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July 27, 2018

VIA: ELECTRONIC FILING

Ms. Carlotta S. Stauffer
Commission Clerk
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

Re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor; FPSC Docket No. 20180001-EI

Dear Ms. Stauffer:

Attached for filing in the above docket, on behalf of Tampa Electric Company, is the following:

1. Petition of Tampa Electric Company.

2. Prepared Direct Testimony and Exhibit (PAR-2) of Penelope A. Rusk regarding Fuel and Purchased Power Cost Recovery and Capacity Cost Recovery Actual/Estimated True-Up for the Period January 2018 through December 2018.

Thank you for your assistance in connection with this matter.

Sincerely,

James D. Beasley

JDB/pp
Attachment

cc: All Parties of Record (w/attachment)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Fuel and Purchased Power Cost Recovery Clause with Generating Performance Incentive Factor.	))))	DOCKET NO. 20180001-EI FILED: July 27, 2018

PETITION OF TAMPA ELECTRIC COMPANY

Tampa Electric Company ("Tampa Electric" or "company"), hereby petitions the Commission for approval of the company's actual/estimated fuel and purchased power cost recovery and capacity cost recovery true-up amounts for the period January 2018 through December 2018. In support thereof, Tampa Electric incorporates the prepared direct testimony and exhibit of Tampa Electric witness Penelope A. Rusk.

Fuel and Purchased Power Cost Recovery

1. Tampa Electric projects an actual/estimated true-up amount for the January 2018 through December 2018 period, which is based on actual data for the period January 1, 2018 through June 30, 2018 and revised estimates for the period July 1, 2018 through December 31, 2018, to be an under-recovery of $184,422. (See Exhibit No. PAR-2, Document No. 1, Schedule E-1B.)

Capacity Cost Recovery

2. Tampa Electric projects an actual/estimated true-up amount for the January 2018 through December 2018 period, which is based on actual data for the period January 1, 2018 through June 30, 2018 and revised estimates for the period July 1, 2018 through December 31, 2018, to be an under-recovery of $832,939. (See Exhibit No. PAR-2, Document No. 2, Page 1 of 5.)

3. Tampa Electric is not aware of any disputed issues of material fact regarding any of the matters stated or relief requested in this petition.

WHEREFORE, Tampa Electric Company requests that the Commission approve Tampa Electric's actual/estimated true-up amounts for fuel and purchased power cost recovery and capacity cost recovery for the period January 1, 2018 through December 31, 2018.

DATED this 27th day of July 2018.

Respectfully submitted,

JAMES D. BEASLEY
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Ausley McMullen
Post Office Box 391
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(850) 224-9115

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true copy of the foregoing Petition, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 27th day of July, 2018, to the following:

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ATTORNEY

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 20180001-EI
FUEL & PURCHASED POWER COST RECOVERY
AND
CAPACITY COST RECOVERY

ACTUAL/ESTIMATED TRUE-UP
JANUARY 2018 THROUGH DECEMBER 2018

TESTIMONY AND EXHIBIT
OF
PENELOPE A. RUSK

FILED: JULY 27, 2018

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

PENELOPE A. RUSK

Q. Please state your name, address, occupation and employer.

A. My name is Penelope A. Rusk. My business address is 702 N. Franklin Street, Tampa, Florida 33602. I am employed by Tampa Electric Company ("Tampa Electric" or "company") in the position of Manager, Rates in the Regulatory Affairs Department.

Q. Have you previously filed testimony in Docket No. 20180001-EI?

A. Yes, I submitted direct testimony on March 2, 2018.

Q. Have your job description, education, or professional experience changed since then?

A. No.

Q. What is the purpose of your direct testimony?

A. The purpose of my testimony is to present, for Commission review and approval, the calculation of the January 2018 through December 2018 fuel and purchased power and capacity actual/estimated true-up amounts to be recovered in the January 2019 through December 2019 projection period. My testimony addresses the recovery of the fuel and purchased power costs as well as capacity costs for the year 2018, based on six months of actual data and six months of estimated data. This information will be used in the determination of the 2019 fuel and purchased power costs and capacity cost recovery factors.

Q. Have you prepared any exhibits to support your direct testimony?

A. Yes, I have prepared Exhibit No. PAR-2, which consists of three documents. Document No. 1 includes schedules E1-B, E-2, E-3, E-4, E-5, E-6, E-7, E-8, and E-9, which provide the actual/estimated fuel and purchased power cost recovery true-up amount for the period January 2018 through December 2018. Document No. 2 provides the actual/estimated capacity cost recovery true-up amount for the period January 2018 through December 2018. Document No. 3 provides the actual/estimated capital costs during the period of January 2018 through December

2018 for projects authorized for recovery through the fuel clause. Document No. 3 also provides the capital structure components and cost rates relied upon to calculate the revenue requirement rate of return for the projects. These documents are furnished as support for the projected true-up amount for this period.

Fuel and Purchased Power Cost Recovery Factors

Q. What has Tampa Electric calculated as the estimated net true-up amount for the current period to be applied in the January 2019 through December 2019 fuel and purchased power cost recovery factors?

A. The estimated net true-up amount applicable for the period of January 2019 through December 2019 is an over-recovery of $7,015,485.

Q. How did Tampa Electric calculate the estimated net true-up to be applied in the January 2019 through December 2019 fuel and purchased power cost recovery factors?

A. The net true-up amount to be recovered in 2019 is the sum of the final true-up amount for the period January 2017 through December 2017 and the actual/estimated true-up amount for the period January 2018 through December 2018.

Q. What did Tampa Electric calculate as the final fuel and purchased power cost recovery true-up amount for 2017?

A. The final true-up is an over-recovery of $7,199,907. The actual fuel cost over-recovery, including interest, is $24,281,044 for the period January 2017 through December 2017. The $24,281,044 amount, less the actual/estimated over-recovery amount of $17,081,137 approved in Order No. PSC-2018-0028-FOF-EI, issued January 8, 2018 in Docket No. 20180001-EI results in a net over-recovery amount for the period of $7,199,907.

Q. What did Tampa Electric calculate as the actual/estimated fuel and purchased power cost recovery amount for the period January 2018 through December 2018?

A. The actual/estimated fuel and purchased power cost recovery true-up is an under-recovery amount of $184,422 for the January 2018 through December 2018 period. The detailed calculation supporting the actual/estimated current period true-up is shown in Exhibit No. PAR-2, Document No. 1 on Schedule E1-B.

Capacity Cost Recovery Clause

Q. What has Tampa Electric calculated as the estimated net

true-up amount to be applied in the January 2019 through December 2019 capacity cost recovery factors?

A. The estimated net true-up amount applicable for January 2019 through December 2019 is an under-recovery of $2,784,988 as shown in Exhibit No. PAR-2, Document No. 2, page 2 of 5.

Q. How did Tampa Electric calculate the estimated net true-up amount to be applied in the January 2019 through December 2019 capacity cost recovery factors?

A. The net true-up amount to be recovered in the 2019 capacity cost recovery factors is the sum of the final true-up amount for 2017 and the actual/estimated true-up amount for January 2018 and December 2018.

Q. What did Tampa Electric calculate as the final capacity cost recovery true-up amount for 2017?

A. The final 2017 true-up is an under-recovery of $1,952,049. The actual capacity cost under-recovery, including interest, was $4,714,987 for the period January 2017 through December 2017. This amount, less the $2,762,938 actual/estimated under-recovery amount approved in Order

No. PSC-2018-0028-FOF-EI, issued January 8, 2018 in Docket No. 20180001-EI results in a net under-recovery amount for the period of $1,952,049 as identified in Exhibit No. PAR-2, Document No. 2, page 1 of 5.

Q. What did Tampa Electric calculate as the actual/estimated capacity cost recovery true-up amount for the period January 2018 through December 2018?

A. The actual/estimated true-up amount is an under-recovery of $832,939 as shown on Exhibit No. PAR-2, Document No. 2, page 1 of 5.

Capital Projects Approved for Fuel Clause Recovery

Q. Please describe the capital project costs that have been authorized for recovery through the fuel clause.

A. Document No. 3 of Exhibit No. PAR-2 provides the capital cost and fuel savings for the Polk Unit 1 and Big Bend Units 1 through 4 ignition conversion projects for the period January 2018 through December 2018. This document also contains the capital structure components and cost rates relied upon to calculate the revenue requirement rate of return on capital projects recovered through the fuel clause.

The Polk Unit 1 ignition conversion project capital costs, including depreciation and return, for the period January 2018 through December 2018 are less than the project's fuel savings. This is shown on Exhibit No. PAR-2, Document No. 3, page 1, line 33. Therefore, the Polk Unit 1 ignition conversion project capital costs should be recovered through the fuel clause in accordance with FPSC Order No. PSC-2012-0498-PAA-EI, issued in Docket No. 20120153-EI on September 27, 2012. The Polk Unit 1 ignition conversion project cost recovery is complete as of June 2018.

The Big Bend Units 1 through 4 ignition conversion project capital costs, including depreciation and return, for the period January 2018 through December 2018 are less than the project's fuel savings, as shown on Exhibit No. PAR-2, Document No. 3, Page 2, line 33. Therefore, the Big Bend Units 1-4 ignition conversion project capital costs should be recovered through the fuel clause in accordance with FPSC Order No. PSC-2014-0309-PAA-EI, issued in Docket No. 20140032-EI on June 12, 2014.

Q. Does your calculation of the revenue requirement associated with capital projects authorized for recovery through the fuel clause consider the effects of tax reform implemented

by the Tax Cuts and Jobs Act of 2017 ("TCJA")?

A. Yes, the company updated the tax multiplier utilized in the determination of the equity component of the revenue requirement rate of return to reflect the lower federal tax rate of 21 percent.

Q. Did the company apply the lower tax rate in the calculation of revenue requirements for its capital projects for the period January 2018 through December 2018?

A. Yes. Tampa Electric calculated the new tax multiplier and revised rate of return in early 2018 and began applying the rate to the monthly net investment balances in May 2018. The company calculated an adjustment to reflect revenue requirements with the lower tax rate for the months of January 2018 through April 2018 and booked the adjustment, including interest, in May 2018.

Q. Will the company account for the flow-back of excess accumulated deferred income taxes associated with capital projects in this docket or as part of Docket No. 20180045-EI, which addresses the overall impact of the Tax Cuts and Jobs Act of 2017 on the company?

A. The flow-back of excess accumulated deferred income taxes associated with projects recovered through the fuel cost recovery clause is being addressed in Docket No. 20180045-EI and does not need to be considered in this docket.

Q. Does this conclude your direct testimony?

A. Yes, it does.

EXHIBIT TO THE TESTIMONY OF

PENELOPE A. RUSK

DOCUMENT NO. 1

FUEL AND PURCHASED POWER COST RECOVERY

ACTUAL / ESTIMATED

JANUARY 2018 THROUGH DECEMBER 2018

TAMPA ELECTRIC COMPANY

TABLE OF CONTENTS

TAMPA ELECTRIC COMPANY
CALCULATION OF ESTIMATED TRUE-UP
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018

SCHEDULE E1-B

		ACTUAL						ESTIMATED						
		Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	TOTAL
A. 1.	Fuel Cost of System Net Generation	58,582,071	44,414,318	37,721,624	46,551,988	51,245,556	57,977,964	50,135,381	49,998,557	47,525,010	43,223,801	37,273,108	43,595,664	568,245,042
2.	Fuel Cost of Power Sold (1)	2,813,229	66,930	906,142	1,567,490	969,115	939,863	49,881	56,268	48,241	55,007	35,666	49,743	7,557,575
3.	Fuel Cost of Purchased Power	619,903	674,844	282,840	761,900	412,815	371,543	57,180	94,270	99,470	260,970	113,000	107,100	3,855,835
3a.	Demand and Non-Fuel Cost of Purchased Pwr	0	0	0	0	0	0	0	0	0	0	0	0	0
3b.	Payments to Qualifying Facilities	570,769	297,450	280,931	288,273	477,291	316,956	221,320	259,320	184,870	241,610	218,410	191,810	3,549,010
4.	Energy Cost of Economy Purchases	1,337,323	2,041,321	3,798,865	1,301,372	3,094,221	4,043,930	7,330,530	7,300,470	6,683,060	7,555,320	3,030,910	1,446,430	48,963,752
5.	Adj. Big Bend Units 1-4 Igniters Conversion Project	420,537	417,981	415,425	412,870	401,597	399,400	396,950	394,766	392,582	390,399	388,216	386,031	4,816,754
5a.	Adj. Polk 1 conversion depreciation & ROI	280,083	278,109	276,136	274,161	271,768	270,072	0	0	0	0	0	0	1,650,329
5b.	Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0
6.	**TOTAL FUEL & NET POWER TRANS.**	**58,997,457**	**48,057,093**	**41,869,679**	**48,023,074**	**54,934,133**	**62,440,002**	**58,091,480**	**57,991,115**	**54,836,751**	**51,617,093**	**40,987,978**	**45,677,292**	**623,523,147**
(1)	Includes Gains													
B. 1.	Jurisdictional MWH Sales	1,549,779	1,404,253	1,392,398	1,407,519	1,486,512	1,719,527	1,898,539	1,889,186	2,013,588	1,774,649	1,485,702	1,429,753	19,451,405
2.	Non-Jurisdictional MWH Sales	0	0	0	0	0	0	0	1,488	0	0	0	0	1,488
3.	**TOTAL SALES (LINE B1+B2)**	**1,549,779**	**1,404,253**	**1,392,398**	**1,407,519**	**1,486,512**	**1,719,527**	**1,898,539**	**1,890,674**	**2,013,588**	**1,774,649**	**1,485,702**	**1,429,753**	**19,452,893**
4.	**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**	**-**
C. 1.	Jurisdictional Fuel Recovery Revenue (Net of Revenue Taxes)	48,227,303	43,241,932	42,709,900	43,226,153	45,883,087	53,849,298	60,214,408	59,878,934	63,887,750	55,589,771	45,771,379	43,935,914	606,415,829
1a.	Adjustment to Fuel Revenue	0	0	0	0	0	0	0	0	0	0	0	0	0
2.	True-up Provision	1,423,428	1,423,428	1,423,428	1,423,428	1,423,428	1,423,428	1,423,428	1,423,428	1,423,428	1,423,428	1,423,428	1,423,429	17,081,137
2a.	Incentive Provision	(3,949)	(3,949)	(3,949)	(3,949)	(3,949)	(3,949)	(3,949)	(3,949)	(3,949)	(3,949)	(3,949)	(3,953)	(47,392)
3.	**FUEL REVENUE APPLICABLE TO PERIOD**	**49,646,782**	**44,661,411**	**44,129,379**	**44,645,632**	**47,302,566**	**55,268,777**	**61,633,887**	**61,298,413**	**65,307,229**	**57,009,250**	**47,190,858**	**45,355,390**	**623,449,574**
4.	Total Fuel and Net Power Transactions (Line A6)	58,997,457	48,057,093	41,869,679	48,023,074	54,934,133	62,440,002	58,091,480	57,991,115	54,836,751	51,617,093	40,987,978	45,677,292	623,523,147
5.	Jurisd. Total Fuel and Net Power Transactions (Line A6*Line B4)	58,997,457	48,057,092	41,869,679	48,023,074	54,934,133	62,440,002	58,091,480	57,991,115	54,836,751	51,617,093	40,987,978	45,677,292	623,523,146
5a.	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	-
5b.	Jurisdictional Sales Adjusted for Line Losses	58,997,457	48,057,092	41,869,679	48,023,074	54,934,133	62,440,002	58,091,480	57,991,115	54,836,751	51,617,093	40,987,978	45,677,292	623,523,146
5c.	Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0
6.	**JURISD. TOTAL FUEL AND NET POWER TRANSACTIONS**	**58,997,457**	**48,057,092**	**41,869,679**	**48,023,074**	**54,934,133**	**62,440,002**	**58,091,480**	**57,991,115**	**54,836,751**	**51,617,093**	**40,987,978**	**45,677,292**	**623,523,146**
7.	Over/(Under) Recovery	(9,350,675)	(3,395,681)	2,259,700	(3,377,442)	(7,631,567)	(7,171,225)	3,542,407	3,307,298	10,470,478	5,392,157	6,202,880	(321,902)	(73,572)
7a.	Adjustment	(190,412)	2,670	0	0	43,064	0	0	0	0	0	0	0	(144,678)
8.	Interest Provision	23,874	13,991	12,986	10,830	108	(13,939)	(20,817)	(18,269)	(8,800)	4,005	12,936	16,923	33,828
9.	**TOTAL ESTIMATED TRUE-UP FOR THE PERIOD**													**(184,422)**

TAMPA ELECTRIC COMPANY **SCHEDULE E2**
FUEL AND PURCHASED POWER COST RECOVERY CLAUSE CALCULATION
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018

		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	
		Actual						Estimated						TOTAL
		Jan-18	Feb-18	Mar-18	Apr-18	May-18	Jun-18	Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	PERIOD
1.	Fuel Cost of System Net Generation	58,582,071	44,414,318	37,721,624	46,551,988	51,245,556	57,977,964	50,135,381	49,998,557	47,525,010	43,223,801	37,273,108	43,595,664	568,245,042
2.	Nuclear Fuel Disposal	0	0	0	0	0	0	0	0	0	0	0	0	0
3.	Fuel Cost of Power Sold [1]	2,813,229	66,930	906,142	1,567,490	969,115	939,863	49,881	56,268	48,241	55,007	35,666	49,743	7,557,575
4.	Fuel Cost of Purchased Power	619,903	674,843	282,840	761,900	412,815	371,543	57,180	94,270	99,470	260,970	113,000	107,100	3,855,834
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	570,769	297,450	280,931	288,273	477,291	316,956	221,320	259,320	184,870	241,610	218,410	191,810	3,549,010
7.	Energy Cost of Economy Purchases	1,337,323	2,041,321	3,798,865	1,301,372	3,094,221	4,043,930	7,330,530	7,300,470	6,683,060	7,555,320	3,030,910	1,446,430	48,963,752
8.	Adj. Big Bend Units 1-4 Igniters Conversion Project	420,537	417,981	415,425	412,870	401,597	399,400	396,950	394,766	392,582	390,399	388,216	386,031	4,816,754
9.	Adj. Polk 1 conversion depreciation & ROI	280,083	278,109	276,136	274,161	271,768	270,072	0	0	0	0	0	0	1,650,329
10.	Adjustment	0	0	0	0	0	0	0	0	0	0	0	0	0
11.	**TOTAL FUEL & NET POWER TRANSACTIONS**	**58,997,457**	**48,057,092**	**41,869,679**	**48,023,074**	**54,934,133**	**62,440,002**	**58,091,480**	**57,991,115**	**54,836,751**	**51,617,093**	**40,987,978**	**45,677,292**	**623,523,146**
12.	Jurisdictional MWH Sold	1,549,779	1,404,253	1,392,398	1,407,519	1,486,512	1,719,527	1,898,539	1,889,186	2,013,588	1,774,649	1,485,702	1,429,753	19,451,405
13.	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	-
14.	Jurisdictional Total Fuel & Net Power Transactions (Line 11 * Line 13)	58,997,457	48,057,092	41,869,679	48,023,074	54,934,133	62,440,002	58,091,480	57,991,115	54,836,751	51,617,093	40,987,978	45,677,292	623,523,146
15.	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	-
16.	Jurisdictional Sales Adjusted for Line Losses (Line 14 * Line 15)	58,997,457	48,057,092	41,869,679	48,023,074	54,934,133	62,440,002	58,091,480	57,991,115	54,836,751	51,617,093	40,987,978	45,677,292	623,523,146
17.	Adjustments	0	0	0	0	0	0	0	0	0	0	0	0	0
18.	**JURISD. TOTAL FUEL & NET PWR. TRANS. (LINE 16+17)**	**58,997,457**	**48,057,092**	**41,869,679**	**48,023,074**	**54,934,133**	**62,440,002**	**58,091,480**	**57,991,115**	**54,836,751**	**51,617,093**	**40,987,978**	**45,677,292**	**623,523,146**
19.	Cost Per kWh Sold (Cents/kWh)	3.8068	3.4223	3.0070	3.4119	3.6955	3.6312	3.0598	3.0696	2.7233	2.9086	2.7588	3.1948	3.2055
20.	Adjustment	0.0123	0.0000	0.0000	0.0000	(0.0029)	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008
21.	True-up (Cents/kWh) [2]	(0.0918)	(0.1014)	(0.1022)	(0.1011)	(0.0958)	(0.0828)	(0.0750)	(0.0753)	(0.0707)	(0.0802)	(0.0958)	(0.0996)	(0.0893)
22.	Total (Cents/kWh) (Line 19+20)	3.7273	3.3209	2.9048	3.3108	3.5968	3.5484	2.9848	2.9943	2.6526	2.8284	2.6630	3.0952	3.1170
23.	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
24.	Recovery Factor Adjusted for Taxes (Cents/kWh) (Excluding GPIF)	3.7300	3.3232	2.9069	3.3132	3.5994	3.5510	2.9870	2.9965	2.6546	2.8304	2.6650	3.0974	3.1193
25.	GPIF Adjusted for Taxes (Cents/kWh) [2]	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0003	0.0003	0.0003
26.	**TOTAL RECOVERY FACTOR (LINE 23+24)**	**3.7303**	**3.3235**	**2.9072**	**3.3135**	**3.5997**	**3.5512**	**2.9872**	**2.9967**	**2.6548**	**2.8306**	**2.6653**	**3.0977**	**3.1195**
27.	**RECOVERY FACTOR ROUNDED TO NEAREST 0.001 CENTS/KWH**	**3.730**	**3.324**	**2.907**	**3.313**	**3.600**	**3.551**	**2.987**	**2.997**	**2.655**	**2.831**	**2.665**	**3.098**	**3.120**

