)	3,530,640	3,537,600	3,508,800	3,528,720	2,690,100	2,809,800	2,809,800
53. DAYS SUPPLY:	8	9	13	19	23	44	-
NUCLEAR							
54. BURNED:							
55. UNITS (MMBTU)	0	0	0	0	0	0	0
56. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57. AMOUNT (\$)	0	0	0	0	0	0	0
OTHER							
58. PURCHASES:							
59. UNITS (MMBTU)	0	0	0	0	0	0	0
60. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
61. AMOUNT (\$)	0	0	0	0	0	0	0
62. BURNED:							
63. UNITS (MMBTU)	0	0	0	0	0	0	0
64. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
65. AMOUNT (\$)	0	0	0	0	0	0	0
66. ENDING INVENTORY:							
67. UNITS (MMBTU)	0	0	0	0	0	0	0
68. UNIT COST (\$/MMBTU)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
69. AMOUNT (\$)	0	0	0	0	0	0	0
70. DAYS SUPPLY:	0	0	0	0	0	0	-

NOTE: BEGINNING & ENDING INVENTORIES MAY NOT BALANCE BECAUSE OF THE FOLLOWING

(1) LIGHT OIL-IGNITION AND ANALYSIS (2) COAL-IGNITION, ADDITIVES, ANALYSIS, AND INVENTORY ADJUSTMENTS (3) GAS-IGNITION

**TAMPA ELECTRIC COMPANY
POWER SOLD
ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH JUNE 2018**

SCHEDULE E6

(1) MONTH	(2) SOLD TO	(3) TYPE & SCHEDULE	(4) TOTAL MWH SOLD	(5) MWH WHEELED FROM OTHER SYSTEMS	(6) MWH FROM OWN GENERATION	(7) CENTS/KWH		(8) TOTAL \$ FOR FUEL ADJUSTMENT	(9) TOTAL COST \$	(10) GAINS ON SALES
						(A) FUEL COST	(B) TOTAL COST			
						Jan-18	SEMINOLE JURISD. SCH. - D			
	VARIOUS JURISD. MKT. BASE	1,140.0	0.0	1,140.0	2.819	3.102	32,142.24	35,360.00	3,217.76	
	TOTAL	1,960.0	0.0	1,960.0	2.834	3.079	55,542.24	60,351.00	4,808.76	
Feb-18	SEMINOLE JURISD. SCH. - D	660.0	0.0	660.0	2.847	3.041	18,790.00	20,068.00	1,278.00	
	VARIOUS JURISD. MKT. BASE	960.0	0.0	960.0	3.253	3.579	31,233.24	34,360.00	3,126.76	
	TOTAL	1,620.0	0.0	1,620.0	3.088	3.360	50,023.24	54,428.00	4,404.76	
Mar-18	SEMINOLE JURISD. SCH. - D	880.0	0.0	880.0	2.899	3.096	25,510.00	27,244.00	1,734.00	
	VARIOUS JURISD. MKT. BASE	930.0	0.0	930.0	4.174	4.591	38,814.30	42,700.00	3,885.70	
	TOTAL	1,810.0	0.0	1,810.0	3.554	3.864	64,324.30	69,944.00	5,619.70	
Apr-18	SEMINOLE JURISD. SCH. - D	1,080.0	0.0	1,080.0	2.501	2.671	27,010.00	28,846.00	1,836.00	
	VARIOUS JURISD. MKT. BASE	990.0	0.0	990.0	2.705	2.976	26,779.14	29,460.00	2,680.86	
	TOTAL	2,070.0	0.0	2,070.0	2.599	2.817	53,789.14	58,306.00	4,516.86	
May-18	SEMINOLE JURISD. SCH. - D	930.0	0.0	930.0	2.377	2.539	22,110.00	23,613.00	1,503.00	
	VARIOUS JURISD. MKT. BASE	1,050.0	0.0	1,050.0	2.395	2.634	25,142.94	27,660.00	2,517.06	
	TOTAL	1,980.0	0.0	1,980.0	2.387	2.590	47,252.94	51,273.00	4,020.06	
Jun-18	SEMINOLE JURISD. SCH. - D	990.0	0.0	990.0	2.458	2.625	24,330.00	25,984.00	1,654.00	
	VARIOUS JURISD. MKT. BASE	960.0	0.0	960.0	2.601	2.861	24,970.23	27,470.00	2,499.77	
	TOTAL	1,950.0	0.0	1,950.0	2.528	2.741	49,300.23	53,454.00	4,153.77	

