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June 28, 2019

VIA: ELECTRONIC FILING

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

Re: Petition by Tampa Electric Company for a limited proceeding to approve Third SoBRA effective January 1, 2020

Dear Mr. Teitzman:

Attached for filing in the above-styled matter are the following:

1. Tampa Electric Company Petition for Limited Proceeding to Approve Third SoBRA effective January 1, 2020.

2. Prepared Direct Testimony and Exhibit No ____ (JAA-1) of Jose A. Aponte.

3. Prepared Direct Testimony and Exhibit No. ____ (WRA-1) of William R. Ashburn.

4. Prepared Direct Testimony and Exhibit No. ___ (MDW-1) of Mark D. Ward.

Thank you for your assistance in connection with this matter.

Sincerely,

J. Jeffry Wahlen

JJW/pp
Attachment

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition by Tampa Electric Company for a limited proceeding to approve Third SoBRA effective January 1, 2020.	))))	DOCKET NO. 2019 _____-EI FILED: June 28, 2019

TAMPA ELECTRIC COMPANY'S PETITION FOR LIMITED PROCEEDING TO APPROVE THIRD SOBRA EFFECTIVE JANUARY 1, 2020

Consistent with its 2017 Amended and Restated Stipulation and Settlement Agreement and FPSC Order No. PSC-2017-0456-S-EI, issued November 27, 2017, and pursuant to Sections 366.076, 120.57(2) and 366.06(3), Florida Statutes, and Rule 28-106.301, F.A.C., Tampa Electric Company ("Tampa Electric" or "the company"), respectfully petitions the Florida Public Service Commission ("FPSC" or the "Commission") for a limited proceeding to approve its Third SoBRA, effective January 1, 2020, as specified herein.

BACKGROUND

On September 27, 2017, Tampa Electric filed a petition in Docket Nos. 20170210-EI and 20160160-EI, seeking approval of the 2017 Amended and Restated Stipulation and Settlement Agreement ("2017 Agreement"). As explained in Dockets Nos. 20170210-EI and 20160160-EI, the 2017 Agreement amends and restates the Stipulation and Settlement Agreement ("2013 Agreement") that resolved the issues in Tampa Electric's 2013 base rate case (Docket No. 20130040-EI). Among other things, the 2017 Agreement extends the general base rate freeze included in the 2013 Agreement and replaced the Generation Base Rate Adjustment ("GBRA") mechanism in the 2013 Agreement with a Solar Base Rate Adjustment ("SoBRA") mechanism

that includes a strict cost-effectiveness test and a $1,500 per kilowatt alternating current ("kW_{ac}") installed cost cap ("Installed Cost Cap") to protect customers.

The Commission approved the 2017 Agreement by bench vote after an evidentiary hearing on November 6, 2017, which decision was memorialized in Order No. PSC-2017-0456-S-EI, issued November 27, 2017 ("Final Order").

On June 5, 2018, the Commission entered its Order No. PSC-2018-0288-FOF-EI in Docket No. 20170260-EI, approving Tampa Electric's First SoBRA consisting of two solar projects (Balm and Payne Creek) totaling approximately 145 MW.

On December 7, 2018, the Commission entered its Order no. PSC–2018-0571-FOF-EI in Docket No. 20180133-EI, approving Tampa Electric's Second SoBRA consisting of five solar projects (Lithia, Grange Hall, Peace Creek, Bonnie Mine and Lake Handcock) totaling approximately 260.3 MW.

In this Petition, Tampa Electric seeks approval of (a) the Third SoBRA specified in subparagraph 6(b) of the 2017 Agreement and (b) the associated tariff changes necessary to implement the Third SoBRA. The Third SoBRA will provide cost recovery for two solar projects, Wimauma and Little Manatee River ("LMR"), totaling approximately 149.3 MW that are reasonably expected to be in service on or before January 1, 2020. As explained below, these solar projects, the Third SoBRA and the associated tariff changes meet the standards for approval in the 2017 Agreement and should be approved.

I. Preliminary Information

1. The Petitioner's name and address are:

   Tampa Electric Company
   702 North Franklin Street
   Tampa, Florida 33602

2. Any pleading, motion, notice, order or other document required to be served upon Tampa Electric or filed by any party to this proceeding shall be served upon the following individuals:

James D. Beasley
jbeasley@ausley.com
J. Jeffry Wahlen
jwahlen@ausley.com
Malcolm N. Means
mmeans@ausley.com
Ausley McMullen
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(850) 224-9115
(850) 222-7560 (fax)

Paula K. Brown
Manager, Regulatory Coordination
regdept@tecoenergy.com
Tampa Electric Company
P.O. Box 111
Tampa, FL 33601
(813) 228-1444

3. Tampa Electric, the Petitioner, is an investor-owned electric utility regulated by the Commission pursuant to Chapter 366, Florida Statutes, and is a wholly-owned subsidiary of TECO Energy, Inc., which is a wholly-owned subsidiary of Emera, Inc. The company's principal place of business is located at: 702 North Franklin Street, Tampa, Florida 33602.