[1] Includes Gains
[2] Based on Jurisdictional Sales Only

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

SCHEDULE E3

	ACTUAL					
	Jan-18	**Feb-18**	**Mar-18**	**Apr-18**	**May-18**	**Jun-18**
FUEL COST OF SYSTEM NET GENERATION ($)						
1. HEAVY OIL	0	0	0	0	0	0
2. LIGHT OIL	0	0	0	0	0	0
3. COAL	17,890,470	8,233,375	5,451,681	15,248,389	16,197,897	14,452,331
4. NATURAL GAS	40,691,601	36,180,943	32,269,943	31,303,599	35,047,659	43,525,633
5. NUCLEAR	0	0	0	0	0	0
6. OTHER	0	0	0	0	0	0
7. TOTAL ($)	**58,582,071**	**44,414,318**	**37,721,624**	**46,551,988**	**51,245,556**	**57,977,964**
SYSTEM NET GENERATION (MWH)						
8. HEAVY OIL	0	0	0	0	0	0
9. LIGHT OIL	0	0	0	0	0	81
10. COAL	512,517	216,885	129,335	424,976	455,289	377,752
11. NATURAL GAS	1,150,427	1,101,322	1,200,062	1,119,295	1,194,310	1,480,548
12. NUCLEAR	0	0	0	0	0	0
13. OTHER	2,629	3,254	4,585	4,976	3,753	4,619
14. TOTAL (MWH)	**1,665,573**	**1,321,461**	**1,333,982**	**1,549,247**	**1,653,352**	**1,863,000**
UNITS OF FUEL BURNED						
15. HEAVY OIL (BBL)	0	0	0	0	0	0
16. LIGHT OIL (BBL)	0	0	0	0	0	0
17. COAL (TON)	233,862	86,451	63,181	191,953	215,721	183,229
18. NATURAL GAS (MCF)	8,631,381	8,357,157	8,933,334	8,155,031	8,718,533	11,203,239
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	0	0	0	0	0	1,349
23. COAL	5,668,621	2,287,646	1,564,370	4,577,088	4,996,467	4,306,511
24. NATURAL GAS	8,829,903	8,549,465	9,138,801	8,326,287	8,901,622	11,427,304
25. NUCLEAR	0	0	0	0	0	0
26. OTHER	0	0	0	0	0	0
27. TOTAL (MMBTU)	**14,498,524**	**10,837,111**	**10,703,171**	**12,903,375**	**13,898,089**	**15,735,164**
GENERATION MIX (% MWH)						
28. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00
29. LIGHT OIL	0.00	0.00	0.00	0.00	0.00	0.00
30. COAL	30.77	16.41	9.70	27.43	27.53	20.28
31. NATURAL GAS	69.07	83.34	89.96	72.25	72.24	79.47
32. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00
33. OTHER	0.16	0.25	0.34	0.32	0.23	0.25
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)	0.00	0.00	0.00	0.00	0.00	0.00
37. COAL ($/TON)	76.50	95.24	86.29	79.44	75.09	78.88
38. NATURAL GAS ($/MCF)	4.71	4.33	3.61	3.84	4.02	3.89
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	0.00	0.00	0.00	0.00	0.00	0.00
43. COAL	3.16	3.60	3.48	3.33	3.24	3.36
44. NATURAL GAS	4.61	4.23	3.53	3.76	3.94	3.81
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)	**4.04**	**4.10**	**3.52**	**3.61**	**3.69**	**3.68**
BTU BURNED PER KWH (BTU/KWH)						
48. HEAVY OIL	0	0	0	0	0	0
49. LIGHT OIL	0	0	0	0	0	16,654
50. COAL	11,060	10,548	12,095	10,770	10,974	11,400
51. NATURAL GAS	7,675	7,763	7,615	7,439	7,453	7,718
52. NUCLEAR	0	0	0	0	0	0
53. OTHER	0	0	0	0	0	0
54. TOTAL (BTU/KWH)	**8,705**	**8,201**	**8,023**	**8,329**	**8,406**	**8,446**
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	0.00	0.00	0.00	0.00	0.00	0.00
57. COAL	3.49	3.80	4.22	3.59	3.56	3.83
58. NATURAL GAS	3.54	3.29	2.69	2.80	2.93	2.94
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)	**3.52**	**3.36**	**2.83**	**3.00**	**3.10**	**3.11**

TAMPA ELECTRIC COMPANY **SCHEDULE E3**
GENERATING SYSTEM COMPARATIVE DATA BY FUEL TYPE
ESTIMATED FOR THE PERIOD: JULY 2018 THROUGH DECEMBER 2018

	Estimated						
	Jul-18	**Aug-18**	**Sep-18**	**Oct-18**	**Nov-18**	**Dec-18**	**TOTAL**
FUEL COST OF SYSTEM NET GENERATION ($)							
1. HEAVY OIL	0	0	0	0	0	0	0
2. LIGHT OIL	0	0	0	0	0	0	0
3. COAL	4,754,708	4,778,220	4,388,787	6,239,250	3,946,378	7,213,432	108,794,918
4. NATURAL GAS	45,380,673	45,220,337	43,136,223	36,984,551	33,326,730	36,382,232	459,450,124
5. NUCLEAR	0	0	0	0	0	0	0
6. OTHER	0	0	0	0	0	0	0
7. TOTAL ($)	**50,135,381**	**49,998,557**	**47,525,010**	**43,223,801**	**37,273,108**	**43,595,664**	**568,245,042**
SYSTEM NET GENERATION (MWH)							
8. HEAVY OIL	0	0	0	0	0	0	0
9. LIGHT OIL	0	0	0	0	0	0	81
10. COAL	123,450	125,780	114,680	180,340	109,960	210,020	2,980,984
11. NATURAL GAS	1,648,600	1,668,970	1,597,990	1,256,240	1,165,370	1,235,530	15,818,664
12. NUCLEAR	0	0	0	0	0	0	0
13. OTHER	4,420	4,260	28,460	29,420	25,270	22,210	137,856
14. TOTAL (MWH)	**1,776,470**	**1,799,010**	**1,741,130**	**1,466,000**	**1,300,600**	**1,467,760**	**18,937,585**
UNITS OF FUEL BURNED							
15. HEAVY OIL (BBL)	0	0	0	0	0	0	0
16. LIGHT OIL (BBL)	0	0	0	0	0	0	0
17. COAL (TON)	66,070	67,000	62,130	87,850	54,200	98,280	1,409,927
18. NATURAL GAS (MCF)	11,866,930	11,800,180	11,260,760	9,216,320	8,285,470	8,744,990	115,173,325
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	0	0	0	0	0	0	1,349
23. COAL	1,486,510	1,507,520	1,398,020	1,976,550	1,219,560	2,211,370	33,200,233
24. NATURAL GAS	12,168,740	12,110,840	11,550,740	9,424,150	8,495,140	8,980,390	117,903,382
25. NUCLEAR	0	0	0	0	0	0	0
26. OTHER	0	0	0	0	0	0	0
27. TOTAL (MMBTU)	**13,655,250**	**13,618,360**	**12,948,760**	**11,400,700**	**9,714,700**	**11,191,760**	**151,104,964**
GENERATION MIX (% MWH)							
28. HEAVY OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29. LIGHT OIL	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30. COAL	6.95	6.99	6.59	12.30	8.46	14.31	15.74
31. NATURAL GAS	92.80	92.77	91.78	85.69	89.60	84.18	83.53
32. NUCLEAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00
33. OTHER	0.25	0.24	1.63	2.01	1.94	1.51	0.73
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)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
37. COAL ($/TON)	71.96	71.32	70.64	71.02	72.81	73.40	77.16
38. NATURAL GAS ($/MCF)	3.82	3.83	3.83	4.01	4.02	4.16	3.99
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
43. COAL	3.20	3.17	3.14	3.16	3.24	3.26	3.28
44. NATURAL GAS	3.73	3.73	3.73	3.92	3.92	4.05	3.90
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)	**3.67**	**3.67**	**3.67**	**3.79**	**3.84**	**3.90**	**3.76**
BTU BURNED PER KWH (BTU/KWH)							
48. HEAVY OIL	0	0	0	0	0	0	0
49. LIGHT OIL	0	0	0	0	0	0	16,654
50. COAL	12,041	11,985	12,191	10,960	11,091	10,529	11,137
51. NATURAL GAS	7,381	7,256	7,228	7,502	7,290	7,268	7,453
52. NUCLEAR	0	0	0	0	0	0	0
53. OTHER	0	0	0	0	0	0	0
54. TOTAL (BTU/KWH)	**7,687**	**7,570**	**7,437**	**7,777**	**7,469**	**7,625**	**7,979**
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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
57. COAL	3.85	3.80	3.83	3.46	3.59	3.43	3.65
58. NATURAL GAS	2.75	2.71	2.70	2.94	2.86	2.94	2.90
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)	**2.82**	**2.78**	**2.73**	**2.95**	**2.87**	**2.97**	**3.00**

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: JANUARY 2018

SCHEDULE A4
PAGE 1 OF 2
REVISED 4/16/18

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
TIA SOLAR	1.6	212	17.8	-	43.4	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	2,271	15.8	-	38.2	-	SOLAR	-	-	-	-	-	-
LEGOLAND	1.5	146	13.1	-	30.4	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	**22.5**	**2,629**	**15.7**	-	**38.0**	-	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
B.B.#1 (GAS)	185	17,206	12.5	67.7	67.4	-	GAS	178,844	1,023,000	182,957.0	843,017	4.90	4.71
B.B.#1 (COAL)	395	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #1 TOTAL	**395**	**17,206**	**5.9**	**48.9**	**31.7**	**11,864**	**-**	**-**	**-**	**182,957.0**	**843,017**	**4.90**	**-**
B.B.#2 (GAS)	185	62,029	45.1	91.9	66.5	-	GAS	642,345	1,023,000	657,119.0	3,027,828	4.88	4.71
B.B.#2 (COAL)	395	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL	**395**	**62,029**	**21.1**	**63.7**	**31.2**	**11,806**	**-**	**-**	**-**	**657,119.0**	**3,027,828**	**4.88**	**-**
B.B.#3 (GAS)	185	6,299	4.6	66.1	54.9	-	GAS	61,595	1,023,000	63,012.0	290,343	4.61	4.71
B.B.#3 (COAL)	400	157,555	52.9	57.3	91.6	-	COAL	74,653	23,265,868	1,749,245.2	5,595,504	3.55	74.95
BIG BEND #3 TOTAL	**400**	**163,854**	**55.1**	**57.3**	**83.2**	**10,978**	**-**	**-**	**-**	**1,812,257.2**	**5,885,847**	**3.59**	**-**
B.B.#4 (GAS)	175	4,518	3.5	99.8	46.1	-	GAS	149,084	1,023,000	152,513.0	702,739	15.55	4.71
B.B.#4 (COAL)	442	249,725	75.9	78.7	82.1	-	COAL	114,876	23,273,538	2,673,735.9	8,610,358	3.45	74.95
BIG BEND #4 TOTAL	**442**	**254,243**	**77.3**	**78.7**	**77.3**	**10,674**	**-**	**-**	**-**	**2,826,248.9**	**9,313,097**	**3.66**	**-**
B.B. IGNITION	-	-	-	-	-	-	GAS	17,323	1,023,000	17,721.0	81,654	-	4.71
BIG BEND 1-4 COAL TOTAL	**1,632**	**407,280**	**33.5**	**35.4**	**52.3**	**10,787**	**COAL**	**189,529**	**23,270,520**	**4,422,981.1**	**14,205,862**	**3.49**	**74.95**
B.B. CT#4 (OIL)	0	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	61	597	1.3	100.0	81.9	12,647	GAS	7,380	1,023,000	7,550.0	34,788	5.83	4.71
BIG BEND CT #4 TOTAL	**61**	**597**	**1.3**	**100.0**	**81.9**	**12,647**	**-**	**-**	**-**	**7,550.0**	**34,788**	**5.83**	**-**
BIG BEND STATION TOTAL	**1,693**	**497,929**	**39.5**	**64.0**	**63.9**	**10,959**	**-**	**-**	**-**	**5,486,132.1**	**19,186,231**	**3.85**	**-**
POLK #1 GASIFIER [3]	220	105,237	64.3	69.1	92.4	11,128	COAL	44,333	28,102,936	1,245,639.8	3,602,954	3.42	81.27
POLK #1 CT (GAS)	205	20,880	13.7	76.3	18.4	7,714	GAS	157,454	1,023,000	161,075.0	742,190	3.55	4.71
POLK #1 TOTAL	**220**	**126,117**	**77.1**	**75.1**	**101.0**	**10,563**	**-**	**-**	**-**	**1,406,714.8**	**4,345,144**	**3.45**	**-**
POLK #2 ST DUCT FIRING	120	14,231	15.9	-	91.1	8,573	GAS	119,260	1,023,000	122,003.0	562,157	3.95	4.71
POLK #2 ST W/O DUCT FIRING	360	204,063	76.2	-	-	-		-	-	-	-	-	-
POLK #2 ST TOTAL	**480**	**218,294**	**61.1**	**84.9**	**62.2**	**-**	**GAS**	**-**	**-**	**122,003.0**	**562,157**	**0.26**	**-**
POLK #2 CT (GAS)	180	93,959	70.2	90.9	83.3	11,116	GAS	1,021,001	1,023,000	1,044,484.0	4,812,703	5.12	4.71
POLK #2 CT (OIL)	187	0	0.0	90.9	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	**180**	**93,959**	**70.2**	**90.9**	**83.3**	**11,116**	**-**	**-**	**-**	**1,044,484.0**	**4,812,703**	**5.12**	**-**
POLK #3 CT (GAS)	180	82,481	61.6	79.4	83.7	10,819	GAS	872,266	1,023,000	892,328.0	4,111,608	4.98	4.71
POLK #3 CT (OIL)	187	0	0.00	79.4	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	**180**	**82,481**	**61.6**	**79.4**	**83.7**	**10,819**	**-**	**-**	**-**	**892,328.0**	**4,111,608**	**4.98**	**-**
POLK #4 (GAS)	**180**	**97,652**	**72.9**	**96.5**	**86.1**	**10,774**	GAS	**1,028,401**	**1,023,000**	**1,052,054.0**	**4,847,583**	**4.96**	**4.71**
POLK #5 (GAS)	**180**	**94,079**	**70.3**	**99.9**	**83.5**	**10,850**	GAS	**997,770**	**1,023,000**	**1,020,719.0**	**4,703,200**	**5.00**	**4.71**
POLK #2 CC TOTAL	**1,200**	**586,465**	**65.7**	**89.0**	**65.8**	**7,045**	GAS	**-**	**-**	**4,131,588.0**	**19,037,251**	**3.25**	**-**
POLK STATION TOTAL	**1,420**	**712,582**	**67.4**	**86.8**	**70.1**	**7,668**	**-**	**-**	**-**	**5,538,302.8**	**23,382,395**	**3.28**	**-**

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: JANUARY 2018

SCHEDULE A4
PAGE 2 OF 2
REVISED 4/16/18

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
BAYSIDE ST 1	243	77,368	42.8	94.4	47.5	-		-	-	-	-	-	-
BAYSIDE CT1A	183	44,339	32.6	94.8	67.3	11,702	GAS	507,203	1,023,000	518,869.0	2,391,671	5.39	4.72
BAYSIDE CT1B	183	56,860	41.8	96.0	67.6	11,669	GAS	648,571	1,023,000	663,488.0	3,058,279	5.38	4.72
BAYSIDE CT1C	183	39,276	28.8	92.5	67.1	11,476	GAS	440,605	1,023,000	450,739.0	2,077,634	5.29	4.72
BAYSIDE UNIT 1 TOTAL	**792**	**217,843**	**37.0**	**94.4**	**41.0**	**7,497**	**GAS**	**1,596,379**	**1,023,000**	**1,633,096.0**	**7,527,584**	**3.46**	**4.72**
BAYSIDE ST 2	315	79,045	33.7	84.0	36.6	-		-	-	-	-	-	-
BAYSIDE CT2A	183	27,668	20.3	87.5	66.9	11,619	GAS	314,253	1,023,000	321,481.0	1,481,832	5.36	4.72
BAYSIDE CT2B	183	53,654	39.4	97.8	66.7	11,904	GAS	624,345	1,023,000	638,705.0	2,944,043	5.49	4.72
BAYSIDE CT2C	183	36,602	26.9	87.0	65.6	11,898	GAS	425,696	1,023,000	435,487.0	2,007,331	5.48	4.72
BAYSIDE CT2D	183	35,619	26.2	85.6	65.4	11,867	GAS	413,186	1,023,000	422,689.0	1,948,341	5.47	4.72
BAYSIDE UNIT 2 TOTAL	**1,047**	**232,588**	**29.9**	**87.8**	**31.9**	**7,818**	**GAS**	**1,777,480**	**1,023,000**	**1,818,362.0**	**8,381,547**	**3.60**	**4.72**
BAYSIDE UNIT 3 TOTAL	**61**	**814**	**1.8**	**99.6**	**89.8**	**11,240**	**GAS**	**8,943**	**1,023,000**	**9,149.0**	**42,171**	**5.18**	**4.72**
BAYSIDE UNIT 4 TOTAL	**61**	**718**	**1.6**	**99.6**	**91.8**	**10,989**	**GAS**	**7,713**	**1,023,000**	**7,890.0**	**36,368**	**5.07**	**4.72**
BAYSIDE UNIT 5 TOTAL	**61**	**376**	**0.8**	**99.6**	**88.3**	**11,777**	**GAS**	**4,328**	**1,023,000**	**4,428.0**	**20,410**	**5.43**	**4.72**
BAYSIDE UNIT 6 TOTAL	**61**	**94**	**0.2**	**47.2**	**43.6**	**12,383**	**GAS**	**1,138**	**1,023,000**	**1,164.0**	**5,365**	**5.71**	**4.71**
BAYSIDE STATION TOTAL	**2,083**	**452,433**	**29.2**	**90.2**	**35.9**	**7,679**	**GAS**	**3,395,981**	**1,023,000**	**3,474,089.0**	**16,013,445**	**3.54**	**4.72**
B.B. IGNITION							**LGT.OIL**				**0**		
SYSTEM	**5,218**	**1,665,573**	**42.9**	**80.7**	**54.3**	**8,642**	**-**	**-**	**-**	**14,498,523.9**	**58,582,071**	**3.52**	**-**

LEGEND:

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

Footnotes:

[1] As burned fuel cost system total includes ignition.
[2] Fuel burned (MM BTU) system total excludes ignition.
[3] Includes December 2017 adjustment to Polk Coal of 2,660.19 tons burned, $203,623.96, and 74,514.9 mmbtu's.

SCHEDULE A4
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SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: February 2018

(A) PLANT/UNIT		(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) (2)	(L) AS BURNED FUEL COST ($) (1)	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
TIA SOLAR		1.6	235	21.9	-	48.6	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR		19.4	2,845	21.9	-	48.5	-	SOLAR	-	-	-	-	-	-
LEGOLAND		1.5	174	17.3	-	38.4	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL		**22.5**	**3,254**	**21.6**	-	**47.8**	-	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
B.B.#1 (GAS)	(4)	185	93,408	75.1	82.7	116.3	-	GAS	988,185	1,023,000	1,010,913.0	4,253,565	4.55	4.30
B.B.#1 (COAL)		395	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #1 TOTAL		**395**	**93,408**	**35.2**	**64.0**	**54.5**	**10,831**	**-**	**-**	**-**	**1,010,913.0**	**4,253,565**	**4.55**	**-**
B.B.#2 (GAS)	(4)	185	94,369	75.9	87.2	92.9	-	GAS	983,523	1,023,000	1,006,144.0	4,227,828	4.48	4.30
B.B.#2 (COAL)		395	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL		**395**	**94,369**	**35.6**	**66.6**	**43.5**	**10,670**	**-**	**-**	**-**	**1,006,144.0**	**4,227,828**	**4.48**	**-**
B.B.#3 (GAS)	(4)	185	12,297	9.9	61.6	17.0	-	GAS	140,518	1,023,000	143,750.0	603,376	4.91	4.29
B.B.#3 (COAL)		400	73,548	27.4	35.3	0.0	-	COAL	35,276	23,918,789	843,760.0	3,780,461	5.14	107.17
BIG BEND #3 TOTAL		**400**	**85,845**	**31.9**	**35.3**	**55.0**	**11,504**	**-**	**-**	**-**	**987,510.0**	**4,383,837**	**5.11**	**-**
B.B.#4 (GAS)	(4)	175	6,393	5.4	30.5	52.9	-	GAS	62,501	1,023,000	63,939.0	269,967	4.22	4.32
B.B.#4 (COAL)		442	7,077	2.4	13.1	0.0	-	COAL	0	23,722,000	0.0	0	0.00	0.00
BIG BEND #4 TOTAL		**442**	**13,470**	**4.5**	**13.1**	**44.2**	**9,626**	**-**	**-**	**-**	**63,939.0**	**269,967**	**2.00**	**-**
B.B. IGNITION	(3)	-	-	-	-	-	-	GAS	36,700	1,023,000	37,544.0	158,082	-	4.31
BIG BEND 1-4 COAL TOTAL		**1,632**	**80,625**	**7.4**	**12.2**	**14.0**	**11,300**	**COAL**	**35,276**	**23,904,130**	**843,760.0**	**3,780,461**	**4.69**	**107.17**
B.B. CT#4 (OIL)		0	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	(4)	61	2,663	6.5	99.5	68.1	10,534	GAS	27,421	1,023,000	28,052.0	118,312	4.44	4.31
BIG BEND CT #4 TOTAL		**61**	**2,663**	**6.5**	**99.5**	**68.1**	**10,534**	**-**	**-**	**-**	**28,052.0**	**118,312**	**4.44**	**-**
BIG BEND STATION TOTAL		**1,693**	**289,755**	**25.5**	**45.8**	**50.1**	**10,919**	**-**	**-**	**-**	**3,096,558.0**	**13,411,591**	**4.63**	**-**
POLK #1 GASIFIER	(3)	220	136,260	92.2	97.1	93.4	10,597	COAL	51,175	28,214,631	1,443,886.0	4,294,832	3.15	83.92
POLK #1 CT (GAS)	(4)	205	16,627	12.1	91.0	16.6	6,967	GAS	113,241	1,023,000	115,846.0	498,903	3.00	4.41
POLK #1 TOTAL		**220**	**152,887**	**103.4**	**97.1**	**103.9**	**10,202**	**-**	**-**	**-**	**1,559,732.0**	**4,793,735**	**3.14**	**-**
POLK #2 ST DUCT FIRING	(4)	120	27,009	33.5	-	92.0	8,400	GAS	221,773	1,023,000	226,874.0	958,289	3.55	4.32
POLK #2 ST W/O DUCT FIRING		360	186,573	77.1	-	-	-		-	-	-	-	-	-
POLK #2 ST TOTAL		**480**	**213,582**	**66.2**	**87.7**	**66.2**	**-**	**GAS**	**-**	**-**	**226,874.0**	**958,289**	**0.45**	**-**
POLK #2 CT (GAS)	(4)	180	68,660	56.8	82.7	79.3	11,053	GAS	741,844	1,023,000	758,906.0	3,219,318	4.69	4.34
POLK #2 CT (OIL)		187	0	0.0	82.7	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL		**180**	**68,660**	**56.8**	**82.7**	**79.3**	**11,053**	**-**	**-**	**-**	**758,906.0**	**3,219,318**	**4.69**	**-**
POLK #3 CT (GAS)	(4)	180	91,590	75.7	100.0	83.6	10,611	GAS	949,997	1,023,000	971,847.0	4,112,438	4.49	4.33
POLK #3 CT (OIL)		187	0	0.00	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL		**180**	**91,590**	**75.7**	**100.0**	**83.6**	**10,611**	**-**	**-**	**-**	**971,847.0**	**4,112,438**	**4.49**	**-**
POLK #4 (GAS)	(4)	**180**	**85,555**	**70.7**	**89.4**	**83.8**	**10,641**	GAS	**889,886**	**1,023,000**	**910,353.0**	**3,853,402**	**4.50**	**4.33**
POLK #5 (GAS)	(4)	**180**	**78,746**	**65.1**	**81.0**	**84.3**	**10,690**	GAS	**822,864**	**1,023,000**	**841,790.0**	**3,562,038**	**4.52**	**4.33**
POLK #2 CC TOTAL		**1,200**	**538,133**	**66.7**	**88.1**	**66.7**	**6,894**	GAS	**-**	**-**	**3,709,770.0**	**15,705,485**	**2.92**	**-**
POLK STATION TOTAL		**1,420**	**691,020**	**72.4**	**89.5**	**72.5**	**7,626**	**-**	**-**	**-**	**5,269,502.0**	**20,499,220**	**2.97**	**-**