TAMPA ELECTRIC COMPANY
 POWER SOLD
 ESTIMATED FOR THE PERIOD: JULY 2018 THROUGH DECEMBER 2018

(1)	(2)	(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)
MONTH	SOLD TO	TYPE & SCHEDULE	TOTAL MWH SOLD	MWH WHEELED		CENTS/KWH		TOTAL \$ FOR FUEL ADJUSTMENT	TOTAL COST \$	GAINS ON SALES
				FROM OTHER SYSTEMS	MWH FROM OWN GENERATION	(A) FUEL COST	(B) TOTAL COST			
Jul-18	SEMINOLE JURISD.	SCH. - D	1,000.0	0.0	1,000.0	2.592	2.768	25,920.00	27,682.00	1,762.00
	VARIOUS JURISD.	MKT. BASE	900.0	0.0	900.0	3.622	3.984	32,596.74	35,860.00	3,263.26
	TOTAL		1,900.0	0.0	1,900.0	3.080	3.344	58,516.74	63,542.00	5,025.26
Aug-18	SEMINOLE JURISD.	SCH. - D	1,010.0	0.0	1,010.0	2.661	2.842	26,880.00	28,708.00	1,828.00
	VARIOUS JURISD.	MKT. BASE	1,130.0	0.0	1,130.0	3.417	3.759	38,614.32	42,480.00	3,865.68
	TOTAL		2,140.0	0.0	2,140.0	3.060	3.327	65,494.32	71,188.00	5,693.68
Sep-18	SEMINOLE JURISD.	SCH. - D	1,010.0	0.0	1,010.0	2.540	2.712	25,650.00	27,394.00	1,744.00
	VARIOUS JURISD.	MKT. BASE	930.0	0.0	930.0	2.502	2.753	23,270.40	25,600.00	2,329.60
	TOTAL		1,940.0	0.0	1,940.0	2.522	2.732	48,920.40	52,994.00	4,073.60
Oct-18	SEMINOLE JURISD.	SCH. - D	720.0	0.0	720.0	2.646	2.826	19,050.00	20,345.00	1,295.00
	VARIOUS JURISD.	MKT. BASE	1,130.0	0.0	1,130.0	3.540	3.895	40,005.09	44,010.00	4,004.91
	TOTAL		1,850.0	0.0	1,850.0	3.192	3.479	59,055.09	64,355.00	5,299.91
Nov-18	SEMINOLE JURISD.	SCH. - D	650.0	0.0	650.0	2.566	2.741	16,680.00	17,814.00	1,134.00
	VARIOUS JURISD.	MKT. BASE	700.0	0.0	700.0	2.714	2.986	18,998.10	20,900.00	1,901.90
	TOTAL		1,350.0	0.0	1,350.0	2.643	2.868	35,678.10	38,714.00	3,035.90
Dec-18	SEMINOLE JURISD.	SCH. - D	590.0	0.0	590.0	2.512	2.683	14,820.00	15,828.00	1,008.00
	VARIOUS JURISD.	MKT. BASE	1,170.0	0.0	1,170.0	2.501	2.751	29,260.71	32,190.00	2,929.29
	TOTAL		1,760.0	0.0	1,760.0	2.505	2.728	44,080.71	48,018.00	3,937.29
TOTAL	SEMINOLE JURISD.	SCH. - D	10,340.0	0.0	10,340.0	2.613	2.790	270,150.00	288,517.00	18,367.00
Jan-18	VARIOUS JURISD.	MKT. BASE	11,990.0	0.0	11,990.0	3.018	3.320	361,827.45	398,050.00	36,222.55
THRU Dec-18	TOTAL		22,330.0	0.0	22,330.0	2.830	3.075	631,977.45	686,567.00	54,589.55

TAMPA ELECTRIC COMPANY
PURCHASED POWER **SCHEDULE E7**
EXCLUSIVE OF ECONOMY AND QUALIFYING FACILITIES
ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018

(1) MONTH	(2) PURCHASED FROM	(3) TYPE & SCHEDULE	(4) TOTAL MWH PURCHASED	(5) MWH FOR OTHER UTILITIES	(6) MWH FOR INTERRUPTIBLE	(7) MWH FOR FIRM	(8) CENTS/KWH		(9) TOTAL \$ FOR FUEL ADJUSTMENT
							(A) FUEL COST	(B) TOTAL COST	
Jan-18	PASCO COGEN	SCH. - D	730.0	0.0	0.0	730.0	4.908	4.908	35,830.00
	TOTAL		730.0	0.0	0.0	730.0	4.908	4.908	35,830.00
Feb-18	PASCO COGEN	SCH. - D	1,260.0	0.0	0.0	1,260.0	4.816	4.816	60,680.00
	TOTAL		1,260.0	0.0	0.0	1,260.0	4.816	4.816	60,680.00
Mar-18	PASCO COGEN	SCH. - D	3,640.0	0.0	0.0	3,640.0	4.452	4.452	162,060.00
	TOTAL		3,640.0	0.0	0.0	3,640.0	4.452	4.452	162,060.00
Apr-18	PASCO COGEN	SCH. - D	2,650.0	0.0	0.0	2,650.0	4.062	4.062	107,650.00
	TOTAL		2,650.0	0.0	0.0	2,650.0	4.062	4.062	107,650.00
May-18	PASCO COGEN	SCH. - D	3,780.0	0.0	0.0	3,780.0	3.913	3.913	147,910.00
	TOTAL		3,780.0	0.0	0.0	3,780.0	3.913	3.913	147,910.00
Jun-18	PASCO COGEN	SCH. - D	7,490.0	0.0	0.0	7,490.0	3.850	3.850	288,370.00
	TOTAL		7,490.0	0.0	0.0	7,490.0	3.850	3.850	288,370.00
Jul-18	PASCO COGEN	SCH. - D	10,130.0	0.0	0.0	10,130.0	3.860	3.860	391,020.00
	TOTAL		10,130.0	0.0	0.0	10,130.0	3.860	3.860	391,020.00
Aug-18	PASCO COGEN	SCH. - D	8,010.0	0.0	0.0	8,010.0	3.858	3.858	309,040.00
	TOTAL		8,010.0	0.0	0.0	8,010.0	3.858	3.858	309,040.00
Sep-18	PASCO COGEN	SCH. - D	6,670.0	0.0	0.0	6,670.0	3.819	3.819	254,740.00
	TOTAL		6,670.0	0.0	0.0	6,670.0	3.819	3.819	254,740.00
Oct-18	PASCO COGEN	SCH. - D	9,430.0	0.0	0.0	9,430.0	3.846	3.846	362,720.00
	TOTAL		9,430.0	0.0	0.0	9,430.0	3.846	3.846	362,720.00
Nov-18	PASCO COGEN	SCH. - D	10,470.0	0.0	0.0	10,470.0	4.047	4.047	423,770.00
	TOTAL		10,470.0	0.0	0.0	10,470.0	4.047	4.047	423,770.00
Dec-18	PASCO COGEN	SCH. - D	3,190.0	0.0	0.0	3,190.0	4.313	4.313	137,590.00
	TOTAL		3,190.0	0.0	0.0	3,190.0	4.313	4.313	137,590.00
TOTAL									
Jan-18 THRU Dec-18	PASCO COGEN TOTAL	SCH. - D	67,450.0 67,450.0	0.0 0.0	0.0 0.0	67,450.0 67,450.0	3.975 3.975	3.975 3.975	2,681,380.00 2,681,380.00