4. Tampa Electric serves more than 750,000 retail customers in Hillsborough and portions of Polk, Pinellas and Pasco Counties in Florida.

5. This Petition represents an original pleading and is not in response to any proposed action by the Commission. Accordingly, the Petitioner is not responding to any proposed agency action.

II. Approval of the Third SoBRA

6. Paragraph 6 of the 2017 Agreement authorizes Tampa Electric to seek recovery through a Third SoBRA of 149.3 MW of new solar generation to be in service on or before January 1, 2020. Per the Agreement, for cost recovery purposes, the effective date of the Third

SoBRA can be no earlier than January 1, 2020, and the maximum incremental annual revenue requirement of the Third SoBRA may not exceed $30,600,000.

7. Subparagraph 6(i) of the 2017 Agreement specifies that the Third SoBRA be calculated using Tampa Electric's billing determinants from the company's most recent ECCR Clause filing and using projections of such billing determinants to align with the period for which the SoBRA charges are to be effective, the 12-month period during 2020, and the base rate adjustment derived on an annual basis. In addition, subparagraph 6(i) specifies that the revenue requirement for each SoBRA shall be allocated to the rate classes using the 12 Coincident Peak ("CP") and 1/13th Average Demand ("AD") method of allocating production plant and shall be applied to existing base rates, charges and credits using the following principles:

(i) 40 percent of the revenue requirements that would otherwise be allocated to the lighting class under the 12 CP and 1/13th AD methodology shall be allocated to the lighting class for recovery through an increase in the lighting base energy rate and the remaining 60 percent shall be allocated ratably to the other customer classes.

(ii) The revenue requirement associated with a SoBRA will be recovered through increases to demand charges where demand charges are part of a rate schedule, and through energy charges where no demand charge is used in a rate schedule.

(iii) Within GSD and IS rate classes, recovery of SoBRA revenue requirements allocated to rate classes will be borne by non-standby demand charges only within a rate class, which methodology will not impact RS and GS rate classes.

8. Subparagraph 6(g) of the 2017 Agreement specifies that the issues for determination in each proceeding for approval of a SoBRA shall be:

(a) the cost-effectiveness of the solar projects;

(b) whether the installed cost of each project is projected to be under the Installed Cost Cap;

(c) the amount of revenue requirements and appropriate increase in base rates needed to collect the estimated annual revenue requirement for the projects in a SoBRA;

(d) a true-up of previously approved SoBRAs for the actual cost of the previously approved projects, subject to the sharing provisions in subparagraph 6(m); and

(e) a true-up through the Capacity Cost Recovery Clause ("CCR") of previously approved SoBRAs to reflect the actual in-service dates and actual installed cost for each of the previously approved projects.

9. Subparagraph 6(g) of the 2017 Agreement states that the cost-effectiveness for the projects in a SoBRA shall be evaluated in total by considering only whether the projects in the SoBRA will lower the company's projected system cumulative present value revenue requirement ("CPVRR") as compared to such CPVRR without the solar projects.

10. Subparagraph 6(l) of the 2017 Agreement specifies that, subject to the revenue requirement limits in subparagraph (b) of the 2017 Agreement, a SoBRA will be calculated using the company's projected installed cost per kW_{ac} for each project in the SoBRA (subject to the Installed Cost Cap); reasonable estimates for depreciation expense, property taxes and fixed O&M expenses; an incremental capital structure reflecting the then current midpoint ROE and a 54 percent financial equity ratio adjusted to reflect the inclusion of investment tax credits on a normalized basis.

11. Subparagraph 6(d) of the 2017 Agreement specifies that the types of costs of solar projects that traditionally have been allowed in rate base are eligible for cost recovery via a SoBRA, and lists the following types of costs as examples: Engineering, Procurement and

Construction ("EPC") costs; development costs including third party development fees, if any; permitting and land acquisition costs; taxes, and utility costs to support or complete development; transmission interconnection costs; installation labor and equipment costs; costs associated with electrical balance of system, structural balance of system, inverters and modules; Allowance for Funds Used During Construction ("AFUDC") at the weighted average cost of capital from Exhibit A of the 2017 Agreement; and other traditionally allowed costs. Paragraph 6(m) of the 2017 Agreement creates a mechanism intended to induce the company to build solar projects at the lowest possible installed cost.