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: February 2018

(A) PLANT/UNIT		(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
BAYSIDE ST 1		243	119,771	73.3	99.0	73.3	-		-	-	-	-	-	-
BAYSIDE CT1A		183	77,605	63.1	98.5	67.7	11,647	GAS	860,136	1,023,000	879,954.0	3,725,975	4.80	4.33
BAYSIDE CT1B		183	70,730	57.5	100.0	68.0	11,599	GAS	785,604	1,023,000	803,698.0	3,403,114	4.81	4.33
BAYSIDE CT1C		183	64,742	52.6	98.5	68.9	11,280	GAS	695,891	1,023,000	711,925.0	3,014,492	4.66	4.33
BAYSIDE UNIT 1 TOTAL	[4]	**792**	**332,848**	**62.5**	**99.0**	**62.5**	**7,374**	**GAS**	**2,341,631**	**1,023,000**	**2,395,577.0**	**10,143,581**	**3.05**	**4.33**
BAYSIDE ST 2	[5]	315	(3,128)	0.0	0.0	0.0	-		-	-	-	-	-	-
BAYSIDE CT2A		183	0	0.0	0.0	0.0	0	GAS	(6,599)	0	(6,744.0)	3,131	0.00	(0.47)
BAYSIDE CT2B		183	0	0.0	0.0	0.0	0	GAS	(8,890)	0	(9,086.0)	4,218	0.00	(0.47)
BAYSIDE CT2C		183	0	0.0	0.0	0.0	0	GAS	1,200	0	1,225.0	(569)	0.00	(0.47)
BAYSIDE CT2D		183	0	0.0	0.0	0.0	0	GAS	5,560	0	5,677.0	(2,638)	0.00	(0.47)
BAYSIDE UNIT 2 TOTAL	[4],[5]	**1,047**	**(3,128)**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**(8,729)**	**0**	**(8,928.0)**	**4,142**	**(0.13)**	**(0.47)**
BAYSIDE UNIT 3 TOTAL	[4]	**61**	**2,343**	**5.7**	**100.0**	**85.7**	**11,240**	**GAS**	**25,167**	**1,023,000**	**25,747.0**	**108,550**	**4.63**	**4.31**
BAYSIDE UNIT 4 TOTAL	[4]	**61**	**4,155**	**10.1**	**99.8**	**87.4**	**10,917**	**GAS**	**44,124**	**1,023,000**	**45,139.0**	**189,983**	**4.57**	**4.31**
BAYSIDE UNIT 5 TOTAL	[4]	**61**	**1,030**	**2.5**	**100.0**	**81.1**	**11,609**	**GAS**	**11,319**	**1,023,000**	**11,580.0**	**48,867**	**4.74**	**4.32**
BAYSIDE UNIT 6 TOTAL	[4]	**61**	**184**	**0.4**	**47.5**	**42.8**	**11,674**	**GAS**	**1,892**	**1,023,000**	**1,936.0**	**8,384**	**4.56**	**4.43**
BAYSIDE STATION TOTAL		**2,083**	**337,432**	**24.1**	**47.8**	**62.3**	**7,528**	**GAS**	**2,415,404**	**1,023,000**	**2,471,051.0**	**10,503,507**	**3.11**	**4.35**
B.B. IGNITION								**LGT.OIL**				**0**		
SYSTEM		**5,218**	**1,321,461**	**37.7**	**58.5**	**63.5**	**8,304**	**-**	**-**	**-**	**10,837,111.0**	**44,414,318**	**3.36**	**-**

LEGEND:

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

Footnotes:

[1] As burned fuel cost system total includes ignition.
[2] Fuel burned (MM BTU) system total excludes ignition.
[3] Includes October & November 2017 adj to Polk & Big Bend ignition of $157 and $495 respectively.
[4] Includes October & November 2017 adj to fuel units burned & mmbtu's for Bayside 1 thru 6 and as burned fuel cost for gas at Big Bend, Polk, & Bayside. Details on Schedule A5 page 2.
[5] Station Service Net Generation

SCHEDULE A4
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SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: March 2018

(A) PLANT/UNIT		(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) (2)	(L) AS BURNED FUEL COST ($) (1)	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
TIA SOLAR		1.6	320	26.9	-	54.5	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR		19.4	4,029	28.0	-	56.7	-	SOLAR	-	-	-	-	-	-
LEGOLAND		1.5	236	21.2	-	42.9	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL		**22.5**	**4,585**	**27.5**	-	**55.6**	-	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
B.B.#1 (GAS)	(3)	185	6,948	5.1	98.0	79.9	-	GAS	104,955	1,023,000	107,369.0	402,383	5.79	3.83
B.B.#1 (COAL)		395	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #1 TOTAL		**395**	**6,948**	**2.4**	**78.1**	**37.2**	**12,297**	**-**	**-**	**-**	**107,369.0**	**402,383**	**5.79**	**-**
B.B.#2 (GAS)	(3)	185	105,001	76.4	100.0	76.4	-	GAS	1,243,387	1,023,000	1,271,985.0	4,572,255	4.35	3.68
B.B.#2 (COAL)		395	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL		**395**	**105,001**	**35.8**	**80.1**	**35.8**	**11,391**	**-**	**-**	**-**	**1,271,985.0**	**4,572,255**	**4.35**	**-**
B.B.#3 (GAS)	(3)	185	7,564	5.5	51.8	10.6	-	GAS	97,083	1,023,000	99,316.0	358,599	4.74	3.69
B.B.#3 (COAL)	(3)	400	83,204	28.0	30.7	0.0	-	COAL	40,811	24,097,665	971,371.3	3,350,625	4.03	82.10
BIG BEND #3 TOTAL		**400**	**90,768**	**30.5**	**30.7**	**59.0**	**11,943**	**-**	**-**	**-**	**1,070,687.3**	**3,709,224**	**4.09**	**-**
B.B.#4 (GAS)	(3)	175	1,181	0.9	8.0	11.4	-	GAS	(90,862)	1,023,000	(92,952.0)	(440,936)	(37.34)	4.85
B.B.#4 (COAL)	(3)	442	14,667	4.5	8.0	0.0	-	COAL	8,632	23,912,000	205,938.9	708,696	4.83	82.10
BIG BEND #4 TOTAL		**442**	**15,848**	**4.8**	**8.0**	**60.5**	**10,330**	**-**	**-**	**-**	**112,986.9**	**267,760**	**1.69**	**-**
B.B. IGNITION	(3)	-	-	-	-	-	-	GAS	10,283	1,023,000	10,519.0	37,138	-	3.61
BIG BEND 1-4 COAL TOTAL		**1,632**	**97,871**	**8.1**	**9.7**	**19.9**	**11,684**	**COAL**	**49,443**	**24,072,926**	**1,177,310.2**	**4,059,321**	**4.15**	**82.10**
B.B. CT#4 (OIL)		0	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	(3)	61	1,085	2.4	91.0	82.2	12,686	GAS	13,455	1,023,000	13,764.0	48,594	4.48	3.61
BIG BEND CT #4 TOTAL		**61**	**1,085**	**2.4**	**91.0**	**82.2**	**12,686**	**-**	**-**	**-**	**13,764.0**	**48,594**	**4.48**	**-**
BIG BEND STATION TOTAL		**1,693**	**219,650**	**17.5**	**49.5**	**44.5**	**11,578**	**-**	**-**	**-**	**2,576,792.2**	**9,037,354**	**4.11**	**-**
POLK #1 GASIFIER		220	31,464	19.2	49.1	84.3	12,302	COAL	13,738	28,175,066	387,059.5	1,355,222	4.31	98.65
POLK #1 CT (GAS)	(3)	205	38,106	25.0	52.4	49.8	8,312	GAS	309,604	1,023,000	316,725.0	1,118,203	2.93	3.61
POLK #1 TOTAL		**220**	**69,570**	**42.6**	**49.1**	**82.3**	**10,116**	**-**	**-**	**-**	**703,784.5**	**2,473,425**	**3.56**	**-**
POLK #2 ST DUCT FIRING	(3)	120	39,639	44.5	-	92.7	8,400	GAS	325,479	1,023,000	332,965.0	1,175,538	2.97	3.61
POLK #2 ST W/O DUCT FIRING		360	250,902	93.8	-	-	-		-	-	-	-	-	-
POLK #2 ST TOTAL		**480**	**290,541**	**81.5**	**96.2**	**81.5**	**-**	**GAS**	**-**	**-**	**332,965.0**	**1,175,538**	**0.40**	**-**
POLK #2 CT (GAS)	(3)	180	107,527	80.4	100.0	83.4	10,929	GAS	1,148,731	1,023,000	1,175,152.0	4,148,893	3.86	3.61
POLK #2 CT (OIL)		187	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL		**180**	**107,527**	**80.4**	**100.0**	**83.4**	**10,929**	**-**	**-**	**-**	**1,175,152.0**	**4,148,893**	**3.86**	**-**
POLK #3 CT (GAS)	(3)	180	107,626	80.5	95.5	85.3	10,659	GAS	1,121,415	1,023,000	1,147,208.0	4,050,236	3.76	3.61
POLK #3 CT (OIL)		187	0	0.00	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL		**180**	**107,626**	**80.5**	**95.5**	**85.3**	**10,659**	**-**	**-**	**-**	**1,147,208.0**	**4,050,236**	**3.76**	**-**
POLK #4 (GAS)	(3)	**180**	**108,053**	**80.8**	**95.0**	**86.3**	**10,606**	GAS	**1,120,292**	**1,023,000**	**1,146,059.0**	**4,046,180**	**3.74**	**3.61**
POLK #5 (GAS)	(3)	**180**	**115,234**	**86.2**	**100.0**	**86.2**	**10,640**	GAS	**1,198,571**	**1,023,000**	**1,226,138.0**	**4,328,900**	**3.76**	**3.61**
POLK #2 CC TOTAL		**1,200**	**728,981**	**81.8**	**97.1**	**81.8**	**6,897**	GAS	**-**	**-**	**5,027,522.0**	**17,749,747**	**2.43**	**-**
POLK STATION TOTAL		**1,420**	**798,551**	**75.7**	**89.6**	**81.8**	**7,177**	**-**	**-**	**-**	**5,731,306.5**	**20,223,172**	**2.53**	**-**

SCHEDULE A4
PAGE 2 OF 2
REVISED 5/16/18

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: March 2018

(A) PLANT/UNIT		(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
BAYSIDE ST 1		243	109,942	60.9	95.5	61.6	-		-	-	-	-	-	-
BAYSIDE CT1A		183	64,852	47.7	92.5	67.2	12,021	GAS	762,057	1,023,000	779,584.0	2,754,047	4.25	3.61
BAYSIDE CT1B		183	59,536	43.8	97.2	66.8	11,754	GAS	684,068	1,023,000	699,802.0	2,472,197	4.15	3.61
BAYSIDE CT1C		183	74,380	54.7	100.0	67.9	11,427	GAS	830,802	1,023,000	849,910.0	3,002,488	4.04	3.61
BAYSIDE UNIT 1 TOTAL	[3]	**792**	**308,710**	**52.5**	**96.2**	**52.5**	**7,545**	**GAS**	**2,276,927**	**1,023,000**	**2,329,296.0**	**8,228,732**	**2.67**	**3.61**
BAYSIDE ST 2	[4]	315	(3,411)	0.0	0.0	0.0	-		-	-	-	-	-	-
BAYSIDE CT2A		183	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
BAYSIDE CT2B		183	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
BAYSIDE CT2C		183	0	0.0	0.0	0.0	0	GAS	0	0	0.0	0	0.00	0.00
BAYSIDE CT2D		183	0	0.0	0.0	0.0	0	GAS	0	0	0.0	(1)	0.00	0.00
BAYSIDE UNIT 2 TOTAL	[3],[4]	**1,047**	**(3,411)**	**0.0**	**0.0**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**(1)**	**0.00**	**0.00**
BAYSIDE UNIT 3 TOTAL	[3]	**61**	**1,900**	**4.2**	**100.0**	**83.1**	**11,260**	**GAS**	**20,913**	**1,023,000**	**21,394.0**	**75,579**	**3.98**	**3.61**
BAYSIDE UNIT 4 TOTAL	[3]	**61**	**3,077**	**6.8**	**100.0**	**93.3**	**10,858**	**GAS**	**32,658**	**1,023,000**	**33,409.0**	**118,024**	**3.84**	**3.61**
BAYSIDE UNIT 5 TOTAL		**61**	**768**	**1.7**	**97.4**	**69.3**	**11,980**	**GAS**	**8,994**	**1,023,000**	**9,201.0**	**32,504**	**4.23**	**3.61**
BAYSIDE UNIT 6 TOTAL		**61**	**152**	**0.3**	**46.9**	**43.7**	**11,658**	**GAS**	**1,732**	**1,023,000**	**1,772.0**	**6,260**	**4.12**	**3.61**
BAYSIDE STATION TOTAL		**2,083**	**311,196**	**20.1**	**46.7**	**52.3**	**7,696**	**GAS**	**2,341,224**	**1,023,000**	**2,395,072.0**	**8,461,098**	**2.72**	**3.61**
B.B. IGNITION								**LGT.OIL**				**0**		
SYSTEM		**5,218**	**1,333,982**	**34.4**	**59.3**	**64.3**	**7,998**	**-**	**-**	**-**	**10,703,170.7**	**37,721,624**	**2.83**	**-**

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

Footnotes:
[1] As burned fuel cost system total includes ignition.
[2] Fuel burned (MM BTU) system total excludes ignition.
[3] Includes January & February 2018 adjustments to fuel units burned, as burned fuel cost & mmbtu's for Big Bend, Polk, & Bayside. Details on Schedule A5 page 2.
[4] Station Service Net Generation

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: April 2018

(A) PLANT/UNIT		(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
TIA SOLAR		1.6	401	34.8	-	63.9	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR		19.4	4,348	31.2	-	62.6	-	SOLAR	-	-	-	-	-	-
LEGOLAND		1.5	227	21.0	-	41.6	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL		**22.5**	**4,976**	**30.8**	-	**61.3**	-	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
B.B.#1 (GAS)		185	0	0.0	77.8	0.0	-	GAS	0	0	0.0	0	0.00	0.00
B.B.#1 (COAL)		385	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #1 TOTAL		**385**	**0**	**0.0**	**63.6**	**0.0**	**0**	**-**	**-**	**-**	**0.0**	**0**	**0.00**	**-**
B.B.#2 (GAS)		185	48,780	36.6	37.6	97.3	-	GAS	489,745	1,021,000	500,030.0	1,879,312	3.85	3.84
B.B.#2 (COAL)		385	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL		**385**	**48,780**	**17.6**	**33.5**	**46.8**	**10,251**	**-**	**-**	**-**	**500,030.0**	**1,879,312**	**3.85**	**-**
B.B.#3 (GAS)		185	12,204	9.2	75.1	24.8	-	GAS	131,922	1,021,000	134,693.0	506,230	4.15	3.84
B.B.#3 (COAL)		395	168,878	59.4	66.2	155.5	-	COAL	77,046	23,759,455	1,830,570.9	6,090,198	3.61	79.05
BIG BEND #3 TOTAL		**395**	**181,082**	**63.7**	**66.2**	**84.8**	**10,853**	**-**	**-**	**-**	**1,965,263.9**	**6,596,428**	**3.64**	**-**
B.B.#4 (GAS)		175	1,172	0.9	99.9	5.5	-	GAS	12,288	1,021,000	12,546.0	47,153	4.02	3.84
B.B.#4 (COAL)	[3]	437	259,359	82.4	87.7	99.2	-	COAL	114,907	23,902,067	2,746,516.6	9,082,968	3.50	79.05
BIG BEND #4 TOTAL		**437**	**260,531**	**82.8**	**87.7**	**82.8**	**10,575**	**-**	**-**	**-**	**2,759,062.6**	**9,130,121**	**3.50**	**-**
B.B. IGNITION		-	-	-	-	-	-	GAS	19,800	1,021,000	20,216.0	75,980	-	3.84
BIG BEND 1-4 COAL TOTAL		**1,602**	**428,237**	**37.1**	**40.3**	**67.7**	**10,679**	**COAL**	**191,953**	**23,844,775**	**4,577,087.5**	**15,173,166**	**3.54**	**79.05**
B.B. CT#4 (OIL)		0	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)		56	2,252	5.6	94.5	92.6	10,914	GAS	24,073	1,021,000	24,579.0	92,378	4.10	3.84
BIG BEND CT #4 TOTAL		**56**	**2,252**	**5.6**	**94.5**	**92.6**	**10,914**	**-**	**-**	**-**	**24,579.0**	**92,378**	**4.10**	**-**
BIG BEND STATION TOTAL		**1,658**	**492,645**	**41.3**	**64.6**	**77.6**	**10,646**	**-**	**-**	**-**	**5,248,935.5**	**17,774,219**	**3.61**	**-**
POLK #1 GASIFIER	[4]	220	(3,261)	0.0	0.0	0.0	0	COAL	0	0	0.0	(757)	0.02	0.00
POLK #1 CT (GAS)		195	63,722	45.4	82.1	71.9	8,677	GAS	541,524	1,021,000	552,896.0	2,078,003	3.26	3.84
POLK #1 TOTAL		**220**	**60,461**	**38.2**	**72.8**	**60.5**	**9,145**	**-**	**-**	**-**	**552,896.0**	**2,077,246**	**3.44**	**-**
POLK #2 ST DUCT FIRING		120	32,256	37.3	-	91.7	8,400	GAS	265,377	1,021,000	270,950.0	1,018,338	3.16	3.84
POLK #2 ST W/O DUCT FIRING		341	221,880	90.4	-	-	-		-	-	-	-	-	-
POLK #2 ST TOTAL		**461**	**254,136**	**76.6**	**98.9**	**76.6**	**-**	**GAS**	**-**	**-**	**270,950.0**	**1,018,338**	**0.40**	**-**
POLK #2 CT (GAS)		150	100,928	93.5	100.0	95.4	11,036	GAS	1,090,911	1,021,000	1,113,820.0	4,186,179	4.15	3.84
POLK #2 CT (OIL)		159	0	0.0	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL		**150**	**100,928**	**93.5**	**100.0**	**95.4**	**11,036**	**-**	**-**	**-**	**1,113,820.0**	**4,186,179**	**4.15**	**-**
POLK #3 CT (GAS)		150	95,885	88.8	100.0	98.1	10,789	GAS	1,013,225	1,021,000	1,034,503.0	3,888,074	4.05	3.84
POLK #3 CT (OIL)		159	0	0.00	100.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL		**150**	**95,885**	**88.8**	**100.0**	**98.1**	**10,789**	**-**	**-**	**-**	**1,034,503.0**	**3,888,074**	**4.05**	**-**
POLK #4 (GAS)		**150**	**99,683**	**92.3**	**97.6**	**98.6**	**10,700**	GAS	**1,044,643**	**1,021,000**	**1,066,580.0**	**4,008,632**	**4.02**	**3.84**
POLK #5 (GAS)		**150**	**83,944**	**77.7**	**98.1**	**98.9**	**10,751**	GAS	**883,953**	**1,021,000**	**902,516.0**	**3,392,014**	**4.04**	**3.84**
POLK #2 CC TOTAL		**1,061**	**634,576**	**83.1**	**98.9**	**83.1**	**6,915**	GAS	**-**	**-**	**4,388,369.0**	**16,493,237**	**2.60**	**-**
POLK STATION TOTAL		**1,281**	**695,037**	**75.4**	**94.4**	**80.5**	**7,109**	**-**	**-**	**-**	**4,941,265.0**	**18,570,483**	**2.67**	**-**

SCHEDULE A4
PAGE 2 OF 2

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: April 2018

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
BAYSIDE ST 1	233	57,432	34.2	54.3	58.5	-		-	-	-	-	-	-
BAYSIDE CT1A	156	34,564	30.8	53.8	80.0	11,634	GAS	393,856	1,021,000	402,127.0	1,512,850	4.38	3.84
BAYSIDE CT1B	156	35,195	31.3	57.7	80.2	11,624	GAS	400,709	1,021,000	409,124.0	1,539,173	4.37	3.84
BAYSIDE CT1C	156	35,711	31.8	61.3	77.0	11,538	GAS	403,548	1,021,000	412,022.0	1,550,078	4.34	3.84
BAYSIDE UNIT 1 TOTAL	**701**	**162,902**	**32.3**	**56.5**	**55.1**	**7,509**	**GAS**	**1,198,113**	**1,021,000**	**1,223,273.0**	**4,602,101**	**2.83**	**3.84**
BAYSIDE ST 2	305	64,736	29.5	53.6	54.5	-		-	-	-	-	-	-
BAYSIDE CT2A	156	30,054	26.8	59.3	80.0	11,348	GAS	334,024	1,021,000	341,038.0	1,283,027	4.27	3.84
BAYSIDE CT2B	156	25,725	22.9	53.2	80.4	11,569	GAS	291,483	1,021,000	297,604.0	1,119,622	4.35	3.84
BAYSIDE CT2C	156	34,219	30.5	59.7	80.0	11,642	GAS	390,174	1,021,000	398,368.0	1,498,706	4.38	3.84
BAYSIDE CT2D	156	32,428	28.9	57.2	75.1	11,752	GAS	373,249	1,021,000	381,087.0	1,433,695	4.42	3.84
BAYSIDE UNIT 2 TOTAL	**929**	**187,162**	**28.0**	**56.1**	**49.7**	**7,577**	**GAS**	**1,388,930**	**1,021,000**	**1,418,097.0**	**5,335,050**	**2.85**	**3.84**
BAYSIDE UNIT 3 TOTAL	**56**	**2,736**	**6.8**	**77.7**	**97.8**	**10,931**	**GAS**	**29,293**	**1,021,000**	**29,908.0**	**112,517**	**4.11**	**3.84**
BAYSIDE UNIT 4 TOTAL	**56**	**2,015**	**5.0**	**77.5**	**97.7**	**11,031**	**GAS**	**21,770**	**1,021,000**	**22,227.0**	**83,621**	**4.15**	**3.84**
BAYSIDE UNIT 5 TOTAL	**56**	**1,422**	**3.5**	**93.0**	**95.2**	**11,275**	**GAS**	**15,703**	**1,021,000**	**16,033.0**	**60,318**	**4.24**	**3.84**
BAYSIDE UNIT 6 TOTAL	**56**	**352**	**0.9**	**70.8**	**75.4**	**10,330**	**GAS**	**3,561**	**1,021,000**	**3,636.0**	**13,679**	**3.89**	**3.84**
BAYSIDE STATION TOTAL	**1,854**	**356,589**	**26.7**	**59.1**	**52.5**	**7,609**	**GAS**	**2,657,370**	**1,021,000**	**2,713,174.0**	**10,207,286**	**2.86**	**3.84**
B.B. IGNITION							**LGT.OIL**				**0**		
SYSTEM	**4,815**	**1,549,247**	**44.7**	**70.5**	**70.9**	**8,326**	**-**	**-**	**-**	**12,903,374.5**	**46,551,988**	**3.00**	**-**

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

Footnotes:
[1] As burned fuel cost system total includes ignition.
[2] Fuel burned (MM BTU) system total excludes ignition.
[3] Includes March 2018 adjustment to BB#4 coal of 169 tons burned, $12,691.58 to as burned fuel cost and 4,041.2 to mmbtu's.
[4] Station Service net generation and adjustment to as burned fuel cost for December 2017 through March 2018.