TAMPA ELECTRIC COMPANY
ENERGY PAYMENT TO QUALIFYING FACILITIES
ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018

SCHEDULE E8

(1) MONTH	(2) PURCHASED FROM	(3) TYPE & SCHEDULE	(4) TOTAL MWH PURCHASED	(5) MWH FOR OTHER UTILITIES	(6) MWH FOR INTERRUPTIBLE	(7) MWH FOR FIRM	(8) CENTS/KWH		(9) TOTAL \$ FOR FUEL ADJUSTMENT
							(A) FUEL COST	(B) TOTAL COST	
Jan-18	VARIOUS	CO-GEN. AS AVAIL.	7,680.0	0.0	0.0	7,680.0	3.695	3.695	283,760.00
	TOTAL		<u>7,680.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,680.0</u>	<u>3.695</u>	<u>3.695</u>	<u>283,760.00</u>
Feb-18	VARIOUS	CO-GEN. AS AVAIL.	7,280.0	0.0	0.0	7,280.0	3.168	3.168	230,640.00
	TOTAL		<u>7,280.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,280.0</u>	<u>3.168</u>	<u>3.168</u>	<u>230,640.00</u>
Mar-18	VARIOUS	CO-GEN. AS AVAIL.	7,600.0	0.0	0.0	7,600.0	2.444	2.444	185,740.00
	TOTAL		<u>7,600.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,600.0</u>	<u>2.444</u>	<u>2.444</u>	<u>185,740.00</u>
Apr-18	VARIOUS	CO-GEN. AS AVAIL.	7,480.0	0.0	0.0	7,480.0	2.117	2.117	158,380.00
	TOTAL		<u>7,480.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,480.0</u>	<u>2.117</u>	<u>2.117</u>	<u>158,380.00</u>
May-18	VARIOUS	CO-GEN. AS AVAIL.	7,540.0	0.0	0.0	7,540.0	2.910	2.910	219,420.00
	TOTAL		<u>7,540.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,540.0</u>	<u>2.910</u>	<u>2.910</u>	<u>219,420.00</u>
Jun-18	VARIOUS	CO-GEN. AS AVAIL.	7,500.0	0.0	0.0	7,500.0	2.451	2.451	183,820.00
	TOTAL		<u>7,500.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,500.0</u>	<u>2.451</u>	<u>2.451</u>	<u>183,820.00</u>
Jul-18	VARIOUS	CO-GEN. AS AVAIL.	7,460.0	0.0	0.0	7,460.0	2.962	2.962	220,950.00
	TOTAL		<u>7,460.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,460.0</u>	<u>2.962</u>	<u>2.962</u>	<u>220,950.00</u>
Aug-18	VARIOUS	CO-GEN. AS AVAIL.	7,530.0	0.0	0.0	7,530.0	3.447	3.447	259,590.00
	TOTAL		<u>7,530.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,530.0</u>	<u>3.447</u>	<u>3.447</u>	<u>259,590.00</u>
Sep-18	VARIOUS	CO-GEN. AS AVAIL.	7,520.0	0.0	0.0	7,520.0	2.459	2.459	184,910.00
	TOTAL		<u>7,520.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,520.0</u>	<u>2.459</u>	<u>2.459</u>	<u>184,910.00</u>
Oct-18	VARIOUS	CO-GEN. AS AVAIL.	7,550.0	0.0	0.0	7,550.0	3.200	3.200	241,610.00
	TOTAL		<u>7,550.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,550.0</u>	<u>3.200</u>	<u>3.200</u>	<u>241,610.00</u>
Nov-18	VARIOUS	CO-GEN. AS AVAIL.	7,400.0	0.0	0.0	7,400.0	2.984	2.984	220,790.00
	TOTAL		<u>7,400.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,400.0</u>	<u>2.984</u>	<u>2.984</u>	<u>220,790.00</u>
Dec-18	VARIOUS	CO-GEN. AS AVAIL.	7,570.0	0.0	0.0	7,570.0	2.507	2.507	189,800.00
	TOTAL		<u>7,570.0</u>	<u>0.0</u>	<u>0.0</u>	<u>7,570.0</u>	<u>2.507</u>	<u>2.507</u>	<u>189,800.00</u>
TOTAL Jan-18 THRU Dec-18	VARIOUS TOTAL	CO-GEN. AS AVAIL.	<u>90,110.0</u>	<u>0.0</u>	<u>0.0</u>	<u>90,110.0</u>	<u>2.863</u>	<u>2.863</u>	<u>2,579,410.00</u>