12. The Third SoBRA consists of two projects. The 74.8 MW Wimauma Solar project is located in Hillsborough County, Florida on 500 acres of agricultural land. The 74.5 MW LMR Solar Project is located in Hillsborough County, Florida on 603 acres of agricultural land. Both projects located in Tampa Electric's retail service area and are projected to be in service on or before January 1, 2020. The details of these projects are outlined in Appendix "A" to this Petition.

13. Together, the two projects in the Third SoBRA will lower the company's projected system cumulative present value revenue requirement ("CPVRR") as compared to such CPVRR without the solar projects; therefore, the projects are cost-effective.

14. The projected installed costs for the two projects in the Third SoBRA are:

Project Name	**Cost/kW$_{ac}$**
Wimauma Solar	$1,479
LMR Solar	$1,410

Both of these projects are below the $1,500 per kW_{ac} installed cost cap specified in subparagraph 6(d) of the 2017 Agreement.

15. Based on the standards specified in the 2017 Agreement, the projected annual revenue requirement for the Third SoBRA is $26,596,000, including the incentive specified in the 2017 Agreement. This amount is below the annual revenue requirement cap specified in the 2017 Agreement.

16. The appropriate increases in base rates needed to collect the estimated revenue requirement for the projects in the Third SoBRA, which were prepared based on the cost of service and rate design standards in the 2017 Agreement, are specified in the typical bill analysis included in Appendix "B", proposed redlined tariff sheets included in Appendix "C" as compared to the rates effective January 1, 2019, and proposed clean tariff sheets included in Appendix "D" to this Petition.

17. This is the Third SoBRA and actual data from the First and Second SoBRAs is not yet available for purposes of calculating a true-up amount, so this Petition does not include a true-up.

III. Statement of No Disputed Issue of Material Fact

18. Tampa Electric believes that there are no disputed issues of material fact that must be resolved in order for the Commission to grant this Petition and approve the Third SoBRA.

IV. Statement of Ultimate Facts Alleged and Providing the Basis for Relief

19. The ultimate facts that entitle Tampa Electric to the relief requested herein, i.e., approval of the Third SoBRA are:

(a) The Commission approved the 2017 Agreement by bench decision on November 6, 2017 in Docket No. 20170210-EI, which decision is reduced to writing and memorialized in the Final Order, and the applicable provisions in the 2017 Agreement specified above.

(b) The facts alleged in paragraphs 6 through 17, above.

20. Tampa Electric is entitled to the relief requested pursuant to the 2017 Agreement, the Final Order, Chapter 366, Florida Statutes, and Chapter 120, Florida Statutes.

V. Effective Date, Notice, and Final Hearing

21. Tampa Electric requests that the Commission provide public notice of this Petition for the approval of the Third SoBRA and set the Petition for approval of the Third SoBRA for final hearing. Tampa Electric asks that the Commission's consideration of the proposed SoBRA be decided by bench vote at the conclusion of the requested final hearing.

22. Tampa Electric requests that the Commission proceed expeditiously to issue the public notice of the hearing of this Petition for approval of the company's Third SoBRA and set the date for the requested final hearing at least fourteen (14) days after issuance of the public notice of the hearing consistent with Rule 28-106.302(2), F.A.C. As reflected in the 2017 Agreement, it is the Parties' intent that the tariff sheets reflected in Appendix "C" and Appendix "D" to this Petition become effective on the first billing cycle of January 2020. Accordingly, Tampa Electric respectfully requests that the final hearing be set not later than October 1, 2019, so the new and revised rates and tariffs can be implemented with the first billing cycle of January 2020.

23. In the alternative, because Tampa Electric is filing the proposed amended tariff sheets for approval, this Petition should be considered by the Commission as a "file and suspend" rate filing pursuant to Section 366.06(3), Florida Statutes. Accordingly, if the

Commission does not set a final hearing such that the Third SoBRA will be approved by January 1, 2020, Tampa Electric respectfully requests that the Commission authorize the implementation of Tampa Electric's tariff sheet changes, effective with the first billing cycle of January 2020, subject to refund, pending the outcome of the final hearing.

VI. Conclusion

24. For all the reasons provided in this Petition, and the supporting 2017 Agreement, complete with amended tariff sheets and other appendices filed with this Petition, Tampa Electric respectfully requests that the Commission promptly schedule the consideration of the company's Third SoBRA for final hearing, grant this Petition, and approve the Third SoBRA and related proposed tariff sheets pursuant to Section 366.076(1), Florida Statutes.

DATED this 28th day of June, 2019.