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: May 2018

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
TIA SOLAR	1.6	265	22.3	-	40.5	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR	19.4	3,304	22.9	-	42.9	-	SOLAR	-	-	-	-	-	-
LEGOLAND	1.5	184	16.5	-	30.9	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL	**22.5**	**3,753**	**22.5**	-	**41.9**	-	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
B.B.#1 (GAS)	305	8,739	3.9	67.1	47.6	-	GAS	90,372	1,021,000	92,270.0	363,250	4.16	4.02
B.B.#1 (COAL)	0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #1 TOTAL	**305**	**8,739**	**3.9**	**67.1**	**47.6**	**10,558**	**-**	**-**	**-**	**92,270.0**	**363,250**	**4.16**	**-**
B.B.#2 (GAS)	340	0	0.0	0.3	0.0	-	GAS	0	0	0.0	0	0.00	0.00
B.B.#2 (COAL)	0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL	**340**	**0**	**0.0**	**0.3**	**0.0**	**0**	**-**	**-**	**-**	**0.0**	**0**	**0.00**	**-**
B.B.#3 (GAS)	345	3,412	1.3	91.1	5.6	-	GAS	36,201	1,021,000	36,961.0	145,509	4.26	4.02
B.B.#3 (COAL)	395	244,036	83.0	91.3	123.1	-	COAL	111,078	23,396,610	2,598,848.6	8,301,767	3.40	74.74
BIG BEND #3 TOTAL	**395**	**247,448**	**84.2**	**91.3**	**92.2**	**10,652**	**-**	**-**	**-**	**2,635,809.6**	**8,447,276**	**3.41**	**-**
B.B.#4 (GAS)	185	9	0.0	85.4	0.5	-	GAS	104	1,021,000	106.0	417	4.63	4.02
B.B.#4 (COAL)	437	213,930	65.8	68.2	78.2	-	COAL	104,643	22,912,365	2,397,618.6	7,820,827	3.66	74.74
BIG BEND #4 TOTAL	**437**	**213,939**	**65.8**	**68.2**	**77.0**	**11,208**	**-**	**-**	**-**	**2,397,724.6**	**7,821,244**	**3.66**	**-**
B.B. IGNITION	-	-	-	-	-	-	GAS	17,599	1,021,000	17,969.0	70,741	-	4.02
BIG BEND 1-4 COAL TOTAL	**1,477**	**457,966**	**74.0**	**79.2**	**81.1**	**10,910**	**COAL**	**215,721**	**23,161,710**	**4,996,467.2**	**16,122,594**	**3.52**	**74.74**
B.B. CT#4 (OIL)	0	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)	56	901	2.2	82.8	101.3	11,966	GAS	10,559	1,021,000	10,781.0	42,443	4.71	4.02
BIG BEND CT #4 TOTAL	**56**	**901**	**2.2**	**82.8**	**101.3**	**11,966**	**-**	**-**	**-**	**10,781.0**	**42,443**	**4.71**	**-**
BIG BEND STATION TOTAL	**1,533**	**471,027**	**41.3**	**59.4**	**83.3**	**10,905**	**-**	**-**	**-**	**5,136,585.2**	**16,744,954**	**3.55**	**-**
POLK #1 GASIFIER [3]	220	(2,677)	0.0	0.0	0.0	0	COAL	0	0	0.0	4,562	(0.17)	0.00
POLK #1 CT (GAS)	195	70,669	48.7	93.6	64.6	8,914	GAS	617,008	1,021,000	629,965.0	2,480,057	3.51	4.02
POLK #1 TOTAL	**220**	**67,992**	**41.5**	**82.9**	**47.6**	**9,265**	**-**	**-**	**-**	**629,965.0**	**2,484,619**	**3.65**	**-**
POLK #2 ST DUCT FIRING	120	9,987	11.2	-	90.7	8,400	GAS	82,165	1,021,000	83,890.0	330,259	3.31	4.02
POLK #2 ST W/O DUCT FIRING	341	163,768	64.6	-	-	-	-	-	-	-	-	-	-
POLK #2 ST TOTAL	**461**	**173,755**	**50.7**	**78.8**	**63.1**	**-**	**GAS**	**-**	**-**	**83,890.0**	**330,259**	**0.19**	**-**
POLK #2 CT (GAS)	150	69,976	62.7	93.1	92.5	11,126	GAS	762,525	1,021,000	778,538.0	3,064,962	4.38	4.02
POLK #2 CT (OIL)	159	0	0.0	93.1	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #2 TOTAL	**150**	**69,976**	**62.7**	**93.1**	**92.5**	**11,126**	**-**	**-**	**-**	**778,538.0**	**3,064,962**	**4.38**	**-**
POLK #3 CT (GAS)	150	75,336	67.5	93.8	94.7	10,900	GAS	804,288	1,021,000	821,178.0	3,232,828	4.29	4.02
POLK #3 CT (OIL)	159	0	0.00	93.8	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
POLK #3 TOTAL	**150**	**75,336**	**67.5**	**93.8**	**94.7**	**10,900**	**-**	**-**	**-**	**821,178.0**	**3,232,828**	**4.29**	**-**
POLK #4 (GAS)	**150**	**73,944**	**66.3**	**98.6**	**94.6**	**10,811**	**GAS**	**782,939**	**1,021,000**	**799,381.0**	**3,147,017**	**4.26**	**4.02**
POLK #5 (GAS)	**150**	**80,532**	**72.2**	**98.9**	**95.7**	**10,797**	**GAS**	**851,582**	**1,021,000**	**869,465.0**	**3,422,925**	**4.25**	**4.02**
POLK #2 CC TOTAL	**1,061**	**473,543**	**60.0**	**88.6**	**68.0**	**7,080**	**GAS**	**-**	**-**	**3,352,452.0**	**13,197,991**	**2.79**	**-**
POLK STATION TOTAL	**1,281**	**541,535**	**56.8**	**87.6**	**64.5**	**7,354**	**-**	**-**	**-**	**3,982,417.0**	**15,682,610**	**2.90**	**-**

SCHEDULE A4
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SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: May 2018

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
BAYSIDE ST 1	233	100,670	58.1	97.6	58.1	-		-	-	-	-	-	-
BAYSIDE CT1A	156	58,728	50.6	100.0	77.3	11,575	GAS	665,803	1,021,000	679,785.0	2,676,701	4.56	4.02
BAYSIDE CT1B	156	71,464	61.6	98.9	80.9	11,630	GAS	814,005	1,021,000	831,099.0	3,272,512	4.58	4.02
BAYSIDE CT1C	156	54,615	47.1	94.0	78.3	11,353	GAS	607,277	1,021,000	620,030.0	2,441,411	4.47	4.02
BAYSIDE UNIT 1 TOTAL	**701**	**285,477**	**54.7**	**97.6**	**54.7**	**7,464**	**GAS**	**2,087,085**	**1,021,000**	**2,130,914.0**	**8,390,624**	**2.94**	**4.02**
BAYSIDE ST 2	305	120,223	53.0	92.5	56.1	-		-	-	-	-	-	-
BAYSIDE CT2A	156	60,423	52.1	94.3	82.8	11,238	GAS	665,065	1,021,000	679,032.0	2,673,734	4.43	4.02
BAYSIDE CT2B	156	56,911	49.0	89.2	82.0	11,531	GAS	642,731	1,021,000	656,228.0	2,583,945	4.54	4.02
BAYSIDE CT2C	156	54,807	47.2	95.1	81.7	11,564	GAS	620,773	1,021,000	633,809.0	2,495,668	4.55	4.02
BAYSIDE CT2D	156	55,362	47.7	94.7	81.9	11,491	GAS	623,107	1,021,000	636,192.0	2,505,052	4.52	4.02
BAYSIDE UNIT 2 TOTAL	**929**	**347,726**	**50.3**	**93.1**	**52.9**	**7,492**	**GAS**	**2,551,676**	**1,021,000**	**2,605,261.0**	**10,258,399**	**2.95**	**4.02**
BAYSIDE UNIT 3 TOTAL	**56**	**1,245**	**3.0**	**98.9**	**94.6**	**11,202**	**GAS**	**13,660**	**1,021,000**	**13,947.0**	**54,917**	**4.41**	**4.02**
BAYSIDE UNIT 4 TOTAL	**56**	**1,005**	**2.4**	**100.0**	**93.9**	**10,996**	**GAS**	**10,824**	**1,021,000**	**11,051.0**	**43,514**	**4.33**	**4.02**
BAYSIDE UNIT 5 TOTAL	**56**	**353**	**0.8**	**88.2**	**85.8**	**12,252**	**GAS**	**4,236**	**1,021,000**	**4,325.0**	**17,030**	**4.82**	**4.02**
BAYSIDE UNIT 6 TOTAL	**56**	**1,231**	**3.0**	**85.5**	**94.8**	**11,039**	**GAS**	**13,309**	**1,021,000**	**13,589.0**	**53,508**	**4.35**	**4.02**
BAYSIDE STATION TOTAL	**1,854**	**637,037**	**46.2**	**94.8**	**53.8**	**7,502**	**GAS**	**4,680,790**	**1,021,000**	**4,779,087.0**	**18,817,992**	**2.95**	**4.02**
B.B. IGNITION							**LGT.OIL**				**0**		
SYSTEM	**4,690**	**1,653,352**	**47.4**	**81.2**	**63.7**	**8,406**	**-**	**-**	**-**	**13,898,089.2**	**51,245,556**	**3.10**	**-**

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

Footnotes:
[1] As burned fuel cost system total includes ignition.
[2] Fuel burned (MM BTU) system total excludes ignition.
[3] Station Service net generation and adjustment to as burned fuel cost for January 2018 through March 2018.

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: June 2018

(A) PLANT/UNIT		(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) (2)	(L) AS BURNED FUEL COST ($) (1)	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
TIA SOLAR		1.6	297	25.8	-	44.6	-	SOLAR	-	-	-	-	-	-
BIG BEND SOLAR		19.4	4,097	29.4	-	53.3	-	SOLAR	-	-	-	-	-	-
LEGOLAND		1.5	225	20.8	-	36.9	-	SOLAR	-	-	-	-	-	-
SOLAR TOTAL		**22.5**	**4,619**	**28.6**	-	**51.5**	-	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
B.B.#1 (GAS)		305	61,694	28.1	98.3	43.1	-	GAS	698,234	1,020,000	712,199.0	2,712,132	4.40	3.88
B.B.#1 (COAL)		0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #1 TOTAL		**305**	**61,694**	**28.1**	**98.3**	**43.1**	**11,544**	**-**	**-**	**-**	**712,199.0**	**2,712,132**	**4.40**	**-**
B.B.#2 (GAS)		340	26,562	10.9	92.5	34.9	-	GAS	300,230	1,020,000	306,235.0	1,166,176	4.39	3.88
B.B.#2 (COAL)		0	0	0.0	0.0	0.0	-	COAL	0	0	0.0	0	0.00	0.00
BIG BEND #2 TOTAL		**340**	**26,562**	**10.9**	**92.5**	**34.8**	**11,529**	**-**	**-**	**-**	**306,235.0**	**1,166,176**	**4.39**	**-**
B.B.#3 (GAS)		345	40,566	16.3	99.4	42.4	-	GAS	435,606	1,020,000	444,318.0	1,692,012	4.17	3.88
B.B.#3 (COAL)		395	178,525	62.8	73.8	108.9	-	COAL	81,873	23,393,418	1,915,289.3	6,320,015	3.54	77.19
BIG BEND #3 TOTAL		**395**	**219,091**	**77.0**	**73.8**	**80.2**	**10,770**	**-**	**-**	**-**	**2,359,607.3**	**8,012,027**	**3.66**	**-**
B.B.#4 (GAS)		185	469	0.4	72.7	5.3	-	GAS	5,078	1,020,000	5,179.0	19,722	4.21	3.88
B.B.#4 (COAL)		437	181,055	57.5	60.1	87.2	-	COAL	86,460	22,814,064	1,972,503.9	6,674,098	3.69	77.19
BIG BEND #4 TOTAL		**437**	**181,524**	**57.7**	**60.1**	**79.4**	**10,895**	**-**	**-**	**-**	**1,977,682.9**	**6,693,820**	**3.69**	**-**
B.B. IGNITION		-	-	-	-	-	-	GAS	31,795	1,020,000	32,431.0	123,501	-	3.88
BIG BEND 1-4 COAL TOTAL		**1,477**	**359,580**	**60.0**	**66.6**	**49.9**	**10,812**	**COAL**	**168,333**	**23,095,847**	**3,887,793.2**	**12,994,113**	**3.61**	**77.19**
B.B. CT#4 (OIL)		0	0	0.0	0.0	0.0	0	LGT.OIL	0	0	0.0	0	0.00	0.00
B.B. CT#4 (GAS)		56	615	1.5	100.0	75.7	13,069	GAS	7,880	1,020,000	8,037.3	30,606	4.98	3.88
BIG BEND CT #4 TOTAL		**56**	**615**	**1.5**	**100.0**	**75.7**	**13,069**	**-**	**-**	**-**	**8,037.3**	**30,606**	**4.98**	**-**
BIG BEND STATION TOTAL		**1,533**	**489,486**	**44.3**	**79.9**	**67.8**	**10,958**	**-**	**-**	**-**	**5,363,761.5**	**18,738,262**	**3.83**	**-**
POLK #1 GASIFIER		220	18,172	11.5	19.8	61.6	23,042	COAL	14,896	28,110,000	418,718.1	1,334,717	7.34	89.60
POLK #1 CT (GAS)		195	61,472	43.8	98.9	63.4	8,966	GAS	540,375	1,020,000	551,183.0	2,098,965	3.41	3.88
POLK #1 TOTAL		**220**	**79,644**	**50.3**	**89.6**	**60.0**	**12,178**	**-**	**-**	**-**	**969,901.1**	**3,433,682**	**4.31**	**-**
POLK #2 ST DUCT FIRING		120	22,678	26.2	-	90.4	8,397	GAS	186,701	1,020,000	190,435.0	725,197	3.20	3.88
POLK #2 ST W/O DUCT FIRING		341	231,263	94.2	-	-	-		-	-	-	-	-	-
POLK #2 ST TOTAL		**461**	**253,941**	**76.5**	**99.7**	**76.5**	**-**	**GAS**	**-**	**-**	**190,435.0**	**725,197**	**0.29**	**-**
POLK #2 CT (GAS)		150	96,202	89.1	100.0	93.0	11,209	GAS	1,057,228	1,020,000	1,078,372.0	4,106,559	4.27	3.88
POLK #2 CT (OIL)	(3)	159	79	0.1	100.0	36.3	16,991	LGT.OIL	0	5,829,601	1,342.3	0	0.00	0.00
POLK #2 TOTAL		**150**	**96,281**	**89.1**	**100.0**	**92.9**	**11,214**	**-**	**-**	**-**	**1,079,714.3**	**4,106,559**	**4.27**	**-**
POLK #3 CT (GAS)		150	93,964	87.0	100.0	95.6	10,856	GAS	1,000,044	1,020,000	1,020,045.0	3,884,443	4.13	3.88
POLK #3 CT (OIL)	(3)	159	2	0.00	100.0	12.6	3,050	LGT.OIL	0	5,829,600	6.1	0	0.00	0.00
POLK #3 TOTAL		**150**	**93,966**	**87.0**	**100.0**	**95.5**	**10,856**	**-**	**-**	**-**	**1,020,051.1**	**3,884,443**	**4.13**	**-**
POLK #4 (GAS)		**150**	**100,677**	**93.2**	**100.0**	**95.7**	**10,875**	GAS	**1,073,440**	**1,020,000**	**1,094,909.0**	**4,169,533**	**4.14**	**3.88**
POLK #5 (GAS)		**150**	**103,538**	**95.9**	**100.0**	**95.9**	**10,890**	GAS	**1,105,390**	**1,020,000**	**1,127,498.0**	**4,293,636**	**4.15**	**3.88**
POLK #2 CC TOTAL		**1,061**	**648,403**	**84.9**	**99.9**	**84.9**	**6,960**	GAS	**-**	**-**	**4,512,607.4**	**17,179,368**	**2.65**	**-**
POLK STATION TOTAL		**1,281**	**728,047**	**78.9**	**98.1**	**81.2**	**7,530**	**-**	**-**	**-**	**5,482,508.5**	**20,613,050**	**2.83**	**-**

SYSTEM NET GENERATION AND FUEL COST
TAMPA ELECTRIC COMPANY
MONTH OF: June 2018

(A) PLANT/UNIT	(B) NET CAP-ABILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) NET AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE BTU/KWH	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
BAYSIDE ST 1	233	107,361	64.0	100.0	64.0	-		-	-	-	-	-	-
BAYSIDE CT1A	156	66,912	59.6	100.0	81.2	11,785	GAS	773,075	1,020,000	788,536.0	3,004,318	4.49	3.89
BAYSIDE CT1B	156	70,802	63.0	100.0	81.2	11,795	GAS	818,718	1,020,000	835,092.0	3,181,695	4.49	3.89
BAYSIDE CT1C	156	60,939	54.3	100.0	82.2	11,478	GAS	685,733	1,020,000	699,448.0	2,664,890	4.37	3.89
BAYSIDE UNIT 1 TOTAL	**701**	**306,014**	**60.6**	**100.0**	**60.6**	**7,591**	**GAS**	**2,277,526**	**1,020,000**	**2,323,076.0**	**8,850,903**	**2.89**	**3.89**
BAYSIDE ST 2	305	114,586	52.2	91.0	52.2	-		-	-	-	-	-	-
BAYSIDE CT2A	156	58,284	51.9	100.0	81.9	11,479	GAS	655,950	1,020,000	669,069.0	2,549,148	4.37	3.89
BAYSIDE CT2B	156	62,647	55.8	94.5	81.7	11,770	GAS	722,928	1,020,000	737,386.0	2,809,437	4.48	3.89
BAYSIDE CT2C	156	38,914	34.6	80.6	85.3	11,698	GAS	446,293	1,020,000	455,219.0	1,734,380	4.46	3.89
BAYSIDE CT2D	156	56,210	50.0	87.2	76.3	11,633	GAS	641,095	1,020,000	653,917.0	2,491,419	4.43	3.89
BAYSIDE UNIT 2 TOTAL	**929**	**330,641**	**49.4**	**90.7**	**49.4**	**7,608**	**GAS**	**2,466,266**	**1,020,000**	**2,515,591.0**	**9,584,384**	**2.90**	**3.89**
BAYSIDE UNIT 3 TOTAL	**56**	**2,464**	**6.1**	**99.6**	**88.9**	**11,895**	**GAS**	**28,734**	**1,020,000**	**29,309.0**	**111,667**	**4.53**	**3.89**
BAYSIDE UNIT 4 TOTAL	**56**	**1,015**	**2.5**	**99.2**	**71.9**	**12,146**	**GAS**	**12,086**	**1,020,000**	**12,328.0**	**46,970**	**4.63**	**3.89**
BAYSIDE UNIT 5 TOTAL	**56**	**291**	**0.7**	**100.0**	**81.4**	**12,718**	**GAS**	**3,628**	**1,020,000**	**3,701.0**	**14,101**	**4.85**	**3.89**
BAYSIDE UNIT 6 TOTAL	**56**	**423**	**1.0**	**100.0**	**87.5**	**11,558**	**GAS**	**4,793**	**1,020,000**	**4,889.0**	**18,627**	**4.40**	**3.89**
BAYSIDE STATION TOTAL	**1,854**	**640,848**	**48.0**	**95.3**	**54.4**	**7,629**	**GAS**	**4,793,033**	**1,020,000**	**4,888,894.0**	**18,626,652**	**2.91**	**3.89**
B.B. IGNITION							**LGT.OIL**				**0**		
SYSTEM	**4,690**	**1,863,000**	**55.2**	**91.0**	**66.4**	**8,446**	**-**	**-**	**-**	**15,735,164.0**	**57,977,964**	**3.11**	**-**

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

Footnotes:
[1] As burned fuel cost system total includes ignition.
[2] Fuel burned (MM BTU) system total excludes ignition.
[3] Fuel units burned and fuel cost dollars to be reported in July 2018.