**TAMPA ELECTRIC COMPANY
ECONOMY ENERGY PURCHASES
ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018**

SCHEDULE E9

(1) MONTH	(2) PURCHASED FROM	(3) TYPE & SCHEDULE	(4) TOTAL MWH PURCHASED	(5) MWH FOR INTERRUPTIBLE	(6) MWH FOR FIRM	(7) TRANSACT. COST cents/KWH	(8) TOTAL \$ FOR FUEL ADJUSTMENT	(9) COST IF GENERATED		(10) FUEL SAVINGS (9B)-(8)
								(A) CENTS PER KWH	(B) (\$000)	
Jan-18	VARIOUS	ECONOMY	27,290.0	0.0	27,290.0	2.885	787,240.00	3.054	833,340.00	46,100.00
Feb-18	VARIOUS	ECONOMY	24,200.0	0.0	24,200.0	2.977	720,460.00	3.180	769,570.00	49,110.00
Mar-18	VARIOUS	ECONOMY	25,130.0	0.0	25,130.0	3.438	864,050.00	4.217	1,059,830.00	195,780.00
Apr-18	VARIOUS	ECONOMY	27,320.0	0.0	27,320.0	3.407	930,880.00	3.627	990,930.00	60,050.00
May-18	VARIOUS	ECONOMY	26,610.0	0.0	26,610.0	2.746	730,820.00	3.829	1,018,880.00	288,060.00
Jun-18	VARIOUS	ECONOMY	25,170.0	0.0	25,170.0	2.811	707,410.00	7.407	1,864,230.00	1,156,820.00
Jul-18	VARIOUS	ECONOMY	26,600.0	0.0	26,600.0	3.488	927,720.00	7.326	1,948,730.00	1,021,010.00
Aug-18	VARIOUS	ECONOMY	27,400.0	0.0	27,400.0	3.517	963,660.00	6.376	1,746,930.00	783,270.00
Sep-18	VARIOUS	ECONOMY	27,150.0	0.0	27,150.0	3.306	897,480.00	6.111	1,659,150.00	761,670.00
Oct-18	VARIOUS	ECONOMY	27,710.0	0.0	27,710.0	3.142	870,580.00	5.010	1,388,330.00	517,750.00
Nov-18	VARIOUS	ECONOMY	21,320.0	0.0	21,320.0	2.794	595,610.00	4.528	965,290.00	369,680.00
Dec-18	VARIOUS	ECONOMY	27,380.0	0.0	27,380.0	2.595	710,560.00	4.280	1,171,820.00	461,260.00
TOTAL	VARIOUS	ECONOMY	313,280.0	0.0	313,280.0	3.098	9,706,470.00	4.921	15,417,030.00	5,710,560.00

TAMPA ELECTRIC COMPANY
 RESIDENTIAL BILL COMPARISON
 FOR MONTHLY USAGE OF 1,000 KWH

	Current Jan 17 - Dec 17	Projected Jan 18 - Dec 18	Difference	
			\$	%
Base Rate Revenue	68.62	68.62	0.00	0.0%
Fuel Recovery Revenue	26.42	28.18	1.76	6.7%
Conservation Revenue	2.25	2.46	0.21	9.3%
Capacity Revenue	0.88	0.66	(0.22)	-25.0%
Environmental Revenue	3.89	3.43	(0.46)	-11.8%
Florida Gross Receipts Tax Revenue	2.62	2.65	0.03	1.1%
TOTAL REVENUE	\$104.68	\$106.00	\$1.32	1.3%