Respectfully submitted,

JAMES D. BEASLEY
J. JEFFRY WAHLEN
MALCOLM N. MEANS
Post Office Box 391
Tallahassee, Florida 32302
(850) 224-9115

ATTORNEYS FOR TAMPA ELECTRIC COMPANY

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing Petition, filed on behalf of Tampa Electric Company, has been furnished by electronic mail on this 28th day of June, 2019 to the following:

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ATTORNEY

APPENDIX “A”

THIRD SOBRA

PROJECT SPECIFICATIONS

Wimauma Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities		
(1)	Plant Name and Unit Number	Wimauma Solar
(2)	Net Capability	74.8 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date [1]	October 2017
	B. Commercial In-Service Date	January 2020
(5)	Fuel	
	A. Primary Fuel	Solar
	B. Alternate Fuel	N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	500 Acres
(9)	Construction Status	Planned
(10)	Certification Status	N/A
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data	
	Planned Outage Factor (POF)	N/A
	Forced Outage Factor (FOF)	N/A
	Equivalent Availability Factor (EAF)	N/A
	Resulting Capacity Factor (2018)	27.3% (1st Full Yr Operation)
	Average Net Operating Heat Rate (ANOHR)	N/A
(13)	Projected Unit Financial Data	
	Book Life (Years)	30
	Total Installed Cost (In-Service Year $/kW) [2]	1,479
	Direct Construction Cost ($/kW)	1,446
	AFUDC Amount ($/kW) [3]	32.27
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW-yr)	5.46
	Variable O&M ($/MWh)	0.0
	K-Factor [4]	1.10

1 Construction schedule includes engineering design and permitting
2 Total installed cost includes transmission interconnection
3 Based on the current AFUDC rate of 6.46%
4 W/o land

Little Manatee River Solar

Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Little Manatee River Solar
(2)	Net Capability	74.5 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date [1]	December 2017
	B. Commercial In-Service Date	January 2020
(5)	Fuel	
	A. Primary Fuel	Solar
	B. Alternate Fuel	N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	603 Acres
(9)	Construction Status	Planned
(10)	Certification Status	N/A
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data	
	Planned Outage Factor (POF)	N/A
	Forced Outage Factor (FOF)	N/A
	Equivalent Availability Factor (EAF)	N/A
	Resulting Capacity Factor (2018)	28.6% (1st Full Yr Operation)
	Average Net Operating Heat Rate (ANOHR)	N/A
(13)	Projected Unit Financial Data	
	Book Life (Years)	30
	Total Installed Cost (In-Service Year $/kW) [2]	1,410
	Direct Construction Cost ($/kW)	1,410
	AFUDC Amount ($/kW) [3]	N/A
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW-yr) [4]	13.38
	Variable O&M ($/MWh)	0.0
	K-Factor [5]	1.17

1 Construction schedule includes engineering design and permitting
2 Total installed cost includes transmission interconnection and excludes land costs
3 Based on the current AFUDC rate of 6.46%
4 Fixed O&M cost includes land lease
5 W/o land

APPENDIX “B”

TYPICAL BILL ANALYSIS

FLORIDA PUBLIC SERVICE COMMISSION | EXPLANATION: For each rate, calculate typical monthly bills for present rates and proposed rates. | Type of data shown:

XX Projected Test year Ended 12/31/2020

COMPANY: TAMPA ELECTRIC COMPANY

RS - RESIDENTIAL SERVICE

Line No.	RATE SCHEDULE RS (1) TYPICAL KW	(2) KWH	BILL UNDER PRESENT RATES (3) BASE RATE	(4) FUEL CHARGE	(5) ECCR CHARGE	(6) CAPACITY CHARGE	(7) ECRC CHARGE	(8) GRT CHARGE	(9) TOTAL	BILL UNDER PROPOSED RATES (10) BASE RATE	(11) FUEL CHARGE	(12) ECCR CHARGE	(13) CAPACITY CHARGE	(14) ECRC CHARGE	(15) GRT CHARGE	(16) TOTAL	INCREASE (17) DOLLARS (16)-(9)	(18) PERCENT (17)/(9)	COSTS IN CENTS/KWH (19) PRESENT (9)/(2)*100	(20) PROPOSED (16)/(2)*100
1	0	-	$ 15.12	$ -	$ -	$ -	$ -	$ 0.39	$ 15.51	$ 15.12	$ -	$ -	$ -	$ -	$ 0.39	$ 15.51	$ -	0.0%	-	-
2																				
3	0	100	$ 20.26	$ 2.91	$ 0.32	$ (0.01)	$ 0.22	$ 0.61	$ 24.31	$ 20.42	$ 2.86	$ 0.32	$ (0.01)	$ 0.22	$ 0.61	$ 24.41	$ 0.10	0.4%	24.31	24.41
4																				
5	0	250	$ 27.97	$ 7.28	$ 0.80	$ (0.03)	$ 0.56	$ 0.94	$ 37.53	$ 28.36	$ 7.14	$ 0.80	$ (0.03)	$ 0.56	$ 0.94	$ 37.78	$ 0.25	0.7%	15.01	15.11
6																				
7	0	500	$ 40.83	$ 14.57	$ 1.61	$ (0.05)	$ 1.11	$ 1.49	$ 59.55	$ 41.60	$ 14.28	$ 1.61	$ (0.05)	$ 1.11	$ 1.50	$ 60.04	$ 0.50	0.8%	11.91	12.01
8																				
9	0	750	$ 53.68	$ 21.85	$ 2.41	$ (0.08)	$ 1.67	$ 2.04	$ 81.56	$ 54.84	$ 21.41	$ 2.41	$ (0.08)	$ 1.67	$ 2.06	$ 82.31	$ 0.75	0.9%	10.88	10.97
10																				
11	0	1,000	$ 66.53	$ 29.13	$ 3.21	$ (0.10)	$ 2.22	$ 2.59	$ 103.58	$ 68.08	$ 28.55	$ 3.21	$ (0.10)	$ 2.22	$ 2.61	$ 104.58	$ 0.99	1.0%	10.36	10.46
12																				
13	0	1,250	$ 81.89	$ 38.91	$ 4.01	$ (0.13)	$ 2.78	$ 3.27	$ 130.73	$ 83.82	$ 38.19	$ 4.01	$ (0.13)	$ 2.78	$ 3.30	$ 131.97	$ 1.24	1.0%	10.46	10.56
14																				
15	0	1,500	$ 97.24	$ 48.70	$ 4.82	$ (0.15)	$ 3.33	$ 3.95	$ 157.88	$ 99.57	$ 47.83	$ 4.82	$ (0.15)	$ 3.33	$ 3.98	$ 159.37	$ 1.49	0.9%	10.53	10.62
16																				
17	0	2,000	$ 127.95	$ 68.26	$ 6.42	$ (0.20)	$ 4.44	$ 5.30	$ 212.17	$ 131.05	$ 67.10	$ 6.42	$ (0.20)	$ 4.44	$ 5.35	$ 214.16	$ 1.99	0.9%	10.61	10.71
18																				
19	0	3,000	$ 189.36	$ 107.39	$ 9.63	$ (0.30)	$ 6.66	$ 8.02	$ 320.76	$ 194.01	$ 105.65	$ 9.63	$ (0.30)	$ 6.66	$ 8.09	$ 323.75	$ 2.98	0.9%	10.69	10.79
20																				
21	0	5,000	$ 312.19	$ 185.65	$ 16.05	$ (0.50)	$ 11.10	$ 13.45	$ 537.94	$ 319.94	$ 182.75	$ 16.05	$ (0.50)	$ 11.10	$ 13.57	$ 542.91	$ 4.97	0.9%	10.76	10.86
22																				
23																				

		PRESENT		PROPOSED	
24					
25	CUSTOMER CHARGE	15.12	$/Bill	15.12	$/Bill
26	DEMAND CHARGE	-	$/KW	-	$/KW
27	ENERGY CHARGE				
28	0 - 1,000 KWH	5.141	¢/kWH	5.296	¢/kWH
29	Over 1,000 KWH	6.141	¢/kWH	6.296	¢/kWH
30	FUEL CHARGE				
31	0 - 1,000 KWH	2.913	¢/kWH	2.855	¢/kWH
32	Over 1,000 KWH	3.913	¢/kWH	3.855	¢/kWH
33	CONSERVATION CHARGE	0.321	¢/kWH	0.321	¢/kWH
34	CAPACITY CHARGE	(0.010)	¢/kWH	(0.010)	¢/kWH
35	ENVIRONMENTAL CHARGE	0.222	¢/kWH	0.222	¢/kWH
36	Notes:				
37	A. Current base rates are as of January 01, 2019.				
38	B. Current and Proposed clause rates are as of April 01, 2019.				
39	C. Proposed fuel rates are projected 2020 rates.				

Supporting Schedules: E-13c, E-14 Supplement | Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: For each rate, calculate typical monthly bills for present rates and proposed rates.