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

(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1. TIA SOLAR	1.6	250	21.0	-	21.0	-	SOLAR	-	-	-	-	-	-
2. BIG BEND SOLAR	19.4	3,900	27.0	-	27.0	-	SOLAR	-	-	-	-	-	-
3. LEGOLAND SOLAR	1.5	270	24.2	-	24.2	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	-	-	-	-	-	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR [3]	**22.5**	**4,420**	**26.4**	**-**	**26.4**	**-**	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
6. B.B.#1 (GAS)	305	14,070	6.2	-	-	-	GAS	180,740	1,027,996	185,800.0	692,904	4.92	3.83
7. B.B.#1 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	**305**	**14,070**	**6.2**	**87.7**	**47.6**	**13,205**		**-**	**-**	**185,800.0**	**692,904**	**4.92**	**-**
9. B.B.#2 (GAS)	340	33,850	13.4	-	-	-	GAS	424,260	1,028,002	436,140.0	1,626,488	4.80	3.83
10. B.B.#2 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	**340**	**33,850**	**13.4**	**87.2**	**36.9**	**12,884**		**-**	**-**	**436,140.0**	**1,626,488**	**4.80**	**-**
12. B.B.#3 (GAS)	345	13,980	5.4	-	-	-	GAS	163,760	1,027,968	168,340.0	627,807	4.49	3.83
13. B.B.#3 (COAL)	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
14. TOTAL BIG BEND #3	**395**	**13,980**	**4.8**	**71.4**	**29.5**	**12,041**		**-**	**-**	**168,340.0**	**627,807**	**4.49**	**-**
15. B.B.#4 (GAS)	185	6,500	4.7	-	-	-	GAS	76,110	1,027,986	78,240.0	291,783	4.49	3.83
16. B.B.#4 (COAL)	437	123,450	38.0	-	-	-	COAL	66,070	22,499,016	1,486,510.0	4,641,077	3.76	70.24
17. TOTAL BIG BEND #4	**437**	**129,950**	**40.0**	**80.1**	**43.7**	**12,041**		**-**	**-**	**1,564,750.0**	**4,932,860**	**3.80**	**-**
18. B.B. IGNITION	-	-	-	-	-	-	GAS	29,640	-	30,470.0	113,631	-	3.83
19. BIG BEND 1-4 COAL TOTAL	**1,477**	**123,450**	**11.2**	**81.0**	**26.5**	**12,041**	**COAL**	**66,070**	**22,499,016**	**1,486,510.0**	**4,641,077**	**3.76**	**70.24**
20. B.B.C.T.#4 (OIL)	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	840	2.0	-	93.8	11,857	GAS	9,680	1,028,926	9,960.0	37,110	4.42	3.83
22. B.B.C.T.#4 TOTAL	**56**	**840**	**2.0**	**98.2**	**93.8**	**11,857**	**-**	**-**	**-**	**9,960.0**	**37,110**	**4.42**	**-**
23. BIG BEND STATION TOTAL	**1,533**	**192,690**	**16.9**	**81.6**	**41.3**	**12,274**	**-**	**-**	**-**	**2,364,990.0**	**8,030,800**	**4.17**	**-**
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	31,490	21.7	-	89.2	8,179	GAS	250,540	1,027,980	257,550.0	960,496	3.05	3.83
26. POLK #1 TOTAL	**220**	**31,490**	**19.2**	**91.0**	**89.2**	**8,179**	**-**	**-**	**-**	**257,550.0**	**960,496**	**3.05**	**-**
27. POLK #2 ST DUCT FIRING	120	8,810	9.9	-	68.0	8,278	GAS	70,940	1,028,052	72,930.0	271,963	3.09	3.83
28. POLK #2 ST W/O DUCT FIRING	341	635,950	-	-	-	-	GAS	4,174,160	1,027,998	4,291,030.0	16,002,496	2.52	3.83
29. POLK #2 ST TOTAL	**461**	**644,760**	**188.0**	**-**	**166.3**	**6,768**	**GAS**	**-**	**-**	**4,363,960.0**	**16,274,459**	**2.52**	**-**
30. POLK #2 CT (GAS)	150	900	0.8	-	100.0	11,278	GAS	9,870	1,028,369	10,150.0	37,839	4.20	3.83
31. POLK #2 CT (OIL)	159	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
32. POLK #2 TOTAL [4]	**150**	**900**	**0.8**	**-**	**100.0**	**11,278**	**-**	**-**	**-**	**10,150.0**	**37,839**	**4.20**	**-**
33. POLK #3 CT (GAS)	150	750	0.7	-	100.0	11,293	GAS	8,240	1,027,913	8,470.0	31,590	4.21	3.83
34. POLK #3 CT (OIL)	159	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
35. POLK #3 TOTAL [4]	**150**	**750**	**0.7**	**-**	**100.0**	**11,293**	**-**	**-**	**-**	**8,470.0**	**31,590**	**4.21**	**-**
36. POLK #4 CT (GAS) [4]	**150**	**600**	**0.5**	**-**	**100.0**	**11,200**	**GAS**	**6,530**	**1,029,096**	**6,720.0**	**25,034**	**4.17**	**3.83**
37. POLK #5 CT (GAS) [4]	**150**	**600**	**0.5**	**-**	**100.0**	**11,333**	**GAS**	**6,610**	**1,028,744**	**6,800.0**	**25,341**	**4.22**	**3.83**
38. POLK #2 CC TOTAL	**1,061**	**647,610**	**82.0**	**97.3**	**164.8**	**6,788**	**-**	**-**	**-**	**4,396,100.0**	**16,394,263**	**2.53**	**-**
39. POLK STATION TOTAL	**1,281**	**679,100**	**71.3**	**96.2**	**151.7**	**6,853**	**-**	**-**	**-**	**4,653,650.0**	**17,354,759**	**2.56**	**-**
40. BAYSIDE #1	701	442,140	84.8	96.5	87.8	7,294	GAS	3,137,090	1,028,000	3,224,930.0	12,026,676	2.72	3.83
41. BAYSIDE #2	929	456,060	66.0	96.1	72.8	7,427	GAS	3,294,930	1,027,998	3,387,180.0	12,631,788	2.77	3.83
42. BAYSIDE #3	56	480	1.2	98.6	95.2	11,938	GAS	5,580	1,026,882	5,730.0	21,392	4.46	3.83
43. BAYSIDE #4	56	380	0.9	98.6	96.9	11,868	GAS	4,380	1,029,680	4,510.0	16,792	4.42	3.83
44. BAYSIDE #5	56	660	1.6	98.6	90.7	11,985	GAS	7,700	1,027,273	7,910.0	29,520	4.47	3.83
45. BAYSIDE #6	56	540	1.3	98.6	96.4	11,759	GAS	6,170	1,029,173	6,350.0	23,654	4.38	3.83
46. BAYSIDE TOTAL	**1,854**	**900,260**	**65.3**	**96.6**	**79.6**	**7,372**	**GAS**	**6,455,850**	**1,027,999**	**6,636,610.0**	**24,749,822**	**2.75**	**3.83**
47. SYSTEM	**4,691**	**1,776,470**	**50.9**	**#VALUE!**	**93.3**	**7,687**	**-**	**-**	**-**	**13,655,250.0**	**50,135,381**	**2.82**	**-**

LEGEND:
B.B. = BIG BEND
NG = NATURAL GAS
CT = COMBUSTION TURBINE
CC = COMBINED CYCLE
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

SCHEDULE E4

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

(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1. TIA SOLAR	1.6	250	21.0	-	21.0	-	SOLAR	-	-	-	-	-	-
2. BIG BEND SOLAR	19.4	3,760	26.1	-	26.1	-	SOLAR	-	-	-	-	-	-
3. LEGOLAND SOLAR	1.5	250	22.4	-	22.4	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	-	-	-	-	-	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR [3]	**22.5**	**4,260**	**25.4**	**-**	**25.4**	**-**	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
6. B.B.#1 (GAS)	305	0	0.0	-	-	-	GAS	0	0	0.0	0	0.00	0.00
7. B.B.#1 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	**305**	**0**	**0.0**	**87.7**	**0.0**	**0**		**-**	**-**	**0.0**	**0**	**0.00**	**-**
9. B.B.#2 (GAS)	340	14,740	5.8	-	-	-	GAS	177,820	1,028,006	182,800.0	682,548	4.63	3.84
10. B.B.#2 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	**340**	**14,740**	**5.8**	**87.2**	**41.7**	**12,402**		**-**	**-**	**182,800.0**	**682,548**	**4.63**	**-**
12. B.B.#3 (GAS)	345	15,790	6.2	-	-	-	GAS	185,750	1,027,995	190,950.0	712,987	4.52	3.84
13. B.B.#3 (COAL)	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
14. TOTAL BIG BEND #3	**395**	**15,790**	**5.4**	**71.4**	**29.0**	**12,093**		**-**	**-**	**190,950.0**	**712,987**	**4.52**	**-**
15. B.B.#4 (GAS)	185	6,620	4.8	-	-	-	GAS	77,180	1,027,987	79,340.0	296,249	4.48	3.84
16. B.B.#4 (COAL)	437	125,780	38.7	-	-	-	COAL	67,000	22,500,299	1,507,520.0	4,704,484	3.74	70.22
17. TOTAL BIG BEND #4	**437**	**132,400**	**40.7**	**80.1**	**44.6**	**11,985**		**-**	**-**	**1,586,860.0**	**5,000,733**	**3.78**	**-**
18. B.B. IGNITION	-	-	-	-	-	-	GAS	19,210	-	19,740.0	73,736	-	3.84
19. BIG BEND 1-4 COAL TOTAL	**1,477**	**125,780**	**11.4**	**81.0**	**32.5**	**11,985**	**COAL**	**67,000**	**22,500,299**	**1,507,520.0**	**4,704,484**	**3.74**	**70.22**
20. B.B.C.T.#4 (OIL)	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	1,190	2.9	-	96.6	11,807	GAS	13,670	1,027,798	14,050.0	52,471	4.41	3.84
22. B.B.C.T.#4 TOTAL	**56**	**1,190**	**2.9**	**98.2**	**96.6**	**11,807**	**-**	**-**	**-**	**14,050.0**	**52,471**	**4.41**	**-**
23. BIG BEND STATION TOTAL	**1,533**	**164,120**	**14.4**	**81.6**	**42.3**	**12,032**	**-**	**-**	**-**	**1,974,660.0**	**6,522,476**	**3.97**	**-**
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	23,010	15.9	-	90.8	8,192	GAS	183,360	1,028,032	188,500.0	703,813	3.06	3.84
26. POLK #1 TOTAL	**220**	**23,010**	**14.1**	**91.0**	**90.8**	**8,192**	**-**	**-**	**-**	**188,500.0**	**703,813**	**3.06**	**-**
27. POLK #2 ST DUCT FIRING	120	9,390	10.5	-	76.0	8,274	GAS	75,570	1,028,053	77,690.0	290,070	3.09	3.84
28. POLK #2 ST W/O DUCT FIRING	341	639,400	-	-	-	-	GAS	4,197,280	1,027,999	4,314,800.0	16,110,933	2.52	3.84
29. POLK #2 ST TOTAL	**461**	**648,790**	**189.2**	**-**	**168.3**	**6,770**	**GAS**	**-**	**-**	**4,392,490.0**	**16,401,003**	**2.53**	**-**
30. POLK #2 CT (GAS)	150	740	0.7	-	98.7	11,284	GAS	8,120	1,028,325	8,350.0	31,168	4.21	3.84
31. POLK #2 CT (OIL)	159	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
32. POLK #2 TOTAL [4]	**150**	**740**	**0.7**	**-**	**98.7**	**11,284**	**-**	**-**	**-**	**8,350.0**	**31,168**	**4.21**	**-**
33. POLK #3 CT (GAS)	150	600	0.5	-	100.0	11,250	GAS	6,570	1,027,397	6,750.0	25,218	4.20	3.84
34. POLK #3 CT (OIL)	159	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
35. POLK #3 TOTAL [4]	**150**	**600**	**0.5**	**-**	**100.0**	**11,250**	**-**	**-**	**-**	**6,750.0**	**25,218**	**4.20**	**-**
36. POLK #4 CT (GAS) [4]	**150**	**0**	**0.0**	**-**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
37. POLK #5 CT (GAS) [4]	**150**	**0**	**0.0**	**-**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
38. POLK #2 CC TOTAL	**1,061**	**650,130**	**82.4**	**97.3**	**167.6**	**6,780**	**-**	**-**	**-**	**4,407,590.0**	**16,457,389**	**2.53**	**-**
39. POLK STATION TOTAL	**1,281**	**673,140**	**70.6**	**96.2**	**157.4**	**6,828**	**-**	**-**	**-**	**4,596,090.0**	**17,161,202**	**2.55**	**-**
40. BAYSIDE #1	701	446,530	85.6	96.5	88.6	7,290	GAS	3,166,370	1,028,001	3,255,030.0	12,153,865	2.72	3.84
41. BAYSIDE #2	929	508,080	73.5	96.1	76.8	7,397	GAS	3,656,120	1,028,002	3,758,500.0	14,033,732	2.76	3.84
42. BAYSIDE #3	56	600	1.4	98.6	97.4	11,833	GAS	6,900	1,028,986	7,100.0	26,485	4.41	3.84
43. BAYSIDE #4	56	370	0.9	98.6	94.4	12,054	GAS	4,340	1,027,650	4,460.0	16,659	4.50	3.84
44. BAYSIDE #5	56	1,030	2.5	98.6	96.8	11,777	GAS	11,810	1,027,096	12,130.0	45,332	4.40	3.84
45. BAYSIDE #6	56	880	2.1	98.6	98.2	11,807	GAS	10,110	1,027,695	10,390.0	38,806	4.41	3.84
46. BAYSIDE TOTAL	**1,854**	**957,490**	**69.4**	**96.6**	**81.9**	**7,361**	**GAS**	**6,855,650**	**1,028,000**	**7,047,610.0**	**26,314,879**	**2.75**	**3.84**
47. SYSTEM	**4,691**	**1,799,010**	**51.6**	**#VALUE!**	**97.3**	**7,570**	**-**	**-**	**-**	**13,618,360.0**	**49,998,557**	**2.78**	**-**

LEGEND:
B.B. = BIG BEND
NG = NATURAL GAS
CT = COMBUSTION TURBINE
CC = COMBINED CYCLE
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

SCHEDULE E4

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

(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1. TIA SOLAR	1.6	220	19.1	-	19.1	-	SOLAR	-	-	-	-	-	-
2. BIG BEND SOLAR	19.4	3,110	22.3	-	22.3	-	SOLAR	-	-	-	-	-	-
3. LEGOLAND SOLAR	1.5	210	19.4	-	19.4	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	144.7	24,920	23.9	-	23.9	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR [3]	**167.2**	**28,460**	**23.6**	**-**	**23.6**	**-**	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
6. B.B.#1 (GAS)	305	7,160	3.3	-	-	-	GAS	96,250	1,028,052	98,950.0	369,510	5.16	3.84
7. B.B.#1 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	**305**	**7,160**	**3.3**	**87.7**	**41.9**	**13,820**		**-**	**-**	**98,950.0**	**369,510**	**5.16**	**-**
9. B.B.#2 (GAS)	340	12,700	5.2	-	-	-	GAS	156,340	1,028,016	160,720.0	600,200	4.73	3.84
10. B.B.#2 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	**340**	**12,700**	**5.2**	**87.2**	**38.9**	**12,655**		**-**	**-**	**160,720.0**	**600,200**	**4.73**	**-**
12. B.B.#3 (GAS)	345	3,510	1.4	-	-	-	GAS	41,340	1,028,060	42,500.0	158,707	4.52	3.84
13. B.B.#3 (COAL)	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
14. TOTAL BIG BEND #3	**395**	**3,510**	**1.2**	**47.6**	**28.7**	**12,108**		**-**	**-**	**42,500.0**	**158,707**	**4.52**	**-**
15. B.B.#4 (GAS)	185	6,040	4.5	-	-	-	GAS	71,580	1,027,941	73,580.0	274,800	4.55	3.84
16. B.B.#4 (COAL)	437	114,680	36.4	-	-	-	COAL	62,130	22,501,529	1,398,020.0	4,294,231	3.74	69.12
17. TOTAL BIG BEND #4	**437**	**120,720**	**38.4**	**80.1**	**42.0**	**12,190**		**-**	**-**	**1,471,600.0**	**4,569,031**	**3.78**	**-**
18. B.B. IGNITION	-	-	-	-	-	-	GAS	24,630	-	25,320.0	94,556	-	3.84
19. BIG BEND 1-4 COAL TOTAL	**1,477**	**114,680**	**10.8**	**74.6**	**32.8**	**12,191**	**COAL**	**62,130**	**22,501,529**	**1,398,020.0**	**4,294,231**	**3.74**	**69.12**
20. B.B.C.T.#4 (OIL)	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	780	1.9	-	99.5	11,846	GAS	8,990	1,027,809	9,240.0	34,513	4.42	3.84
22. B.B.C.T.#4 TOTAL	**56**	**780**	**1.9**	**98.2**	**99.5**	**11,846**	**-**	**-**	**-**	**9,240.0**	**34,513**	**4.42**	**-**
23. BIG BEND STATION TOTAL	**1,533**	**144,870**	**13.1**	**75.5**	**41.4**	**12,308**	**-**	**-**	**-**	**1,783,010.0**	**5,826,517**	**4.02**	**-**
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	3,910	2.8	-	83.5	8,159	GAS	31,020	1,028,369	31,900.0	119,088	3.05	3.84
26. POLK #1 TOTAL	**220**	**3,910**	**2.5**	**36.4**	**83.5**	**8,159**	**-**	**-**	**-**	**31,900.0**	**119,088**	**3.05**	**-**
27. POLK #2 ST DUCT FIRING	120	6,290	7.3	-	69.9	8,277	GAS	50,640	1,028,041	52,060.0	194,410	3.09	3.84
28. POLK #2 ST W/O DUCT FIRING	341	618,690	-	-	-	-	GAS	4,061,450	1,028,000	4,175,170.0	15,592,167	2.52	3.84
29. POLK #2 ST TOTAL	**461**	**624,980**	**188.3**	**-**	**172.7**	**6,764**	**GAS**	**-**	**-**	**4,227,230.0**	**15,786,577**	**2.53**	**-**
30. POLK #2 CT (GAS)	150	450	0.4	-	100.0	11,378	GAS	4,990	1,026,052	5,120.0	19,157	4.26	3.84
31. POLK #2 CT (OIL)	159	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
32. POLK #2 TOTAL [4]	**150**	**450**	**0.4**	**-**	**100.0**	**11,378**	**-**	**-**	**-**	**5,120.0**	**19,157**	**4.26**	**-**
33. POLK #3 CT (GAS)	150	450	0.4	-	100.0	11,378	GAS	4,990	1,026,052	5,120.0	19,157	4.26	3.84
34. POLK #3 CT (OIL)	159	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
35. POLK #3 TOTAL [4]	**150**	**450**	**0.4**	**-**	**100.0**	**11,378**	**-**	**-**	**-**	**5,120.0**	**19,157**	**4.26**	**-**
36. POLK #4 CT (GAS) [4]	**150**	**300**	**0.3**	**-**	**100.0**	**11,500**	**GAS**	**3,360**	**1,026,786**	**3,450.0**	**12,899**	**4.30**	**3.84**
37. POLK #5 CT (GAS) [4]	**150**	**300**	**0.3**	**-**	**100.0**	**11,500**	**GAS**	**3,360**	**1,026,786**	**3,450.0**	**12,899**	**4.30**	**3.84**
38. POLK #2 CC TOTAL	**1,061**	**626,480**	**82.0**	**97.3**	**171.8**	**6,775**	**-**	**-**	**-**	**4,244,370.0**	**15,850,689**	**2.53**	**-**
39. POLK STATION TOTAL	**1,281**	**630,390**	**68.3**	**86.9**	**169.2**	**6,784**	**-**	**-**	**-**	**4,276,270.0**	**15,969,777**	**2.53**	**-**
40. BAYSIDE #1	701	429,870	85.2	96.5	89.1	7,287	GAS	3,047,250	1,027,999	3,132,570.0	11,698,588	2.72	3.84
41. BAYSIDE #2	929	505,530	75.6	96.1	78.6	7,384	GAS	3,631,340	1,027,998	3,733,010.0	13,940,947	2.76	3.84
42. BAYSIDE #3	56	500	1.2	98.6	99.2	11,960	GAS	5,810	1,029,260	5,980.0	22,305	4.46	3.84
43. BAYSIDE #4	56	220	0.5	98.6	98.2	12,273	GAS	2,620	1,030,534	2,700.0	10,058	4.57	3.84
44. BAYSIDE #5	56	670	1.7	98.6	99.7	11,791	GAS	7,680	1,028,646	7,900.0	29,484	4.40	3.84
45. BAYSIDE #6	56	620	1.5	98.6	100.6	11,806	GAS	7,120	1,028,090	7,320.0	27,334	4.41	3.84
46. BAYSIDE TOTAL	**1,854**	**937,410**	**70.2**	**96.6**	**83.2**	**7,349**	**GAS**	**6,701,820**	**1,028,001**	**6,889,480.0**	**25,728,716**	**2.74**	**3.84**
47. SYSTEM	**4,835**	**1,741,130**	**50.0**	**#VALUE!**	**100.3**	**7,437**	**-**	**-**	**-**	**12,948,760.0**	**47,525,010**	**2.73**	**-**

LEGEND:
B.B. = BIG BEND
NG = NATURAL GAS
CT = COMBUSTION TURBINE
CC = COMBINED CYCLE
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