SCHEDULE H1

TAMPA ELECTRIC COMPANY
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
PERIOD: JANUARY THROUGH DECEMBER

	ACTUAL 2015	ACTUAL 2016	ACT/EST 2017	EST 2018	DIFFERENCE (%)		
					2016-2015	2017-2016	2018-2017
FUEL COST OF SYSTEM NET GENERATION (\$)							
1 HEAVY OIL ⁽¹⁾	0	0	0	0	0.0%	0.0%	0.0%
2 LIGHT OIL ⁽¹⁾	100,149	1,889,022	341,655	688,409	1786.2%	-81.9%	101.5%
3 COAL	315,575,618	272,390,442	208,603,850	170,606,860	-13.7%	-23.4%	-18.2%
4 NATURAL GAS	331,614,300	302,563,572	421,089,560	435,698,316	-8.8%	39.2%	3.5%
5 NUCLEAR	0	0	0	0	0.0%	0.0%	0.0%
6 OTHER	0	0	0	0	0.0%	0.0%	0.0%
7 TOTAL (\$)	647,290,067	576,843,036	630,035,065	606,993,585	-10.9%	9.2%	-3.7%
SYSTEM NET GENERATION (MWH)							
8 HEAVY OIL ⁽¹⁾	0	0	0	0	0.0%	0.0%	0.0%
9 LIGHT OIL ⁽¹⁾	264	182	1,460	2,920	-31.1%	702.2%	100.0%
10 COAL	9,118,709	7,754,354	6,761,453	5,456,970	-15.0%	-12.8%	-19.3%
11 NATURAL GAS	9,919,007	9,865,453	13,164,823	14,465,160	-0.5%	33.4%	9.9%
12 NUCLEAR	0	0	0	0	0.0%	0.0%	0.0%
13 OTHER	0	3,316	44,871	142,110	0.0%	1253.2%	216.7%
14 TOTAL (MWH)	19,037,980	17,623,305	19,972,607	20,067,160	-7.4%	13.3%	0.5%
UNITS OF FUEL BURNED							
15 HEAVY OIL (BBL) ⁽¹⁾	0	0	0	0	0.0%	0.0%	0.0%
16 LIGHT OIL (BBL) ⁽¹⁾	777	532	2,680	5,400	-31.5%	403.8%	101.5%
17 COAL (TON)	4,016,804	3,397,515	2,934,516	2,338,650	-15.4%	-13.6%	-20.3%
18 NATURAL GAS (MCF)	74,846,827	77,886,370	95,307,609	104,470,630	4.1%	22.4%	9.6%
19 NUCLEAR (MMBTU)	0	0	0	0	0.0%	0.0%	0.0%
20 OTHER	0	0	0	0	0.0%	0.0%	0.0%
BTUS BURNED (MMBTU)							
21 HEAVY OIL ⁽¹⁾	0	0	0	0	0.0%	0.0%	0.0%
22 LIGHT OIL ⁽¹⁾	4,484	3,071	15,480	31,340	-31.5%	404.1%	102.5%
23 COAL	96,061,582	82,203,563	71,335,834	56,478,090	-14.4%	-13.2%	-20.8%
24 NATURAL GAS	76,630,631	79,678,589	97,552,965	107,036,360	4.0%	22.4%	9.7%
25 NUCLEAR	0	0	0	0	0.0%	0.0%	0.0%
26 OTHER	0	0	0	0	0.0%	0.0%	0.0%
27 TOTAL (MMBTU)	172,696,697	161,885,222	168,904,278	163,545,790	-6.3%	4.3%	-3.2%
GENERATION MIX (% MWH)							
28 HEAVY OIL ⁽¹⁾	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
29 LIGHT OIL ⁽¹⁾	0.00	0.00	0.01	0.01	0.0%	0.0%	0.0%
30 COAL	47.90	44.00	33.86	27.20	-8.1%	-23.0%	-19.7%
31 NATURAL GAS	52.10	55.98	65.91	72.08	7.4%	17.7%	9.4%
32 NUCLEAR	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
33 OTHER	0.00	0.02	0.22	0.71	0.0%	1000.0%	222.7%
34 TOTAL (%)	100.00	100.00	100.00	100.00	0.0%	0.0%	0.0%
FUEL COST PER UNIT							
35 HEAVY OIL (\$/BBL) ⁽¹⁾	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
36 LIGHT OIL (\$/BBL) ⁽¹⁾	128.89	3,550.79	127.48	127.48	2654.9%	-96.4%	0.0%
37 COAL (\$/TON)	78.56	80.17	71.09	72.95	2.0%	-11.3%	2.6%
38 NATURAL GAS (\$/MCF)	4.43	3.88	4.42	4.17	-12.4%	13.9%	-5.7%
39 NUCLEAR (\$/MMBTU)	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
40 OTHER	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
FUEL COST PER MMBTU (\$/MMBTU)							
41 HEAVY OIL ⁽¹⁾	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
42 LIGHT OIL ⁽¹⁾	22.34	615.12	22.07	21.97	2653.4%	-96.4%	-0.5%
43 COAL	3.29	3.31	2.92	3.02	0.6%	-11.8%	3.4%
44 NATURAL GAS	4.33	3.80	4.32	4.07	-12.2%	13.7%	-5.8%
45 NUCLEAR	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
46 OTHER	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
47 TOTAL (\$/MMBTU)	3.75	3.56	3.73	3.71	-5.1%	4.8%	-0.5%
BTU BURNED PER KWH (BTU/KWH)							
48 HEAVY OIL ⁽¹⁾	0	0	0	0	0.0%	0.0%	0.0%
49 LIGHT OIL ⁽¹⁾	16,984	16,874	10,603	10,733	-0.6%	-37.2%	1.2%
50 COAL	10,535	10,601	10,550	10,350	0.6%	-0.5%	-1.9%
51 NATURAL GAS	7,726	8,077	7,410	7,400	4.5%	-8.3%	-0.1%
52 NUCLEAR	0	0	0	0	0.0%	0.0%	0.0%
53 OTHER	0	0	0	0	0.0%	0.0%	0.0%
54 TOTAL (BTU/KWH)	9,071	9,186	8,457	8,150	1.3%	-7.9%	-3.6%
GENERATED FUEL COST PER KWH (cents/KWH)							
55 HEAVY OIL ⁽¹⁾	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
56 LIGHT OIL ⁽¹⁾	37.94	1,037.92	23.40	23.58	2635.7%	-97.7%	0.8%
57 COAL	3.46	3.51	3.09	3.13	1.4%	-12.0%	1.3%
58 NATURAL GAS	3.34	3.07	3.20	3.01	-8.1%	4.2%	-5.9%
59 NUCLEAR	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
60 OTHER	0.00	0.00	0.00	0.00	0.0%	0.0%	0.0%
61 TOTAL (cents/KWH)	3.40	3.27	3.15	3.02	-3.8%	-3.7%	-4.1%