Type of data shown:
XX Projected Test year Ended 12/31/2020

COMPANY: TAMPA ELECTRIC COMPANY

GS - GENERAL SERVICE NON-DEMAND

Line No.	RATE SCHEDULE GS (1) TYPICAL KW	(2) TYPICAL KWH	BILL UNDER PRESENT RATES (3) BASE RATE	(4) FUEL CHARGE	(5) ECCR CHARGE	(6) CAPACITY CHARGE	(7) ECRC CHARGE	(8) GRT CHARGE	(9) TOTAL	BILL UNDER PROPOSED RATES (10) BASE RATE	(11) FUEL CHARGE	(12) ECCR CHARGE	(13) CAPACITY CHARGE	(14) ECRC CHARGE	(15) GRT CHARGE	(16) TOTAL	INCREASE (17) DOLLARS (16)-(9)	(18) PERCENT (17)/(9)	COSTS IN CENTS/KWH (19) PRESENT (9)/(2)*100	(20) PROPOSED (16)/(2)*100
1	0	-	$ 18.14	$ -	$ -	$ -	$ -	$ 0.47	$ 18.61	$ 18.14	$ -	$ -	$ -	$ -	$ 0.47	$ 18.61	$ -	0.0%	-	-
2																				
3	0	100	$ 23.55	$ 3.23	$ 0.29	$ (0.01)	$ 0.22	$ 0.70	$ 27.98	$ 23.71	$ 3.17	$ 0.29	$ (0.01)	$ 0.22	$ 0.70	$ 28.08	$ 0.10	0.4%	27.98	28.08
4																				
5	0	250	$ 31.67	$ 8.07	$ 0.73	$ (0.02)	$ 0.55	$ 1.05	$ 42.05	$ 32.06	$ 7.92	$ 0.73	$ (0.02)	$ 0.55	$ 1.06	$ 42.30	$ 0.25	0.6%	16.82	16.92
6																				
7	0	500	$ 45.20	$ 16.14	$ 1.46	$ (0.05)	$ 1.11	$ 1.64	$ 65.49	$ 45.98	$ 15.85	$ 1.46	$ (0.05)	$ 1.11	$ 1.65	$ 65.99	$ 0.50	0.8%	13.10	13.20
8																				
9	0	750	$ 58.73	$ 24.20	$ 2.19	$ (0.07)	$ 1.66	$ 2.22	$ 88.93	$ 59.90	$ 23.77	$ 2.19	$ (0.07)	$ 1.66	$ 2.24	$ 89.69	$ 0.75	0.8%	11.86	11.96
10																				
11	0	1,000	$ 72.26	$ 32.27	$ 2.92	$ (0.09)	$ 2.21	$ 2.81	$ 112.38	$ 73.81	$ 31.69	$ 2.92	$ (0.09)	$ 2.21	$ 2.83	$ 113.38	$ 1.00	0.9%	11.24	11.34
12																				
13	0	1,250	$ 85.79	$ 40.34	$ 3.65	$ (0.11)	$ 2.76	$ 3.40	$ 135.82	$ 87.73	$ 39.61	$ 3.65	$ (0.11)	$ 2.76	$ 3.43	$ 137.07	$ 1.25	0.9%	10.87	10.97
14																				
15	0	1,500	$ 99.32	$ 48.41	$ 4.38	$ (0.14)	$ 3.32	$ 3.98	$ 159.26	$ 101.65	$ 47.54	$ 4.38	$ (0.14)	$ 3.32	$ 4.02	$ 160.77	$ 1.50	0.9%	10.62	10.72
16																				
17	0	2,000	$ 126.38	$ 64.54	$ 5.84	$ (0.18)	$ 4.42	$ 5.15	$ 206.15	$ 129.49	$ 63.38	$ 5.84	$ (0.18)	$ 4.42	$ 5.20	$ 208.15	$ 2.00	1.0%	10.31	10.41
18																				
19	0	3,000	$ 180.50	$ 96.81	$ 8.76	$ (0.27)	$ 6.63	$ 7.50	$ 299.92	$ 185.16	$ 95.07	$ 8.76	$ (0.27)	$ 6.63	$ 7.57	$ 302.93	$ 3.00	1.0%	10.00	10.10
20																				
21	0	5,000	$ 288.73	$ 161.35	$ 14.60	$ (0.45)	$ 11.05	$ 12.19	$ 487.47	$ 296.51	$ 158.45	$ 14.60	$ (0.45)	$ 11.05	$ 12.31	$ 492.48	$ 5.01	1.0%	9.75	9.85
22																				
23	0	8,500	$ 478.15	$ 274.30	$ 24.82	$ (0.77)	$ 18.79	$ 20.39	$ 815.67	$ 491.38	$ 269.37	$ 24.82	$ (0.77)	$ 18.79	$ 20.60	$ 824.19	$ 8.51	1.0%	9.60	9.70
24																				
25																				

		PRESENT		PROPOSED	
26					
27	CUSTOMER CHARGE	18.14	$/Bill	18.14	$/Bill
28	ENERGY CHARGE	5.412	¢/kWH	5.568	¢/kWH
29	FUEL CHARGE	3.227	¢/kWH	3.169	¢/kWH
30	CONSERVATION CHARGE	0.292	¢/kWH	0.292	¢/kWH
31	CAPACITY CHARGE	(0.009)	¢/kWH	(0.009)	¢/kWH
32	ENVIRONMENTAL CHARGE	0.221	¢/kWH	0.221	¢/kWH
33					

34 Notes:

35 A. Current base rates are as of January 01, 2019.

36 B. Current and Proposed clause rates are as of April 01, 2019.

37 C. Proposed fuel rates are projected 2020 rates.

38

39

Supporting Schedules: E-13c, E-14 Supplement

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION EXPLANATION: For each rate, calculate typical monthly bills for present rates and proposed rates.