SCHEDULE E4

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

(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1. TIA SOLAR	1.6	250	21.0	-	21.0	-	SOLAR	-	-	-	-	-	-
2. BIG BEND SOLAR	19.4	3,200	22.2	-	22.2	-	SOLAR	-	-	-	-	-	-
3. LEGOLAND SOLAR	1.5	210	18.8	-	18.8	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	144.7	25,760	23.9	-	23.9	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR [3]	**167.2**	**29,420**	**23.7**	**-**	**23.7**	**-**	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
6. B.B.#1 (GAS)	305	23,920	10.5	-	-	-	GAS	313,290	1,027,993	322,060.0	1,263,912	5.28	4.03
7. B.B.#1 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	**305**	**23,920**	**10.5**	**87.7**	**45.1**	**13,464**		**-**	**-**	**322,060.0**	**1,263,912**	**5.28**	**-**
9. B.B.#2 (GAS)	340	26,440	10.5	-	-	-	GAS	336,800	1,027,999	346,230.0	1,358,759	5.14	4.03
10. B.B.#2 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	**340**	**26,440**	**10.5**	**87.2**	**35.0**	**13,095**		**-**	**-**	**346,230.0**	**1,358,759**	**5.14**	**-**
12. B.B.#3 (GAS)	345	33,300	13.0	-	-	-	GAS	382,030	1,028,008	392,730.0	1,541,231	4.63	4.03
13. B.B.#3 (COAL)	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
14. TOTAL BIG BEND #3	**395**	**33,300**	**11.3**	**71.4**	**32.7**	**11,794**		**-**	**-**	**392,730.0**	**1,541,231**	**4.63**	**-**
15. B.B.#4 (GAS)	185	9,490	6.9	-	-	-	GAS	101,200	1,027,964	104,030.0	408,273	4.30	4.03
16. B.B.#4 (COAL)	437	180,340	55.5	-	-	-	COAL	87,850	22,499,146	1,976,550.0	6,042,214	3.35	68.78
17. TOTAL BIG BEND #4	**437**	**189,830**	**58.4**	**80.1**	**63.9**	**10,960**		**-**	**-**	**2,080,580.0**	**6,450,487**	**3.40**	**-**
18. B.B. IGNITION	-	-	-	-	-	-	GAS	48,840	-	50,210.0	197,036	-	4.03
19. BIG BEND 1-4 COAL TOTAL	**1,477**	**180,340**	**16.4**	**81.0**	**34.2**	**10,960**	**COAL**	**87,850**	**22,499,146**	**1,976,550.0**	**6,042,214**	**3.35**	**68.78**
20. B.B.C.T.#4 (OIL)	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	2,700	6.5	-	98.4	11,770	GAS	30,920	1,027,814	31,780.0	124,741	4.62	4.03
22. B.B.C.T.#4 TOTAL	**56**	**2,700**	**6.5**	**98.2**	**98.4**	**11,770**	**-**	**-**	**-**	**31,780.0**	**124,741**	**4.62**	**-**
23. BIG BEND STATION TOTAL	**1,533**	**276,190**	**24.2**	**81.6**	**52.1**	**11,490**	**-**	**-**	**-**	**3,173,380.0**	**10,936,167**	**3.96**	**-**
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 ST DUCT FIRING	120	13,130	14.7	-	64.7	8,273	GAS	105,670	1,028,012	108,630.0	426,307	3.25	4.03
28. POLK #2 ST W/O DUCT FIRING	341	582,030	-	-	-	-	GAS	3,814,380	1,027,999	3,921,180.0	15,388,431	2.64	4.03
29. POLK #2 ST TOTAL	**461**	**595,160**	**173.5**	**-**	**143.1**	**6,771**	**GAS**	**-**	**-**	**4,029,810.0**	**15,814,738**	**2.66**	**-**
30. POLK #2 CT (GAS)	150	150	0.1	-	100.0	11,800	GAS	1,730	1,023,121	1,770.0	6,979	4.65	4.03
31. POLK #2 CT (OIL)	159	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
32. POLK #2 TOTAL [4]	**150**	**150**	**0.1**	**-**	**100.0**	**11,800**	**-**	**-**	**-**	**1,770.0**	**6,979**	**4.65**	**-**
33. POLK #3 CT (GAS)	150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK #3 CT (OIL)	159	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
35. POLK #3 TOTAL [4]	**150**	**0**	**0.0**	**-**	**0.0**	**0**	**-**	**-**	**-**	**0.0**	**0**	**0.00**	**-**
36. POLK #4 CT (GAS) [4]	**150**	**0**	**0.0**	**-**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
37. POLK #5 CT (GAS) [4]	**150**	**0**	**0.0**	**-**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
38. POLK #2 CC TOTAL	**1,061**	**595,310**	**75.4**	**97.3**	**143.1**	**6,772**	**-**	**-**	**-**	**4,031,580.0**	**15,821,717**	**2.66**	**-**
39. POLK STATION TOTAL	**1,281**	**595,310**	**62.5**	**80.6**	**143.1**	**6,772**	**-**	**-**	**-**	**4,031,580.0**	**15,821,717**	**2.66**	**-**
40. BAYSIDE #1	701	13,970	2.7	3.1	83.0	7,310	GAS	99,340	1,027,985	102,120.0	400,769	2.87	4.03
41. BAYSIDE #2	929	544,090	78.7	96.1	81.9	7,372	GAS	3,901,700	1,027,998	4,010,940.0	15,740,708	2.89	4.03
42. BAYSIDE #3	56	1,600	3.8	98.6	98.5	11,813	GAS	18,390	1,027,732	18,900.0	74,191	4.64	4.03
43. BAYSIDE #4	56	1,050	2.5	98.6	98.7	11,829	GAS	12,080	1,028,146	12,420.0	48,735	4.64	4.03
44. BAYSIDE #5	56	2,390	5.7	98.6	97.0	11,770	GAS	27,360	1,028,143	28,130.0	110,379	4.62	4.03
45. BAYSIDE #6	56	1,980	4.8	98.6	98.2	11,732	GAS	22,590	1,028,331	23,230.0	91,135	4.60	4.03
46. BAYSIDE TOTAL	**1,854**	**565,080**	**41.0**	**61.2**	**82.1**	**7,425**	**GAS**	**4,081,460**	**1,028,000**	**4,195,740.0**	**16,465,917**	**2.91**	**4.03**
47. SYSTEM	**4,835**	**1,466,000**	**40.8**	**#VALUE!**	**98.5**	**7,777**	**-**	**-**	**-**	**11,400,700.0**	**43,223,801**	**2.95**	**-**

LEGEND:
B.B. = BIG BEND
NG = NATURAL GAS
CT = COMBUSTION TURBINE
CC = COMBINED CYCLE
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

SCHEDULE E4

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

(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1. TIA SOLAR	1.6	230	20.0	-	20.0	-	SOLAR	-	-	-	-	-	-
2. BIG BEND SOLAR	19.4	2,710	19.4	-	19.4	-	SOLAR	-	-	-	-	-	-
3. LEGOLAND SOLAR	1.5	170	15.7	-	15.7	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	144.7	22,160	21.3	-	21.3	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR [3]	**167.2**	**25,270**	**21.0**	**-**	**21.0**	**-**	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
6. B.B.#1 (GAS)	305	0	0.0	-	-	-	GAS	0	0	0.0	0	0.00	0.00
7. B.B.#1 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	**305**	**0**	**0.0**	**73.1**	**0.0**	**0**		**-**	**-**	**0.0**	**0**	**0.00**	**-**
9. B.B.#2 (GAS)	340	37,610	15.4	-	-	-	GAS	449,560	1,028,027	462,160.0	1,813,020	4.82	4.03
10. B.B.#2 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	**340**	**37,610**	**15.4**	**72.7**	**43.0**	**12,288**		**-**	**-**	**462,160.0**	**1,813,020**	**4.82**	**-**
12. B.B.#3 (GAS)	345	5,380	2.2	-	-	-	GAS	63,530	1,028,018	65,310.0	256,209	4.76	4.03
13. B.B.#3 (COAL)	395	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
14. TOTAL BIG BEND #3	**395**	**5,380**	**1.9**	**71.4**	**28.4**	**12,139**		**-**	**-**	**65,310.0**	**256,209**	**4.76**	**-**
15. B.B.#4 (GAS)	185	5,790	4.3	-	-	-	GAS	62,440	1,028,027	64,190.0	251,813	4.35	4.03
16. B.B.#4 (COAL)	437	109,960	34.9	-	-	-	COAL	54,200	22,501,107	1,219,560.0	3,858,824	3.51	71.20
17. TOTAL BIG BEND #4	**437**	**115,750**	**36.8**	**53.4**	**60.3**	**11,091**		**-**	**-**	**1,283,750.0**	**4,110,637**	**3.55**	**-**
18. B.B. IGNITION	-	-	-	-	-	-	GAS	21,710	-	22,310.0	87,554	-	4.03
19. BIG BEND 1-4 COAL TOTAL	**1,477**	**109,960**	**10.3**	**66.7**	**36.9**	**11,091**	**COAL**	**54,200**	**22,501,107**	**1,219,560.0**	**3,858,824**	**3.51**	**71.20**
20. B.B.C.T.#4 (OIL)	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	1,610	4.0	-	92.7	11,907	GAS	18,650	1,027,882	19,170.0	75,213	4.67	4.03
22. B.B.C.T.#4 TOTAL	**56**	**1,610**	**4.0**	**98.2**	**92.7**	**11,907**	**-**	**-**	**-**	**19,170.0**	**75,213**	**4.67**	**-**
23. BIG BEND STATION TOTAL	**1,533**	**160,350**	**14.5**	**67.9**	**53.5**	**11,415**	**-**	**-**	**-**	**1,830,390.0**	**6,342,633**	**3.96**	**-**
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**	**39.4**	**0.0**	**0**	**-**	**-**	**-**	**0.0**	**0**	**0.00**	**-**
27. POLK #2 ST DUCT FIRING	120	10,330	12.0	-	68.9	8,277	GAS	83,170	1,028,015	85,500.0	335,414	3.25	4.03
28. POLK #2 ST W/O DUCT FIRING	341	566,710	-	-	-	-	GAS	3,714,440	1,027,999	3,818,440.0	14,979,881	2.64	4.03
29. POLK #2 ST TOTAL	**461**	**577,040**	**173.8**	**-**	**149.9**	**6,765**	**GAS**	**-**	**-**	**3,903,940.0**	**15,315,295**	**2.65**	**-**
30. POLK #2 CT (GAS)	150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
31. POLK #2 CT (OIL)	159	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
32. POLK #2 TOTAL [4]	**150**	**0**	**0.0**	**-**	**0.0**	**0**	**-**	**-**	**-**	**0.0**	**0**	**0.00**	**-**
33. POLK #3 CT (GAS)	150	0	0.0	-	0.0	0	GAS	0	0	0.0	0	0.00	0.00
34. POLK #3 CT (OIL)	159	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
35. POLK #3 TOTAL [4]	**150**	**0**	**0.0**	**-**	**0.0**	**0**	**-**	**-**	**-**	**0.0**	**0**	**0.00**	**-**
36. POLK #4 CT (GAS) [4]	**150**	**0**	**0.0**	**-**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
37. POLK #5 CT (GAS) [4]	**150**	**0**	**0.0**	**-**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
38. POLK #2 CC TOTAL	**1,061**	**577,040**	**75.5**	**97.3**	**149.9**	**6,765**	**-**	**-**	**-**	**3,903,940.0**	**15,315,295**	**2.65**	**-**
39. POLK STATION TOTAL	**1,281**	**577,040**	**62.6**	**87.4**	**149.9**	**6,765**	**-**	**-**	**-**	**3,903,940.0**	**15,315,295**	**2.65**	**-**
40. BAYSIDE #1	701	333,230	66.0	57.9	86.4	7,301	GAS	2,366,770	1,027,996	2,433,030.0	9,544,893	2.86	4.03
41. BAYSIDE #2	929	201,870	30.2	57.7	63.7	7,495	GAS	1,471,820	1,027,999	1,513,030.0	5,935,670	2.94	4.03
42. BAYSIDE #3	56	520	1.3	98.6	92.9	12,135	GAS	6,140	1,027,687	6,310.0	24,762	4.76	4.03
43. BAYSIDE #4	56	200	0.5	98.6	89.3	12,600	GAS	2,440	1,032,787	2,520.0	9,840	4.92	4.03
44. BAYSIDE #5	56	1,240	3.1	98.6	88.6	11,992	GAS	14,480	1,026,934	14,870.0	58,396	4.71	4.03
45. BAYSIDE #6	56	880	2.2	98.6	92.4	12,057	GAS	10,320	1,028,101	10,610.0	41,619	4.73	4.03
46. BAYSIDE TOTAL	**1,854**	**537,940**	**40.3**	**62.7**	**76.3**	**7,399**	**GAS**	**3,871,970**	**1,027,996**	**3,980,370.0**	**15,615,180**	**2.90**	**4.03**
47. SYSTEM	**4,835**	**1,300,600**	**37.4**	**#VALUE!**	**103.0**	**7,469**	**-**	**-**	**-**	**9,714,700.0**	**37,273,108**	**2.87**	**-**

LEGEND:
B.B. = BIG BEND
NG = NATURAL GAS
CT = COMBUSTION TURBINE
CC = COMBINED CYCLE
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: DECEMBER 2018

(A) PLANT/UNIT	(B) NET CAPA-BILITY (MW)	(C) NET GENERATION (MWH)	(D) NET CAPACITY FACTOR (%)	(E) EQUIV. AVAIL. FACTOR (%)	(F) NET OUTPUT FACTOR (%)	(G) AVG. NET HEAT RATE (BTU/KWH)	(H) FUEL TYPE	(I) FUEL BURNED (UNITS)	(J) FUEL HEAT VALUE (BTU/UNIT)	(K) FUEL BURNED (MM BTU) [2]	(L) AS BURNED FUEL COST ($) [1]	(M) FUEL COST PER KWH (cents/KWH)	(N) COST OF FUEL ($/UNIT)
1. TIA SOLAR	1.6	220	18.5	-	18.5	-	SOLAR	-	-	-	-	-	-
2. BIG BEND SOLAR	19.4	2,410	16.7	-	16.7	-	SOLAR	-	-	-	-	-	-
3. LEGOLAND SOLAR	1.5	150	13.4	-	13.4	-	SOLAR	-	-	-	-	-	-
4. FUTURE SOLAR	144.7	19,430	18.0	-	18.0	-	SOLAR	-	-	-	-	-	-
5. TOTAL SOLAR [3]	**167.2**	**22,210**	**17.9**	**-**	**17.9**	**-**	**SOLAR**	**-**	**-**	**-**	**-**	**-**	**-**
6. B.B.#1 (GAS)	315	0	0.0	-	-	-	GAS	0	0	0.0	0	0.00	0.00
7. B.B.#1 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
8. TOTAL BIG BEND #1	**315**	**0**	**0.0**	**50.9**	**0.0**	**0**		**-**	**-**	**0.0**	**0**	**0.00**	**-**
9. B.B.#2 (GAS)	350	0	0.0	-	-	-	GAS	0	0	0.0	0	0.00	0.00
10. B.B.#2 (COAL)	0	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
11. TOTAL BIG BEND #2	**350**	**0**	**0.0**	**50.7**	**0.0**	**0**		**-**	**-**	**0.0**	**0**	**0.00**	**-**
12. B.B.#3 (GAS)	355	9,240	3.5	-	-	-	GAS	101,770	1,027,906	104,610.0	423,844	4.59	4.16
13. B.B.#3 (COAL)	400	0	0.0	-	-	-	COAL	0	0	0.0	0	0.00	0.00
14. TOTAL BIG BEND #3	**400**	**9,240**	**3.1**	**71.4**	**39.2**	**11,321**		**-**	**-**	**104,610.0**	**423,844**	**4.59**	**-**
15. B.B.#4 (GAS)	195	11,050	7.6	-	-	-	GAS	113,220	1,027,999	116,390.0	471,530	4.27	4.16
16. B.B.#4 (COAL)	442	210,020	63.9	-	-	-	COAL	98,280	22,500,712	2,211,370.0	7,175,158	3.42	73.01
17. TOTAL BIG BEND #4	**442**	**221,070**	**67.2**	**80.1**	**73.6**	**10,530**		**-**	**-**	**2,327,760.0**	**7,646,688**	**3.46**	**-**
18. B.B. IGNITION	-	-	-	-	-	-	GAS	9,190	-	9,440.0	38,274	-	4.16
19. BIG BEND 1-4 COAL TOTAL	**1,507**	**210,020**	**18.7**	**64.9**	**64.8**	**10,529**	**COAL**	**98,280**	**22,500,712**	**2,211,370.0**	**7,175,158**	**3.42**	**73.01**
20. B.B.C.T.#4 (OIL)	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	970	2.1	-	88.3	11,876	GAS	11,210	1,027,654	11,520.0	46,687	4.81	4.16
22. B.B.C.T.#4 TOTAL	**61**	**970**	**2.1**	**98.2**	**88.3**	**11,876**	**-**	**-**	**-**	**11,520.0**	**46,687**	**4.81**	**-**
23. BIG BEND STATION TOTAL	**1,568**	**231,280**	**19.8**	**66.2**	**71.1**	**10,567**	**-**	**-**	**-**	**2,443,890.0**	**8,155,493**	**3.53**	**-**
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)	205	24,310	15.9	-	85.9	8,157	GAS	192,890	1,028,047	198,300.0	803,334	3.30	4.16
26. POLK #1 TOTAL	**220**	**24,310**	**14.9**	**91.0**	**85.9**	**8,157**	**-**	**-**	**-**	**198,300.0**	**803,334**	**3.30**	**-**
27. POLK #2 ST DUCT FIRING	120	270	0.3	-	45.0	8,259	GAS	2,170	1,027,650	2,230.0	9,037	3.35	4.16
28. POLK #2 ST W/O DUCT FIRING	360	346,330	-	-	-	-	GAS	2,275,580	1,028,006	2,339,310.0	9,477,172	2.74	4.16
29. POLK #2 ST TOTAL	**480**	**346,600**	**97.1**	**-**	**177.4**	**6,756**	**GAS**	**-**	**-**	**2,341,540.0**	**9,486,209**	**2.74**	**-**
30. POLK #2 CT (GAS)	180	3,410	2.5	-	99.7	10,850	GAS	36,000	1,027,778	37,000.0	149,931	4.40	4.16
31. POLK #2 CT (OIL)	187	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
32. POLK #2 TOTAL [4]	**180**	**3,410**	**2.5**	**-**	**99.7**	**10,850**	**-**	**-**	**-**	**37,000.0**	**149,931**	**4.40**	**-**
33. POLK #3 CT (GAS)	180	2,700	2.0	-	100.0	10,893	GAS	28,610	1,027,962	29,410.0	119,153	4.41	4.16
34. POLK #3 CT (OIL)	187	0	0.0	-	0.0	0	LGT OIL	0	0	0.0	0	0.00	0.00
35. POLK #3 TOTAL [4]	**180**	**2,700**	**2.0**	**-**	**100.0**	**10,893**	**-**	**-**	**-**	**29,410.0**	**119,153**	**4.41**	**-**
36. POLK #4 CT (GAS) [4]	**180**	**1,740**	**1.3**	**-**	**96.7**	**11,000**	**GAS**	**18,610**	**1,028,479**	**19,140.0**	**77,506**	**4.45**	**4.16**
37. POLK #5 CT (GAS) [4]	**180**	**0**	**0.0**	**-**	**0.0**	**0**	**GAS**	**0**	**0**	**0.0**	**0**	**0.00**	**0.00**
38. POLK #2 CC TOTAL	**1,200**	**354,450**	**39.7**	**53.4**	**169.8**	**6,847**	**-**	**-**	**-**	**2,427,090.0**	**9,832,799**	**2.77**	**-**
39. POLK STATION TOTAL	**1,420**	**378,760**	**35.9**	**59.2**	**150.1**	**6,932**	**-**	**-**	**-**	**2,625,390.0**	**10,636,133**	**2.81**	**-**
40. BAYSIDE #1	792	461,210	78.3	96.5	81.0	7,209	GAS	3,234,510	1,027,998	3,325,070.0	13,470,855	2.92	4.16
41. BAYSIDE #2	1,047	371,810	47.7	96.1	59.1	7,445	GAS	2,692,900	1,028,000	2,768,300.0	11,215,197	3.02	4.16
42. BAYSIDE #3	61	520	1.1	98.6	94.7	11,769	GAS	5,960	1,026,846	6,120.0	24,822	4.77	4.16
43. BAYSIDE #4	61	360	0.8	98.6	98.4	11,694	GAS	4,100	1,026,829	4,210.0	17,075	4.74	4.16
44. BAYSIDE #5	61	860	1.9	98.6	94.0	11,744	GAS	9,830	1,027,467	10,100.0	40,939	4.76	4.16
45. BAYSIDE #6	61	750	1.7	98.6	94.6	11,573	GAS	8,440	1,028,436	8,680.0	35,150	4.69	4.16
46. BAYSIDE TOTAL	**2,083**	**835,510**	**53.9**	**96.6**	**69.5**	**7,328**	**GAS**	**5,955,740**	**1,027,997**	**6,122,480.0**	**24,804,038**	**2.97**	**4.16**
47. SYSTEM	**5,238**	**1,467,760**	**37.7**	**#VALUE!**	**85.8**	**7,625**	**-**	**-**	**-**	**11,191,760.0**	**43,595,664**	**2.97**	**-**

LEGEND:
B.B. = BIG BEND
NG = NATURAL GAS
CT = COMBUSTION TURBINE
CC = COMBINED CYCLE
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 **SCHEDULE E5**
SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
ACTUAL FOR THE PERIOD: JANUARY 2018 THROUGH JUNE 2018

	ACTUAL					
	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)	0	0	0	0	0	0
20. UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00
21. AMOUNT ($)	0	0	0	0	0	0
22. ENDING INVENTORY:						
23. UNITS (BBL)	44,403	44,403	44,403	44,403	44,403	44,403
24. UNIT COST ($/BBL)	127.48	127.48	127.48	127.48	127.48	127.48
25. AMOUNT ($)	5,660,638	5,660,638	5,660,638	5,660,638	5,660,638	5,660,638
26. DAYS SUPPLY: NORMAL	3,001	3,001	3,001	3,001	3,001	3,001
27. DAYS SUPPLY: EMERGENCY	6	6	6	6	6	6
COAL						
28. PURCHASES:						
29. UNITS (TONS)	133,049	86,880	83,627	130,252	230,472	260,860
30. UNIT COST ($/TON)	83.64	90.55	71.93	79.96	67.07	71.95
31. AMOUNT ($)	11,127,807	7,866,740	6,014,935	10,415,414	15,457,493	18,768,322
32. BURNED:						
33. UNITS (TONS)	233,862	86,451	63,181	191,953	215,721	183,229
34. UNIT COST ($/TON)	76.50	95.24	86.29	79.44	75.09	78.88
35. AMOUNT ($)	17,890,470	8,233,375	5,451,681	15,248,389	16,197,897	14,452,331
36. ENDING INVENTORY:						
37. UNITS (TONS)	324,353	324,782	345,228	283,527	298,278	375,909
38. UNIT COST ($/TON)	73.30	76.51	75.13	76.75	72.64	72.09
39. AMOUNT ($)	23,773,496	24,847,480	25,938,049	21,759,922	21,666,413	27,098,787
40. DAYS SUPPLY:	48	54	59	46	44	55
NATURAL GAS						
41. PURCHASES:						
42. UNITS (MCF)	8,664,425	8,116,680	8,936,751	8,108,085	9,242,618	11,103,345
43. UNIT COST ($/MCF)	4.72	4.29	3.53	3.85	3.97	3.90
44. AMOUNT ($)	40,926,196	34,808,915	31,554,693	31,217,274	36,661,054	43,357,865
45. BURNED:						
46. UNITS (MCF)	8,631,381	8,357,157	8,933,334	8,155,031	8,718,533	11,203,239
47. UNIT COST ($/MCF)	4.71	4.33	3.61	3.84	4.02	3.89
48. AMOUNT ($)	40,691,601	36,180,943	32,269,943	31,303,599	35,047,659	43,525,633
49. ENDING INVENTORY:						
50. UNITS (MCF)	791,187	550,710	554,127	507,181	1,031,266	931,372
51. UNIT COST ($/MCF)	3.17	3.16	3.14	3.11	3.03	3.03
52. AMOUNT ($)	2,509,375	1,740,976	1,741,445	1,579,288	3,121,942	2,819,110
53. DAYS SUPPLY:	3	2	2	2	4	3
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, OTHER USAGE, AND ANALYSIS (2) COAL-IGNITION, ADDITIVES, ANALYSIS, AND INVENTORY ADJUSTMENTS (3) GAS-IGNITION AND ADDITIVES