⁽¹⁾ DISTILLATE (BBLs, MWH & \$) USED FOR FIRING, HOT STANDBY, ETC. IS INCLUDED IN FOSSIL STEAM PLANTS.

**EXHIBIT TO THE TESTIMONY OF
PENELOPE A. RUSK**

DOCUMENT NO. 3

**LEVELIZED AND TIERED FUEL RATE
JANUARY 2018 - DECEMBER 2018**

**Tampa Electric Company
 Comparison of Levelized and Tiered Fuel Revenues
 For the Period January 2018 through December 2018**

	Annual Units MWH	Levelized Fuel Rate Cents/kWh	Annual Fuel Revenues \$	Tiered Fuel Rates Cents/kWh	Annual Fuel Revenues \$
Residential Excluding TOU:					
TIER I (Up to 1,000) kWh	6,288,857	3.132	196,967,001	2.818	177,219,990
TIER II (Over 1,000) kWh	2,878,573	3.132	90,156,907	3.818	109,903,918
Total	<u>9,167,430</u>		<u>287,123,908</u>		<u>287,123,908</u>

**EXHIBIT TO THE TESTIMONY OF
PENELOPE A. RUSK**

DOCUMENT NO. 4

**CAPITAL PROJECTS APPROVED FOR
FUEL CLAUSE RECOVERY**

JANUARY 2018 - DECEMBER 2018

**POLK UNIT 1 IGNITION CONVERSION
SCHEDULE OF DEPRECIATION AND RETURN
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018**

	PROJECTED JANUARY	PROJECTED FEBRUARY	PROJECTED MARCH	PROJECTED APRIL	PROJECTED MAY	PROJECTED JUNE	PROJECTED JULY	PROJECTED AUGUST	PROJECTED SEPTEMBER	PROJECTED OCTOBER	PROJECTED NOVEMBER	PROJECTED DECEMBER	TOTAL
1 BEGINNING BALANCE	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951
2 ADD INVESTMENT	-	-	-	-	-	-	-	-	-	-	-	-	-
3 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
4 ENDING BALANCE	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951
5													
6													
7 AVERAGE BALANCE	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951
8 DEPRECIATION RATE	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%	0.000000%
9 DEPRECIATION EXPENSE	\$269,225	\$269,225	\$269,225	\$269,225	\$269,225	\$269,225	-	-	-	-	-	-	\$1,615,350
10 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
11 BEGINNING BALANCE DEPRECIATION	\$14,528,600	\$14,797,825	\$15,067,050	\$15,336,276	\$15,605,501	\$15,874,726	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$14,528,600
12 ENDING BALANCE DEPRECIATION	\$14,797,825	\$15,067,050	\$15,336,276	\$15,605,501	\$15,874,726	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951	\$16,143,951
13													
14													
15 ENDING NET INVESTMENT	\$1,346,125	\$1,076,900	\$807,675	\$538,450	\$269,225	-	-	-	-	-	-	-	\$-
16													
17													
18 AVERAGE INVESTMENT	\$1,480,738	\$1,211,513	\$942,288	\$673,063	\$403,838	\$134,613	-	-	-	-	-	-	-
19 ALLOWED EQUITY RETURN	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%	.00000%	.00000%	.00000%	.00000%	.00000%	.00000%	.00000%
20 EQUITY COMPONENT AFTER-TAX	\$5,295	\$4,332	\$3,370	\$2,407	\$1,444	\$481	-	-	-	-	-	-	\$17,329
21 CONVERSION TO PRE-TAX	1,63220	1,63220	1,63220	1,63220	1,63220	1,63220	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
22 EQUITY COMPONENT PRE-TAX	\$8,642	\$7,071	\$5,501	\$3,929	\$2,357	\$785	-	-	-	-	-	-	\$28,285
23													
24 ALLOWED DEBT RETURN	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%	.00000%	.00000%	.00000%	.00000%	.00000%	.00000%	.00000%
25 DEBT COMPONENT	\$2,216	\$1,813	\$1,410	\$1,007	\$604	\$201	-	-	-	-	-	-	\$7,251
26													
27 TOTAL RETURN REQUIREMENTS	\$10,858	\$8,884	\$6,911	\$4,936	\$2,961	\$986	-	-	-	-	-	-	\$35,536
28													
29 TOTAL DEPRECIATION & RETURN	\$280,083	\$278,109	\$276,136	\$274,161	\$272,186	\$270,211	-	-	-	-	-	-	\$1,650,886
30													
31 ESTIMATED FUEL SAVINGS	\$0	\$920,458	\$2,245,737	\$2,617,640	\$1,660,877	\$1,786,724	\$547,726	\$776,952	\$0	\$2,964,752	\$2,305,888	\$0	\$15,826,754
32 TOTAL DEPRECIATION & RETURN	\$280,083	\$278,109	\$276,136	\$274,161	\$272,186	\$270,211	-	-	-	-	-	-	\$1,650,886
33 NET BENEFIT (COST) TO RATEPAYER	(\$280,083)	\$642,349	\$1,969,601	\$2,343,479	\$1,388,691	\$1,516,513	\$47,726	\$776,952	-	\$2,964,752	\$2,305,888	-	\$14,175,868
34													