Type of data shown:
XX Projected Test year Ended 12/31/2020

COMPANY: TAMPA ELECTRIC COMPANY

GSD - GENERAL SERVICE DEMAND

RATE SCHEDULE GSD

Line No.	(1) TYPICAL KW	(2) TYPICAL KWH	BILL UNDER PRESENT RATES (3) BASE RATE	(4) FUEL CHARGE	(5) ECCR CHARGE	(6) CAPACITY CHARGE	(7) ECRC CHARGE	(8) GRT CHARGE	(9) TOTAL	BILL UNDER PROPOSED RATES (10) BASE RATE	(11) FUEL CHARGE	(12) ECCR CHARGE	(13) CAPACITY CHARGE	(14) ECRC CHARGE	(15) GRT CHARGE	(16) TOTAL	INCREASE (17) DOLLARS (16)-(9)	(18) PERCENT (17)/(9)	COSTS IN CENTS/KWH (19) PRESENT (9)/(2)*100	(20) PROPOSED (16)/(2)*100
1	75	10,950	$ 741.33	$ 353.36	$ 29.78	$ (0.77)	$ 24.09	$ 29.43	$ 1,177.23	$ 761.81	$ 347.01	$ 29.78	$ (0.77)	$ 24.09	$ 29.79	$ 1,191.71	$ 14.49	1.2%	10.75	10.88
2	75	19,163	$ 1,130.26	$ 618.37	$ 87.75	$ (2.25)	$ 42.16	$ 48.11	$ 1,924.40	$ 1,167.01	$ 607.26	$ 87.75	$ (2.25)	$ 42.16	$ 48.77	$ 1,950.69	$ 26.29	1.4%	10.04	10.18
3	75	32,850	$ 1,348.66	$ 1,060.07	$ 87.75	$ (2.25)	$ 72.27	$ 65.81	$ 2,632.31	$ 1,385.41	$ 1,041.02	$ 87.75	$ (2.25)	$ 72.27	$ 66.26	$ 2,650.46	$ 18.15	0.7%	8.01	8.07
4	75	49,275	$ 1,568.73	$ 1,583.94	$ 87.75	$ (2.25)	$ 108.41	$ 85.81	$ 3,432.39	$ 1,604.49	$ 1,555.37	$ 87.75	$ (2.25)	$ 108.41	$ 85.99	$ 3,439.75	$ 7.36	0.2%	6.97	6.98
5																				
6	500	73,000	$ 4,770.86	$ 2,355.71	$ 198.56	$ (5.11)	$ 160.60	$ 191.81	$ 7,672.43	$ 4,907.37	$ 2,313.37	$ 198.56	$ (5.11)	$ 160.60	$ 194.23	$ 7,769.01	$ 96.58	1.3%	10.51	10.64
7	500	127,750	$ 7,363.69	$ 4,122.49	$ 585.00	$ (15.00)	$ 281.05	$ 316.34	$ 12,653.57	$ 7,608.69	$ 4,048.40	$ 585.00	$ (15.00)	$ 281.05	$ 320.72	$ 12,828.86	$ 175.29	1.4%	9.90	10.04
8	500	219,000	$ 8,819.73	$ 7,067.13	$ 585.00	$ (15.00)	$ 481.80	$ 434.32	$ 17,372.98	$ 9,064.73	$ 6,940.11	$ 585.00	$ (15.00)	$ 481.80	$ 437.35	$ 17,493.99	$ 121.01	0.7%	7.93	7.99
9	500	328,500	$ 10,286.82	$ 10,559.63	$ 585.00	$ (15.00)	$ 722.70	$ 567.67	$ 22,706.83	$ 10,525.22	$ 10,369.10	$ 585.00	$ (15.00)	$ 722.70	$ 568.90	$ 22,755.92	$ 49.10	0.2%	6.91	6.93
10																				
11	2000	292,000	$ 18,992.72	$ 9,422.84	$ 794.24	$ (20.44)	$ 642.40	$ 764.92	$ 30,596.68	$ 19,538.76	$ 9,253.48	$ 794.24	$ (20.44)	$ 642.40	$ 774.57	$ 30,983.01	$ 386.34	1.3%	10.48	10.61
12	2000	511,000	$ 29,364.05	$ 16,489.97	$ 2,340.00	$ (60.00)	$ 1,124.20	$ 1,263.03	$ 50,521.25	$ 30,344.05	$ 16,193.59	$ 2,340.00	$ (60.00)	$ 1,124.20	$ 1,280.56	$ 51,222.40	$ 701.15	1.4%	9.89	10.02
13	2000	876,000	$ 35,188.20	$ 28,268.52	$ 2,340.00	$ (60.00)	$ 1,927.20	$ 1,734.97	$ 69,398.90	$ 36,168.20	$ 27,760.44	$ 2,340.00	$ (60.00)	$ 1,927.20	$ 1,747.07	$ 69,882.92	$ 484.02	0.7%	7.92	7.98
14	2000	1,314,000	$ 41,056.58	$ 42,238.53	$ 2,340.00	$ (60.00)	$ 2,890.80	$ 2,268.35	$ 90,734.26	$ 42,010.18	$ 41,476.41	$ 2,340.00	$ (60.00)	$ 2,890.80	$ 2,273.26	$ 90,930.65	$ 196.39	0.2%	6.91	6.92
15																				