TAMPA ELECTRIC COMPANY **SCHEDULE E5**
SYSTEM GENERATED FUEL COST INVENTORY ANALYSIS
ESTIMATED FOR THE PERIOD: JULY 2018 THROUGH DECEMBER 2018

	Estimated						
	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)	0	0	0	0	0	0	0
20. UNIT COST ($/BBL)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
21. AMOUNT ($)	0	0	0	0	0	0	0
22. ENDING INVENTORY:							
23. UNITS (BBL)	44,403	44,403	44,403	44,403	44,403	44,403	44,403
24. UNIT COST ($/BBL)	127.48	127.48	127.48	127.48	127.48	127.48	127.48
25. AMOUNT ($)	5,660,639	5,660,639	5,660,639	5,660,639	5,660,639	5,660,639	5,660,639
26. DAYS SUPPLY: NORMAL	14,471	14,471	14,471	14,471	14,471	14,471	-
27. DAYS SUPPLY: EMERGENCY	6	6	6	6	6	6	
COAL							
28. PURCHASES:							
29. UNITS (TONS)	102,800	126,000	126,000	150,000	30,000	60,000	1,519,940
30. UNIT COST ($/TON)	74.41	72.55	70.82	74.18	77.76	78.25	74.69
31. AMOUNT ($)	7,648,901	9,141,705	8,923,518	11,126,607	2,332,917	4,694,726	113,519,085
32. BURNED:							
33. UNITS (TONS)	66,070	67,000	62,130	87,850	54,200	98,280	1,409,927
34. UNIT COST ($/TON)	71.96	71.32	70.64	71.02	72.81	73.40	77.16
35. AMOUNT ($)	4,754,708	4,778,220	4,388,787	6,239,250	3,946,378	7,213,432	108,794,918
36. ENDING INVENTORY:							
37. UNITS (TONS)	437,676	496,676	560,546	622,696	598,496	560,216	560,216
38. UNIT COST ($/TON)	71.25	71.88	72.02	73.06	73.53	74.19	74.19
39. AMOUNT ($)	31,182,245	35,701,174	40,370,169	45,491,270	44,005,071	41,561,347	41,561,347
40. DAYS SUPPLY:	206	211	250	238	225	184	-
NATURAL GAS							
41. PURCHASES:							
42. UNITS (MCF)	12,491,979	11,800,180	11,260,760	9,216,320	7,896,365	8,744,990	115,582,498
43. UNIT COST ($/MCF)	3.77	3.84	3.84	4.04	4.10	4.18	3.98
44. AMOUNT ($)	47,107,194	45,327,353	43,219,579	37,203,667	32,354,044	36,576,986	460,314,820
45. BURNED:							
46. UNITS (MCF)	11,866,930	11,800,180	11,260,760	9,216,320	8,285,470	8,744,990	115,173,325
47. UNIT COST ($/MCF)	3.82	3.83	3.83	4.01	4.02	4.16	3.99
48. AMOUNT ($)	45,380,673	45,220,337	43,136,223	36,984,551	33,326,730	36,382,232	459,450,124
49. ENDING INVENTORY:							
50. UNITS (MCF)	1,556,420	1,556,420	1,556,420	1,556,420	1,167,315	1,167,315	1,167,315
51. UNIT COST ($/MCF)	2.85	2.87	2.86	2.88	2.93	3.06	3.06
52. AMOUNT ($)	4,432,000	4,465,280	4,454,080	4,476,160	3,415,920	3,572,400	3,572,400
53. DAYS SUPPLY:	5	5	5	5	4	4	-
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
ACTUAL FOR THE PERIOD: JANUARY 2018 THROUGH JUNE 2018

SCHEDULE E6

(1)	(2)		(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)
					MWH		CENTS/KWH				
			TYPE	TOTAL	WHEELED FROM	MWH	(A)	(B)	TOTAL $		GAINS ON
MONTH	SOLD TO		& SCHEDULE	MWH SOLD	OTHER SYSTEMS	FROM OWN GENERATION	FUEL COST	TOTAL COST	FOR FUEL ADJUSTMENT	TOTAL COST	MARKET BASED SALES
ACTUAL											
Jan-18	SEMINOLE	JURISD.	SCH. - D	2,495.0	0.0	2,495.0	3.060	3.366	76,352.69	83,987.96	4,942.85
	VARIOUS	JURISD.	SCH. - CB	236.0	0.0	236.0	1.982	2.243	4,677.52	5,292.30	469.64
	VARIOUS	JURISD.	SCH. - MA	53,867.0	0.0	53,867.0	3.268	5.198	1,760,607.04	2,800,268.78	966,179.22
	TOTAL			**56,598.0**	**0.0**	**56,598.0**	**3.254**	**5.105**	**1,841,637.25**	**2,889,549.04**	**971,591.71**
ACTUAL											
Feb-18	SEMINOLE	JURISD.	SCH. - D	2,142.0	14.0	2,128.0	1.906	2.099	40,557.46	44,675.61	1,062.84
	VARIOUS	JURISD.	SCH. - CB	590.0	0.0	590.0	1.994	2.291	11,762.24	13,515.72	1,229.56
	VARIOUS	JURISD.	SCH. - MA	175.0	0.0	175.0	1.104	7.131	1,932.75	12,478.60	10,385.35
	TOTAL			**2,907.0**	**14.0**	**2,893.0**	**1.875**	**2.443**	**54,252.45**	**70,669.93**	**12,677.75**
ACTUAL											
Mar-18	SEMINOLE	JURISD.	SCH. - D	1,332.0	0.0	1,332.0	1.977	2.175	26,331.80	28,964.98	868.95
	VARIOUS	JURISD.	SCH. - CB	2,341.0	0.0	2,341.0	1.710	1.910	40,023.50	44,715.32	4,062.61
	VARIOUS	JURISD.	SCH. - MA	28,635.0	0.0	28,635.0	2.442	3.076	699,359.25	880,693.42	135,495.97
	TOTAL			**32,308.0**	**0.0**	**32,308.0**	**2.370**	**2.954**	**765,714.55**	**954,373.72**	**140,427.53**
ACTUAL											
Apr-18	SEMINOLE	JURISD.	SCH. - D	2,591.0	0.0	2,591.0	2.162	2.379	56,029.23	61,632.15	2,251.82
	VARIOUS	JURISD.	SCH. - CB	569.0	0.0	569.0	1.479	1.768	8,416.58	10,061.11	972.60
	VARIOUS	JURISD.	SCH. - MA	51,002.0	0.0	51,002.0	2.467	3.101	1,258,131.54	1,581,713.17	241,687.87
	TOTAL			**54,162.0**	**0.0**	**54,162.0**	**2.442**	**3.053**	**1,322,577.35**	**1,653,406.43**	**244,912.29**
ACTUAL											
May-18	SEMINOLE	JURISD.	SCH. - D	1,459.0	0.0	1,459.0	2.042	2.247	29,798.91	32,778.80	1,308.50
	VARIOUS	JURISD.	SCH. - CB	763.0	0.0	763.0	1.623	1.889	12,383.96	14,412.38	1,308.51
	VARIOUS	JURISD.	SCH. - MA	31,375.0	0.0	31,375.0	1.972	3.030	618,642.99	950,752.65	305,672.48
	TOTAL			**33,597.0**	**0.0**	**33,597.0**	**1.967**	**2.970**	**660,825.86**	**997,943.83**	**308,289.49**
ACTUAL											
Jun-18	SEMINOLE	JURISD.	SCH. - D	1,755.0	0.0	1,755.0	1.995	2.195	35,016.45	38,518.10	1,572.63
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	24,093.0	0.0	24,093.0	2.477	3.872	596,787.76	932,784.38	306,486.38
	TOTAL			**25,848.0**	**0.0**	**25,848.0**	**2.444**	**3.758**	**631,804.21**	**971,302.48**	**308,059.01**

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

SCHEDULE E6

(1)	(2)		(3)	(4)	(5)	(6)	(7)		(8)	(9)	(10)
					MWH WHEELED		CENTS/KWH				
MONTH	SOLD TO		TYPE & SCHEDULE	TOTAL MWH SOLD	FROM OTHER SYSTEMS	MWH FROM OWN GENERATION	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT	TOTAL COST	GAINS ON MARKET BASED SALES
ESTIMATED											
Jul-18	SEMINOLE	JURISD.	SCH. - D	1,000.0	0.0	1,000.0	2.185	2.277	21,850.00	22,771.20	921.20
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	900.0	0.0	900.0	2.738	3.012	24,642.99	27,110.00	2,467.01
	TOTAL			**1,900.0**	**0.0**	**1,900.0**	**2.447**	**2.625**	**46,492.99**	**49,881.20**	**3,388.21**
ESTIMATED											
Aug-18	SEMINOLE	JURISD.	SCH. - D	1,010.0	0.0	1,010.0	2.213	2.298	22,350.00	23,208.17	858.17
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	1,130.0	0.0	1,130.0	2.659	2.926	30,051.54	33,060.00	3,008.46
	TOTAL			**2,140.0**	**0.0**	**2,140.0**	**2.449**	**2.629**	**52,401.54**	**56,268.17**	**3,866.63**
ESTIMATED											
Sep-18	SEMINOLE	JURISD.	SCH. - D	1,010.0	0.0	1,010.0	2.156	2.244	21,780.00	22,660.52	880.52
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	930.0	0.0	930.0	2.500	2.751	23,252.22	25,580.00	2,327.78
	TOTAL			**1,940.0**	**0.0**	**1,940.0**	**2.321**	**2.487**	**45,032.22**	**48,240.52**	**3,208.30**
ESTIMATED											
Oct-18	SEMINOLE	JURISD.	SCH. - D	720.0	0.0	720.0	2.392	2.491	17,220.00	17,937.49	717.49
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	1,130.0	0.0	1,130.0	2.982	3.281	33,696.63	37,070.00	3,373.37
	TOTAL			**1,850.0**	**0.0**	**1,850.0**	**2.752**	**2.973**	**50,916.63**	**55,007.49**	**4,090.86**
ESTIMATED											
Nov-18	SEMINOLE	JURISD.	SCH. - D	640.0	0.0	640.0	2.333	2.431	14,930.00	15,555.73	625.73
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	700.0	0.0	700.0	2.611	2.873	18,279.99	20,110.00	1,830.01
	TOTAL			**1,340.0**	**0.0**	**1,340.0**	**2.478**	**2.662**	**33,209.99**	**35,665.73**	**2,455.74**
ESTIMATED											
Dec-18	SEMINOLE	JURISD.	SCH. - D	600.0	0.0	600.0	2.375	2.474	14,250.00	14,842.53	592.53
	VARIOUS	JURISD.	SCH. - CB	0.0	0.0	0.0	0.000	0.000	0.00	0.00	0.00
	VARIOUS	JURISD.	SCH. - MA	1,170.0	0.0	1,170.0	2.711	2.983	31,724.10	34,900.00	3,175.90
	TOTAL			**1,770.0**	**0.0**	**1,770.0**	**2.597**	**2.810**	**45,974.10**	**49,742.53**	**3,768.43**
TOTAL	SEMINOLE	JURISD.	SCH. - D	16,754.0	14.0	16,740.0	2.249	2.434	376,466.54	407,533.24	16,603.23
Jan-18	VARIOUS	JURISD.	SCH. - CB	4,499.0	0.0	4,499.0	1.717	1.956	77,263.80	87,996.83	8,042.92
THRU	VARIOUS	JURISD.	SCH. - MA	195,107.0	0.0	195,107.0	2.612	3.760	5,097,108.80	7,336,521.00	1,982,089.80
Dec-18	**TOTAL**			**216,360.0**	**14.0**	**216,346.0**	**2.566**	**3.620**	**5,550,839.14**	**7,832,051.07**	**2,006,735.95**

TAMPA ELECTRIC COMPANY
PURCHASED POWER
(EXCLUSIVE OF ECONOMY AND QUALIFYING FACILITIES)
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018

SCHEDULE E7

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
							CENTS/KWH		
MONTH	PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FOR OTHER UTILITIES	MWH FOR INTERRUP-TIBLE	MWH FOR FIRM	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT
ACTUAL Jan-18									
	PASCO COGEN	SCH. - D	7,760.0	0.0	0.0	7,760.0	7.442	7.442	577,469.11
	VARIOUS	OATT	1,175.0	0.0	0.0	1,175.0	3.611	3.611	42,433.93
	TOTAL		**8,935.0**	**0.0**	**0.0**	**8,935.0**	**6.938**	**6.938**	**619,903.04**
ACTUAL Feb-18									
	PASCO COGEN	SCH. - D	17,416.0	0.0	0.0	17,416.0	3.890	3.890	677,567.45
	VARIOUS	OATT	(55.0)	0.0	0.0	(55.0)	4.955	4.955	(2,725.09)
	TOTAL		**17,361.0**	**0.0**	**0.0**	**17,361.0**	**3.887**	**3.887**	**674,842.36**
ACTUAL Mar-18									
	PASCO COGEN	SCH. - D	7,881.0	0.0	0.0	7,881.0	3.589	3.589	282,840.33
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**7,881.0**	**0.0**	**0.0**	**7,881.0**	**3.589**	**3.589**	**282,840.33**
ACTUAL Apr-18									
	PASCO COGEN	SCH. - D	9,647.0	0.0	0.0	9,647.0	7.753	7.753	747,947.85
	VARIOUS	OATT	630.0	0.0	0.0	630.0	2.215	2.215	13,952.34
	TOTAL		**10,277.0**	**0.0**	**0.0**	**10,277.0**	**7.414**	**7.414**	**761,900.19**
ACTUAL May-18									
	PASCO COGEN	SCH. - D	9,115.0	0.0	0.0	9,115.0	4.241	4.241	386,550.59
	VARIOUS	OATT	891.0	0.0	0.0	891.0	2.948	2.948	26,264.35
	TOTAL		**10,006.0**	**0.0**	**0.0**	**10,006.0**	**4.126**	**4.126**	**412,814.94**
ACTUAL Jun-18									
	PASCO COGEN	SCH. - D	7,390.0	0.0	0.0	7,390.0	4.607	4.607	340,423.18
	VARIOUS	OATT	966.0	0.0	0.0	966.0	3.222	3.222	31,120.16
	TOTAL		**8,356.0**	**0.0**	**0.0**	**8,356.0**	**4.446**	**4.446**	**371,543.34**
ESTIMATED Jul-18									
	PASCO COGEN	SCH. - D	1,460.0	0.0	0.0	1,460.0	3.916	3.916	57,180.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**1,460.0**	**0.0**	**0.0**	**1,460.0**	**3.916**	**3.916**	**57,180.00**
ESTIMATED Aug-18									
	PASCO COGEN	SCH. - D	2,450.0	0.0	0.0	2,450.0	3.848	3.848	94,270.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**2,450.0**	**0.0**	**0.0**	**2,450.0**	**3.848**	**3.848**	**94,270.00**
ESTIMATED Sep-18									
	PASCO COGEN	SCH. - D	2,620.0	0.0	0.0	2,620.0	3.797	3.797	99,470.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**2,620.0**	**0.0**	**0.0**	**2,620.0**	**3.797**	**3.797**	**99,470.00**
ESTIMATED Oct-18									
	PASCO COGEN	SCH. - D	6,700.0	0.0	0.0	6,700.0	3.895	3.895	260,970.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**6,700.0**	**0.0**	**0.0**	**6,700.0**	**3.895**	**3.895**	**260,970.00**
ESTIMATED Nov-18									
	PASCO COGEN	SCH. - D	2,840.0	0.0	0.0	2,840.0	3.979	3.979	113,000.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**2,840.0**	**0.0**	**0.0**	**2,840.0**	**3.979**	**3.979**	**113,000.00**
ESTIMATED Dec-18									
	PASCO COGEN	SCH. - D	2,660.0	0.0	0.0	2,660.0	4.026	4.026	107,100.00
	VARIOUS	OATT	0.0	0.0	0.0	0.0	0.000	0.000	0.00
	TOTAL		**2,660.0**	**0.0**	**0.0**	**2,660.0**	**4.026**	**4.026**	**107,100.00**
TOTAL									
Jan-18	PASCO COGEN	SCH. - D	77,939.0	0.0	0.0	77,939.0	4.805	4.805	3,744,788.51
THRU	VARIOUS	OATT	3,607.0	0.0	0.0	3,607.0	3.079	3.079	111,045.69
Dec-18	**TOTAL**		**81,546.0**	**0.0**	**0.0**	**81,546.0**	**4.728**	**4.728**	**3,855,834.20**

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

SCHEDULE E8

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		(9)
				MWH			CENTS/KWH		
MONTH	PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	FOR OTHER UTILITIES	MWH FOR INTERRUPTIBLE	MWH FOR FIRM	(A) FUEL COST	(B) TOTAL COST	TOTAL $ FOR FUEL ADJUSTMENT
ACTUAL	VARIOUS	CO-GEN.							
Jan-18		NET METERING	1.5	0.0	0.0	1.5	2.174	2.174	32.61
		AS AVAIL.	18,851.0	0.0	0.0	18,851.0	3.028	3.028	570,736.52
	TOTAL		**18,852.5**	**0.0**	**0.0**	**18,852.5**	**3.028**	**3.028**	**570,769.13**
ACTUAL	VARIOUS	CO-GEN.							
Feb-18		NET METERING	2,337.1	0.0	0.0	2,337.1	2.284	2.284	53,373.85
		AS AVAIL.	11,021.0	0.0	0.0	11,021.0	2.215	2.215	244,076.24
	TOTAL		**13,358.1**	**0.0**	**0.0**	**13,358.1**	**2.227**	**2.227**	**297,450.09**
ACTUAL	VARIOUS	CO-GEN.							
Mar-18		NET METERING	82.4	0.0	0.0	82.4	2.283	2.283	1,881.20
		AS AVAIL.	12,739.0	0.0	0.0	12,739.0	2.191	2.191	279,049.35
	TOTAL		**12,821.4**	**0.0**	**0.0**	**12,821.4**	**2.191**	**2.191**	**280,930.55**
ACTUAL	VARIOUS	CO-GEN.							
Apr-18		NET METERING	(82.3)	0.0	0.0	(82.3)	4.566	4.566	(3,758.03)
		AS AVAIL.	12,567.0	0.0	0.0	12,567.0	2.324	2.324	292,030.87
	TOTAL		**12,484.7**	**0.0**	**0.0**	**12,484.7**	**2.309**	**2.309**	**288,272.84**
ACTUAL	VARIOUS	CO-GEN.							
May-18		NET METERING	1.6	0.0	0.0	1.6	2.264	2.264	36.22
		AS AVAIL.	21,247.0	0.0	0.0	21,247.0	2.246	2.246	477,255.27
	TOTAL		**21,248.6**	**0.0**	**0.0**	**21,248.6**	**2.246**	**2.246**	**477,291.49**
ACTUAL	VARIOUS	CO-GEN.							
Jun-18		NET METERING	2.8	0.0	0.0	2.8	2.313	2.313	64.75
		AS AVAIL.	14,379.0	0.0	0.0	14,379.0	2.204	2.204	316,891.03
	TOTAL		**14,381.8**	**0.0**	**0.0**	**14,381.8**	**2.204**	**2.204**	**316,955.78**
ESTIMATED	VARIOUS	CO-GEN.							
Jul-18		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,460.0	0.0	0.0	7,460.0	2.967	2.967	221,320.00
	TOTAL		**7,460.0**	**0.0**	**0.0**	**7,460.0**	**2.967**	**2.967**	**221,320.00**
ESTIMATED	VARIOUS	CO-GEN.							
Aug-18		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,510.0	0.0	0.0	7,510.0	3.453	3.453	259,320.00
	TOTAL		**7,510.0**	**0.0**	**0.0**	**7,510.0**	**3.453**	**3.453**	**259,320.00**
ESTIMATED	VARIOUS	CO-GEN.							
Sep-18		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,520.0	0.0	0.0	7,520.0	2.458	2.458	184,870.00
	TOTAL		**7,520.0**	**0.0**	**0.0**	**7,520.0**	**2.458**	**2.458**	**184,870.00**
ESTIMATED	VARIOUS	CO-GEN.							
Oct-18		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,550.0	0.0	0.0	7,550.0	3.200	3.200	241,610.00
	TOTAL		**7,550.0**	**0.0**	**0.0**	**7,550.0**	**3.200**	**3.200**	**241,610.00**
ESTIMATED	VARIOUS	CO-GEN.							
Nov-18		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,320.0	0.0	0.0	7,320.0	2.984	2.984	218,410.00
	TOTAL		**7,320.0**	**0.0**	**0.0**	**7,320.0**	**2.984**	**2.984**	**218,410.00**
ESTIMATED	VARIOUS	CO-GEN.							
Dec-18		NET METERING	0.0	0.0	0.0	0.0	0.000	0.000	0.00
		AS AVAIL.	7,650.0	0.0	0.0	7,650.0	2.507	2.507	191,810.00
	TOTAL		**7,650.0**	**0.0**	**0.0**	**7,650.0**	**2.507**	**2.507**	**191,810.00**
TOTAL	VARIOUS	CO-GEN.							
Jan-18		NET METERING	2,343.1	0.0	0.0	2,343.1	2.204	2.204	51,630.60
THRU		AS AVAIL.	135,814.0	0.0	0.0	135,814.0	2.575	2.575	3,497,379.28
Dec-18	TOTAL		**138,157.1**	**0.0**	**0.0**	**138,157.1**	**2.569**	**2.569**	**3,549,009.88**

TAMPA ELECTRIC COMPANY **SCHEDULE E9**
ECONOMY ENERGY PURCHASES
ACTUAL/ESTIMATED FOR THE PERIOD: JANUARY 2018 THROUGH DECEMBER 2018