35 DEPRECIATION EXPENSE IS CALCULATED BASED UPON A FIVE YEAR PERIOD.

36 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JANUARY - JUNE USING AN ANNUAL RATE OF 8.7999% (EQUITY 7.0040% , DEBT 1.7959%). RATES ARE BASED ON THE MAY 2017 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).

37 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JULY - DECEMBER USING AN ANNUAL RATE OF 8.7999% (EQUITY 7.0040% , DEBT 1.7959%). RATES ARE BASED ON THE MAY 2017 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).

38 RETURN REQUIREMENT IS CALCULATED BASED UPON A COMBINED STATUTORY RATE OF 38.575%

39 ZERO PROJECTED GENERATION RESULTS IN ZERO ESTIMATED FUEL SAVINGS FOR THAT MONTH.

**BIG BEND UNITS 1-4 IGNITERS CONVERSION TO NATURAL GAS
SCHEDULE OF DEPRECIATION AND RETURN
FOR THE PERIOD JANUARY 2018 THROUGH DECEMBER 2018**

	PROJECTED JANUARY	PROJECTED FEBRUARY	PROJECTED MARCH	PROJECTED APRIL	PROJECTED MAY	PROJECTED JUNE	PROJECTED JULY	PROJECTED AUGUST	PROJECTED SEPTEMBER	PROJECTED OCTOBER	PROJECTED NOVEMBER	PROJECTED DECEMBER	TOTAL
1 BEGINNING BALANCE	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348
2 ADD INVESTMENT: Big Bend Unit 3 (Jan 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
2a ADD INVESTMENT: Big Bend Unit 4 (May 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
2b ADD INVESTMENT: Big Bend Unit 2 (June 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
2c ADD INVESTMENT: Big Bend Unit 1 (November 2015)	-	-	-	-	-	-	-	-	-	-	-	-	-
3 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
4 ENDING BALANCE	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348
5													
6													
7 AVERAGE BALANCE	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348	\$20,910,348
8 DEPRECIATION RATE	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%	1.666667%
9 DEPRECIATION EXPENSE	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$348,506	\$4,182,070
10 LESS RETIREMENTS	-	-	-	-	-	-	-	-	-	-	-	-	-
11 BEGINNING BALANCE DEPRECIATION	\$10,913,710	\$11,262,216	\$11,610,722	\$11,959,228	\$12,307,734	\$12,656,239	\$13,004,745	\$13,353,251	\$13,701,757	\$14,050,263	\$14,398,768	\$14,747,274	\$10,913,710
12 ENDING BALANCE DEPRECIATION	\$11,262,216	\$11,610,722	\$11,959,228	\$12,307,734	\$12,656,239	\$13,004,745	\$13,353,251	\$13,701,757	\$14,050,263	\$14,398,768	\$14,747,274	\$15,095,780	\$15,095,780
13													
14													
15 ENDING NET INVESTMENT	\$9,648,132	\$9,299,626	\$8,951,120	\$8,602,615	\$8,254,109	\$7,905,603	\$7,557,097	\$7,208,591	\$6,860,086	\$6,511,580	\$6,163,074	\$5,814,568	\$5,814,568
16													
17													
18 AVERAGE INVESTMENT	\$9,822,385	\$9,473,879	\$9,125,373	\$8,776,867	\$8,428,362	\$8,079,856	\$7,731,350	\$7,382,844	\$7,034,338	\$6,685,833	\$6,337,327	\$5,988,821	\$5,988,821
19 ALLOWED EQUITY RETURN	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%
20 EQUITY COMPONENT AFTER-TAX	\$35,125	\$33,878	\$32,632	\$31,386	\$30,140	\$28,893	\$27,647	\$26,401	\$25,155	\$23,908	\$22,662	\$21,416	\$339,243
21 CONVERSION TO PRE-TAX	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220	1.63220
22 EQUITY COMPONENT PRE-TAX	\$57,331	\$55,296	\$53,262	\$51,228	\$49,195	\$47,159	\$45,125	\$43,092	\$41,058	\$39,023	\$36,989	\$34,955	\$553,713
23													
24 ALLOWED DEBT RETURN	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%
25 DEBT COMPONENT	\$14,700	\$14,179	\$13,657	\$13,136	\$12,614	\$12,092	\$11,571	\$11,049	\$10,528	\$10,006	\$9,485	\$8,963	\$141,980
26													
27 TOTAL RETURN REQUIREMENTS	\$72,031	\$69,475	\$66,919	\$64,364	\$61,809	\$59,251	\$56,696	\$54,141	\$51,586	\$49,029	\$46,474	\$43,918	\$695,693
28 PRIOR MONTH TRUE-UP													
29 TOTAL DEPRECIATION & RETURN	\$420,537	\$417,981	\$415,425	\$412,870	\$410,315	\$407,757	\$405,202	\$402,647	\$400,092	\$397,535	\$394,980	\$392,426	\$4,877,765
30													
31 ESTIMATED FUEL SAVINGS	\$172,646	\$167,237	\$752,510	\$369,412	\$460,850	\$643,236	\$775,888	\$416,697	\$520,110	\$730,802	\$339,766	\$364,317	\$5,713,468
32 TOTAL DEPRECIATION & RETURN	\$420,537	\$417,981	\$415,425	\$412,870	\$410,315	\$407,757	\$405,202	\$402,647	\$400,092	\$397,535	\$394,980	\$392,426	\$4,877,765
33 NET BENEFIT (COST) TO RATEPAYER	(\$247,891)	(\$250,744)	\$337,085	(\$43,458)	\$50,535	\$235,479	\$370,686	\$14,050	\$120,019	\$333,267	(\$55,214)	(\$28,109)	\$835,703