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		(10)
								COST IF GENERATED		
MONTH	PURCHASED FROM	TYPE & SCHEDULE	TOTAL MWH PURCHASED	MWH FOR INTERRUP-TIBLE	MWH FOR FIRM	TRANSACT. COST cents/KWH	TOTAL $ FOR FUEL ADJUSTMENT	(A) CENTS PER KWH	(B) ($000)	FUEL SAVINGS (9B)-(8)
ACTUAL	VARIOUS	SCH. - J	9,670.0	0.0	9,670.0	13.830	1,337,323.00	13.924	1,346,453.91	9,130.91
Jan-18	**TOTAL**		**9,670.0**	**0.0**	**9,670.0**	**13.830**	**1,337,323.00**	**13.924**	**1,346,453.91**	**9,130.91**
ACTUAL	VARIOUS	SCH. - REB	5.0	0.0	5.0	3.000	150.00	3.000	150.00	0.00
	VARIOUS	SCH. - J	57,871.9	378.8	57,493.1	3.550	2,041,171.31	3.882	2,231,941.57	190,770.26
Feb-18	**TOTAL**		**57,876.9**	**378.8**	**57,498.1**	**3.550**	**2,041,321.31**	**3.882**	**2,232,091.57**	**190,770.26**
ACTUAL	VARIOUS	SCH. - J	108,470.0	0.0	108,470.0	3.502	3,798,865.00	3.746	4,063,631.50	264,766.50
Mar-18	**TOTAL**		**108,470.0**	**0.0**	**108,470.0**	**3.502**	**3,798,865.00**	**3.746**	**4,063,631.50**	**264,766.50**
ACTUAL	VARIOUS	SCH. - J	34,056.0	0.0	34,056.0	3.821	1,301,372.00	3.856	1,313,342.75	11,970.75
Apr-18	**TOTAL**		**34,056.0**	**0.0**	**34,056.0**	**3.821**	**1,301,372.00**	**3.856**	**1,313,342.75**	**11,970.75**
ACTUAL	VARIOUS	SCH. - J	90,850.0	0.0	90,850.0	3.406	3,094,221.00	4.076	3,702,655.58	608,434.58
May-18	**TOTAL**		**90,850.0**	**0.0**	**90,850.0**	**3.406**	**3,094,221.00**	**4.076**	**3,702,655.58**	**608,434.58**
ACTUAL	VARIOUS	SCH. - J	115,000.0	0.0	115,000.0	3.516	4,043,930.00	4.145	4,766,992.00	723,062.00
Jun-18	**TOTAL**		**115,000.0**	**0.0**	**115,000.0**	**3.516**	**4,043,930.00**	**4.145**	**4,766,992.00**	**723,062.00**
ESTIMATED	VARIOUS	ECONOMY	249,520.0	0.0	249,520.0	2.938	7,330,530.00	3.435	8,570,890.00	1,240,360.00
Jul-18	**TOTAL**		**249,520.0**	**0.0**	**249,520.0**	**2.938**	**7,330,530.00**	**3.435**	**8,570,890.00**	**1,240,360.00**
ESTIMATED	VARIOUS	ECONOMY	247,160.0	0.0	247,160.0	2.954	7,300,470.00	3.702	9,148,980.00	1,848,510.00
Aug-18	**TOTAL**		**247,160.0**	**0.0**	**247,160.0**	**2.954**	**7,300,470.00**	**3.702**	**9,148,980.00**	**1,848,510.00**
ESTIMATED	VARIOUS	ECONOMY	235,870.0	0.0	235,870.0	2.833	6,683,060.00	3.370	7,947,930.00	1,264,870.00
Sep-18	**TOTAL**		**235,870.0**	**0.0**	**235,870.0**	**2.833**	**6,683,060.00**	**3.370**	**7,947,930.00**	**1,264,870.00**
ESTIMATED	VARIOUS	ECONOMY	276,650.0	0.0	276,650.0	2.731	7,555,320.00	3.702	10,241,820.00	2,686,500.00
Oct-18	**TOTAL**		**276,650.0**	**0.0**	**276,650.0**	**2.731**	**7,555,320.00**	**3.702**	**10,241,820.00**	**2,686,500.00**
ESTIMATED	VARIOUS	ECONOMY	132,760.0	0.0	132,760.0	2.283	3,030,910.00	4.018	5,334,700.00	2,303,790.00
Nov-18	**TOTAL**		**132,760.0**	**0.0**	**132,760.0**	**2.283**	**3,030,910.00**	**4.018**	**5,334,700.00**	**2,303,790.00**
ESTIMATED	VARIOUS	ECONOMY	60,670.0	0.0	60,670.0	2.384	1,446,430.00	3.676	2,230,060.00	783,630.00
Dec-18	**TOTAL**		**60,670.0**	**0.0**	**60,670.0**	**2.384**	**1,446,430.00**	**3.676**	**2,230,060.00**	**783,630.00**
TOTAL	VARIOUS	SCH. - REB	5.0	0.0	5.0	3.000	150.00	3.000	150.00	0.00
Jan-18	VARIOUS	SCH. - J	415,917.9	378.8	415,539.1	3.758	15,616,882.31	4.193	17,425,017.31	1,808,135.00
THRU	VARIOUS	ECONOMY	1,202,630.0	0.0	1,202,630.0	2.773	33,346,720.00	3.615	43,474,380.00	10,127,660.00
Dec-18	**TOTAL**		**1,618,552.9**	**378.8**	**1,618,174.1**	**3.026**	**48,963,752.31**	**3.763**	**60,899,547.31**	**11,935,795.00**

EXHIBIT TO THE TESTIMONY OF

PENELOPE A. RUSK

DOCUMENT NO. 2

CAPACITY COST RECOVERY

ACTUAL / ESTIMATED

JANUARY 2018 THROUGH DECEMBER 2018

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY
CALCULATION OF THE CURRENT (ACTUAL/ESTIMATED) PERIOD TRUE-UP
JANUARY 2018 THROUGH DECEMBER 2018

1.	FINAL OVER/(UNDER) RECOVERY FOR JANUARY 2017 THROUGH DECEMBER 2017	($1,952,049)
2.	ACTUAL/ESTIMATED OVER/(UNDER) RECOVERY FOR THE CURRENT PERIOD JANUARY 2018 THROUGH DECEMBER 2018	(832,939)
3.	CURRENT PERIOD TRUE-UP AMOUNT TO BE REFUNDED/(RECOVERED) IN THE PROJECTION PERIOD JANUARY 2019 THROUGH DECEMBER 2019	($2,784,988)

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ACTUAL/ESTIMATED TRUE-UP AMOUNT
JANUARY 2018 THROUGH DECEMBER 2018

	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	Total
1 UNIT POWER CAPACITY CHARGES	1,033,633	927,808	842,124	905,476	1,224,568	1,276,897	839,740	839,740	839,740	839,740	839,740	812,650	11,221,856
2 CAPACITY PAYMENTS TO COGENERATORS	0	0	0	0	0	0	0	0	0	0	0	0	0
3 (UNIT POWER CAPACITY REVENUES)	(449,731)	(54,848)	(174,015)	(265,506)	(150,282)	(134,875)	(204,876)	(224,376)	(204,876)	(204,876)	(204,876)	(204,876)	(2,478,013)
4 TOTAL CAPACITY DOLLARS	583,902	872,960	668,109	639,970	1,074,286	1,142,022	634,864	615,364	634,864	634,864	634,864	607,774	8,743,843
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	583,902	872,960	668,109	639,970	1,074,286	1,142,022	634,864	615,364	634,864	634,864	634,864	607,774	8,743,843
7 CAPACITY COST RECOVERY REVENUES (Net of Revenue Taxes)	869,605	795,335	768,043	763,069	812,583	940,249	1,052,178	1,047,897	1,111,228	984,286	821,589	788,840	10,754,902
8 PRIOR PERIOD TRUE-UP PROVISION	(230,245)	(230,245)	(230,245)	(230,245)	(230,245)	(230,245)	(230,245)	(230,245)	(230,245)	(230,245)	(230,245)	(230,243)	(2,762,938)
9 CAPACITY COST RECOVERY REVENUES APPLICABLE TO CURRENT PERIOD (Net of Revenue Taxes)	639,360	565,090	537,798	532,824	582,338	710,004	821,933	817,652	880,983	754,041	591,344	558,597	7,991,964
10 TRUE-UP PROVISION FOR MONTH OVER/(UNDER) RECOVERY (Line 9 - Line 6)	55,458	(307,870)	(130,311)	(107,146)	(491,948)	(432,018)	187,069	202,288	246,119	119,177	(43,520)	(49,177)	(751,879)
11 INTEREST PROVISION FOR MONTH	(5,807)	(5,727)	(6,479)	(6,763)	(6,881)	(7,485)	(7,965)	(7,614)	(7,205)	(6,749)	(6,216)	(6,169)	(81,060)
12 ADJUSTMENT	0	0	0	0	0	0	0	0	0	0	0	0	0
13 TRUE-UP AND INT. PROVISION BEGINNING OF MONTH - OVER/(UNDER) RECOVERY	(4,714,987)	(4,435,091)	(4,518,443)	(4,424,988)	(4,308,652)	(4,577,236)	(4,786,494)	(4,377,145)	(3,952,226)	(3,483,067)	(3,140,394)	(2,959,885)	(4,714,987)
14 PRIOR PERIOD TRUE-UP PROVISION COLLECTED/(REFUNDED) THIS MONTH	230,245	230,245	230,245	230,245	230,245	230,245	230,245	230,245	230,245	230,245	230,245	230,243	2,762,938
15 END OF PERIOD TRUE-UP - OVER/(UNDER) RECOVERY (SUM OF LINES 10 - 14)	**(4,435,091)**	**(4,518,443)**	**(4,424,988)**	**(4,308,652)**	**(4,577,236)**	**(4,786,494)**	**(4,377,145)**	**(3,952,226)**	**(3,483,067)**	**(3,140,394)**	**(2,959,885)**	**(2,784,988)**	**(2,784,988)**

TAMPA ELECTRIC COMPANY
CAPACITY COST RECOVERY CLAUSE
CALCULATION OF ACTUAL/ESTIMATED TRUE-UP AMOUNT
JANUARY 2018 THROUGH DECEMBER 2018

	Actual Jan-18	Actual Feb-18	Actual Mar-18	Actual Apr-18	Actual May-18	Actual Jun-18	Estimated Jul-18	Estimated Aug-18	Estimated Sep-18	Estimated Oct-18	Estimated Nov-18	Estimated Dec-18	Total
1 BEGINNING TRUE-UP AMOUNT	(4,714,987)	(4,435,091)	(4,518,443)	(4,424,988)	(4,308,652)	(4,577,236)	(4,786,494)	(4,377,145)	(3,952,226)	(3,483,067)	(3,140,394)	(2,959,885)	(4,714,987)
2 ENDING TRUE-UP AMOUNT BEFORE INTEREST	(4,429,284)	(4,512,716)	(4,418,509)	(4,301,889)	(4,570,355)	(4,779,009)	(4,369,180)	(3,944,612)	(3,475,862)	(3,133,645)	(2,953,669)	(2,778,819)	(2,703,928)
3 TOTAL BEGINNING & ENDING TRUE-UP AMT. (LINE 1 + LINE 2)	(9,144,271)	(8,947,807)	(8,936,952)	(8,726,877)	(8,879,007)	(9,356,245)	(9,155,674)	(8,321,757)	(7,428,088)	(6,616,712)	(6,094,063)	(5,738,704)	(7,418,915)
4 AVERAGE TRUE-UP AMOUNT (50% OF LINE 3)	(4,572,136)	(4,473,904)	(4,468,476)	(4,363,439)	(4,439,504)	(4,678,123)	(4,577,837)	(4,160,879)	(3,714,044)	(3,308,356)	(3,047,032)	(2,869,352)	(3,709,458)
5 INTEREST RATE % - 1ST DAY OF MONTH	1.580	1.460	1.620	1.860	1.850	1.860	1.980	2.200	2.200	2.450	2.450	2.450	NA
6 INTEREST RATE % - 1ST DAY OF NEXT MONTH	1.460	1.620	1.860	1.850	1.860	1.980	2.200	2.200	2.450	2.450	2.450	2.700	NA
7 TOTAL (LINE 5 + LINE 6)	3.040	3.080	3.480	3.710	3.710	3.840	4.180	4.400	4.650	4.900	4.900	5.150	NA
8 AVERAGE INTEREST RATE % (50% OF LINE 7)	1.520	1.540	1.740	1.855	1.855	1.920	2.090	2.200	2.325	2.450	2.450	2.575	NA
9 MONTHLY AVERAGE INTEREST RATE % (LINE 8/12)	0.127	0.128	0.145	0.155	0.155	0.160	0.174	0.183	0.194	0.204	0.204	0.215	NA
10 INTEREST PROVISION (LINE 4 X LINE 9)	(5,807)	(5,727)	(6,479)	(6,763)	(6,881)	(7,485)	(7,965)	(7,614)	(7,205)	(6,749)	(6,216)	(6,169)	(81,060)

REDACTED

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

SCHEDULE E12

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

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

CONTRACT	ACT JANUARY MW	ACT FEBRUARY MW	ACT MARCH MW	ACT APRIL MW	ACT MAY MW	ACT JUNE MW	EST JULY MW	EST AUGUST MW	EST SEPTEMBER MW	EST OCTOBER MW	EST NOVEMBER MW	EST DECEMBER MW
PASCO COGEN LTD	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	10.3	7.1	5.9	5.6	0.9	1.9	1.5	1.7	1.4	1.4	1.2	1.2

CAPACITY	($)	($)	($)	($)	($)	($)	($)	($)	($)	($)	($)	($)	($)
PASCO COGEN LTD - D	[redacted]												
CITY OF TALLAHASSEE													
FLORIDA POWER & LIGHT													
DUKE ENERGY FLORIDA													
SEMINOLE ELECTRIC													
JACKSONVILLE ELECTRIC AUTHORITY													
SUBTOTAL CAPACITY PURCHASES													
SEMINOLE ELECTRIC - D													
REEDY CREEK - CB													
VARIOUS - MA													
DUKE ENERGY FLORIDA - MA													
FLORIDA POWER & LIGHT - MA													
CITY OF LAKELAND - MA													
ORLANDO UTILITIES - MA													
EXGEN - MA													
REEDY CREEK - MA													
THE ENERGY AUTHORITY - MA													
MACQUARIE ENERGY LLC - MA													
MORGAN STANLEY - MA													
SOUTHERN CO - MA													
NEW SMYRNA BEACH - MA													
EDF TRADING - MA													
SUBTOTAL CAPACITY SALES													
TOTAL PURCHASES AND (SALES)	$ 583,902	$ 872,960	$ 668,109	$ 639,970	$ 1,074,286	$ 1,142,022	$ 634,864	$ 615,364	$ 634,864	$ 634,864	$ 634,864	$ 607,774	$ 8,743,843
TOTAL CAPACITY	$ 583,902	$ 872,960	$ 668,109	$ 639,970	$ 1,074,286	$ 1,142,022	$ 634,864	$ 615,364	$ 634,864	$ 634,864	$ 634,864	$ 607,774	$ 8,743,843

EXHIBIT TO THE TESTIMONY OF

PENELOPE A. RUSK

DOCUMENT NO. 3

CAPITAL PROJECTS APPROVED FOR

FUEL CLAUSE RECOVERY

JANUARY 2018 - DECEMBER 2018

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

		ACTUAL JANUARY	ACTUAL FEBRUARY	ACTUAL MARCH	ACTUAL APRIL	ACTUAL MAY	ACTUAL JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	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
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
5														
6														
7	AVERAGE BALANCE	$ 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%							
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							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
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%							
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	1.34295	1.34295							
22	EQUITY COMPONENT PRE-TAX	$ 8,642	$ 7,071	$ 5,501	$ 3,929	$ 1,939	$ 646							$ 27,728
23														
24	ALLOWED DEBT RETURN	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%							
25	DEBT COMPONENT	$ 2,216	$ 1,813	$ 1,410	$ 1,007	$ 604	$ 201							$ 7,251
26	TAX REFORM TRUEUP					(4,456)								(4,456)
27	TOTAL RETURN REQUIREMENTS	$ 10,858	$ 8,884	$ 6,911	$ 4,936	$ (1,913)	$ 847							$ 30,523
28														
29	TOTAL DEPRECIATION & RETURN	$ 280,083	$ 278,109	$ 276,136	$ 274,161	$ 267,312	$ 270,072							$ 1,645,873
30														
31	ESTIMATED FUEL SAVINGS	$ 1,717,841	$ 368,978	$ 9,068,543	$ 17,090,426	$ 18,774,508	$ 16,192,630							$ 63,212,927
32	TOTAL DEPRECIATION & RETURN	280,083	278,109	276,136	274,161	267,312	270,072							1,645,873
33	NET BENEFIT (COST) TO RATEPAYER	$ 1,437,758	$ 90,869	$ 8,792,407	$ 16,816,265	$ 18,507,196	$ 15,922,558							$ 61,567,054
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 7.5587% (EQUITY 5.7628% , 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 25.345%
38 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

		ACTUAL JANUARY	ACTUAL FEBRUARY	ACTUAL MARCH	ACTUAL APRIL	ACTUAL MAY	ACTUAL JUNE	ESTIMATED JULY	ESTIMATED AUGUST	ESTIMATED SEPTEMBER	ESTIMATED OCTOBER	ESTIMATED NOVEMBER	ESTIMATED 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	
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%	
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	
19	ALLOWED EQUITY RETURN	.35760%	.35760%	.35760%	.35760%	.35760%	.35760%	.36019%	.36019%	.36019%	.36019%	.36019%	.36019%	
20	EQUITY COMPONENT AFTER-TAX	$ 35,125	$ 33,878	$ 32,632	$ 31,386	$ 30,140	$ 28,893	$ 27,848	$ 26,592	$ 25,337	$ 24,082	$ 22,827	$ 21,571	$ 340,311
21	CONVERSION TO PRE-TAX	1.63220	1.63220	1.63220	1.63220	1.34295	1.34295	1.34295	1.34295	1.34295	1.34295	1.34295	1.34295	
22	EQUITY COMPONENT PRE-TAX	$ 57,331	$ 55,296	$ 53,262	$ 51,228	$ 40,477	$ 38,802	$ 37,398	$ 35,712	$ 34,026	$ 32,341	$ 30,656	$ 28,969	$ 495,498
23														
24	ALLOWED DEBT RETURN	.14966%	.14966%	.14966%	.14966%	.14966%	.14966%	.14287%	.14287%	.14287%	.14287%	.14287%	.14287%	
25	DEBT COMPONENT	$ 14,700	$ 14,179	$ 13,657	$ 13,136	$ 12,614	$ 12,092	$ 11,046	$ 10,548	$ 10,050	$ 9,552	$ 9,054	$ 8,556	$ 139,184
26	TAX REFORM TRUEUP					(38,477)								
27	TOTAL RETURN REQUIREMENTS	$ 72,031	$ 69,475	$ 66,919	$ 64,364	$ 14,614	$ 50,894	$ 48,444	$ 46,260	$ 44,076	$ 41,893	$ 39,710	$ 37,525	$ 596,205
28	PRIOR MONTH TRUE-UP													
29	TOTAL DEPRECIATION & RETURN	$ 420,537	$ 417,981	$ 415,425	$ 412,870	$ 363,120	$ 399,400	$ 396,950	$ 394,766	$ 392,582	$ 390,399	$ 388,216	$ 386,031	$ 4,778,275
30														
31	ESTIMATED FUEL SAVINGS	$ 368,460	$ 796,030	$ 230,045	$ 437,507	$ 385,672	$ 700,247	$ 560,560	$ 280,204	$ 466,952	$ 924,194	$ 369,702	$ 91,758	$ 5,611,330
32	TOTAL DEPRECIATION & RETURN	$ 420,537	$ 417,981	$ 415,425	$ 412,870	$ 363,120	$ 399,400	$ 396,950	$ 394,766	$ 392,582	$ 390,399	$ 388,216	$ 386,031	$ 4,778,275
33	NET BENEFIT (COST) TO RATEPAYER	$ (52,077)	$ 378,050	$ (185,380)	$ 24,637	$ 22,552	$ 300,847	$ 163,610	$ (114,562)	$ 74,370	$ 533,795	$ (18,514)	$ (294,273)	$ 833,056

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 7.5587% (EQUITY 5.7628% , 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 7.5190% (EQUITY 5.8046% , DEBT 1.7144%). RATES ARE BASED ON THE MAY 2018 SURVEILLANCE REPORT PER THE WACC STIPULATION & SETTLEMENT AGREEMENT (JULY 17, 2012).
37 RETURN REQUIREMENT IS CALCULATED BASED UPON A COMBINED STATUTORY RATE OF 25.345%
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 June 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	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	11,216	0.23%	7.78%	0.0179%
Total	$ 4,862,681	100.00%		6.09%

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	2,031,177	Equity - Common	54.00%
Total	$ 3,761,439	Total	100.00%

Deferred ITC - Weighted Cost:

Debt = 0.0179% * 46.00%	0.0082%
Equity = 0.0179% * 54.00%	0.0097%
Weighted Cost	0.0179%

Total Equity Cost Rate:

Preferred Stock	0.0000%
Common Equity	4.2815%
Deferred ITC - Weighted Cost	0.0097%
	4.2912%
Times Tax Multiplier	1.34295
Total Equity Component	5.7628%

Total Debt Cost Rate:

Long Term Debt	1.6968%
Short Term Debt	0.0378%
Customer Deposits	0.0531%
Deferred ITC - Weighted Cost	0.0082%
Total Debt Component	1.7959%
	7.5587%

Notes:

Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2017 Settlement Agreement Dated September 27, 2017.
Column (2) - Column (1) / Total Column (1)
Column (3) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012, and 2017 Settlement Agreement Dated September 27, 2017.
Column (4) - Column (2) x Column (3)

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

	(1) Jurisdictional Rate Base Actual May 2018 Capital Structure ($000)	(2) Ratio %	(3) Cost Rate %	(4) Weighted Cost Rate %
Long Term Debt	$ 1,719,219	30.51%	5.13%	1.5652%
Short Term Debt	244,333	4.34%	2.18%	0.0945%
Preferred Stock	0	0.00%	0.00%	0.0000%
Customer Deposits	96,005	1.70%	2.43%	0.0414%
Common Equity	2,367,502	42.02%	10.25%	4.3067%
Accum. Deferred Inc. Taxes & Zero Cost ITC's	1,187,473	21.07%	0.00%	0.0000%
Deferred ITC - Weighted Cost	20,116	0.36%	8.10%	0.0289%
Total	$ 5,634,648	100.00%		6.04%

ITC split between Debt and Equity:

Long Term Debt	$ 1,719,219	Long Term Debt	46.00%
Equity - Preferred	0	Equity - Preferred	0.00%
Equity - Common	2,367,502	Equity - Common	54.00%
Total	$ 4,086,721	Total	100.00%

Deferred ITC - Weighted Cost:

Debt = 0.0289% * 46.00%	0.0133%
Equity = 0.0289% * 54.00%	0.0156%
Weighted Cost	0.0289%

Total Equity Cost Rate:

Preferred Stock	0.0000%
Common Equity	4.3067%
Deferred ITC - Weighted Cost	0.0156%
	4.3223%
Times Tax Multiplier	1.34295
Total Equity Component	5.8046%

Total Debt Cost Rate:

Long Term Debt	1.5652%
Short Term Debt	0.0945%
Customer Deposits	0.0414%
Deferred ITC - Weighted Cost	0.0133%
Total Debt Component	1.7144%
	7.5190%

Notes:

Column (1) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012 and 2017 Settlement Agreement Dated September 27, 2017.
Column (2) - Column (1) / Total Column (1)
Column (3) - Per WACC Stipulation & Settlement Agreement Dated July 17, 2012 and 2017 Settlement Agreement Dated September 27, 2017.
Column (4) - Column (2) x Column (3)