34 DEPRECIATION EXPENSE IS CALCULATED BASED UPON A FIVE YEAR PERIOD.

35 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JANUARY - JUNE USING AN ANNUAL RATE OF 8.7999% (EQUITY 7.0040% , DEBT 1.7959%). RATES ARE BASED ON THE MAY 2017 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).

36 RETURN ON AVERAGE INVESTMENT IS CALCULATED FOR JULY - DECEMBER USING AN ANNUAL RATE OF 8.7999% (EQUITY 7.0040% , DEBT 1.7959%). RATES ARE BASED ON THE MAY 2017 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).

37 RETURN REQUIREMENT IS CALCULATED BASED UPON A COMBINED STATUTORY RATE OF 38.575%

38 ZERO PROJECTED GENERATION RESULTS IN ZERO ESTIMATED FUEL SAVINGS FOR THAT MONTH.

**Tampa Electric Company
Calculation of Revenue Requirement Rate of Return
For Cost Recovery Clauses
January 2018 to December 2018**

	(1) Jurisdictional Rate Base Actual May 2017 Capital Structure (\$000)	(2) Ratio %	(3) Cost Rate %	(4) Weighted Cost Rate %
Long Term Debt	\$ 1,611,554	33.14%	5.12%	1.6968%
Short Term Debt	\$ 118,708	2.44%	1.55%	0.0378%
Preferred Stock	\$ -	0.00%	0.00%	0.0000%
Customer Deposits	\$ 101,181	2.08%	2.55%	0.0531%
Common Equity	\$ 2,031,177	41.77%	10.25%	4.2815%
Accum. Deferred Inc. Taxes & Zero Cost ITC's	\$ 988,845	20.34%	0.00%	0.0000%
Deferred ITC - Weighted Cost	<u>\$ 11,216</u>	<u>0.23%</u>	7.78%	<u>0.0179%</u>
Total	<u>\$ 4,862,681</u>	<u>100.00%</u>		<u>6.09%</u>

ITC split between Debt and Equity:

Long Term Debt	\$ 1,611,554	Long Term Debt	42.84%
Short Term Debt	118,708	Short Term Debt	3.16%
Equity - Preferred	0	Equity - Preferred	0.00%
Equity - Common	<u>2,031,177</u>	Equity - Common	<u>54.00%</u>
Total	<u>\$ 3,761,439</u>	Total	<u>100.00%</u>

Deferred ITC - Weighted Cost:

Debt = 0.0179% * 46.00%	0.0082%
Equity = 0.0179% * 54.00%	<u>0.0097%</u>
Weighted Cost	<u>0.0179%</u>

Total Equity Cost Rate:

Preferred Stock	0.0000%
Common Equity	4.2815%
Deferred ITC - Weighted Cost	<u>0.0097%</u>
	4.2912%
Times Tax Multiplier	1.632200
Total Equity Component	<u>7.0040%</u>

Total Debt Cost Rate:

Long Term Debt	1.6968%
Short Term Debt	0.0378%
Customer Deposits	0.0531%
Deferred ITC - Weighted Cost	<u>0.0082%</u>
Total Debt Component	<u>1.7959%</u>
	<u>8.7999%</u>

Notes:

Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012 and 2013 Base Rates Settlement Agreement Dated September 6, 2013.
Column (2) - Column (1) / Total Column (1)
Column (3) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012 and 2013 Base Rates Settlement Agreement Dated September 6, 2013.
Column (4) - Column (2) x Column (3)