	PRESENT					PROPOSED				
	GSD	GSDT		GSD OPT.		GSD	GSDT		GSD OPT.	
CUSTOMER CHARGE	30.24	30.24	$/Bill	30.24	$/Bill	30.24	30.24		30.24	$/Bill
DEMAND CHARGE	10.59	-	$/KW	-	$/KW	11.08	-	$/KW	-	$/KW
BILLING	-	3.57	$/KW	-	$/KW	-	3.73	$/KW	-	$/KW
PEAK	-	7.02	$/KW	-	$/KW	-	7.34	$/KW	-	$/KW
ENERGY CHARGE	1.596	-	¢/KWH	6.494	¢/KWH	1.596	-	¢/KWH	6.681	¢/KWH
ON-PEAK	-	2.921	¢/KWH	-	¢/KWH	-	2.921	¢/KWH	-	¢/KWH
OFF-PEAK	-	1.054	¢/KWH	-	¢/KWH	-	1.054	¢/KWH	-	¢/KWH
FUEL CHARGE	3.227	-	¢/KWH	3.227	¢/KWH	3.169	-	¢/KWH	3.169	¢/KWH
ON-PEAK		3.411	¢/KWH	-	¢/KWH		3.350	¢/KWH	-	¢/KWH
OFF-PEAK		3.149	¢/KWH	-	¢/KWH		3.092	¢/KWH	-	¢/KWH
CONSERVATION CHARGE	1.17	1.17	$/KW	0.272	¢/KWH	1.17	1.17	$/KW	0.272	¢/KWH
CAPACITY CHARGE	(0.03)	(0.03)	$/KW	(0.007)	¢/KWH	(0.03)	(0.03)	$/KW	(0.007)	¢/KWH
ENVIRONMENTAL CHARGE	0.220	0.220	¢/KWH	0.220	¢/KWH	0.220	0.220	¢/KWH	0.220	¢/KWH

Notes:
A. The kWh for each kW group is based on 20, 35, 60, and 90% load factors (LF).
B. Charges at 20% LF are based on the GSD Option rate; 35% and 60% LF charges are based on the standard rate; and 90% LF charges are based on the TOD rate.
C. All calculations assume meter and service at secondary voltage.
D. TOD energy charges assume 25/75 on/off-peak % for 90% LF. Peak demand to billing demand ratios are assumed to be 99% at 90% LF.
E. Current base rates are as of January 01, 2019
F. Current and proposed clause rates are as of April 01, 2019
G. Proposed fuel rate is projected 2020 rate.

Supporting Schedules: E-13c, E-14 Supplement

Recap Schedules:

FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: For each rate, calculate typical monthly bills for present rates and proposed rates.

Type of data shown:
XX Projected Test year Ended 12/31/2020

COMPANY: TAMPA ELECTRIC COMPANY

IS - INTERRUPTIBLE SERVICE

RATE SCHEDULE IS-1

Line No.	(1) TYPICAL KW	(2) TYPICAL KWH	BILL UNDER PRESENT RATES (3) BASE RATE	(4) CCV CREDIT	(5) FUEL CHARGE	(6) ECCR CHARGE	(7) CAPACITY CHARGE	(8) ECRC CHARGE	(9) GRT CHARGE	(10) TOTAL	BILL UNDER PROPOSED RATES (11) BASE RATE	(12) CCV CREDIT	(13) FUEL CHARGE	(14) ECCR CHARGE	(15) CAPACITY CHARGE	(16) ECRC CHARGE	(17) GRT CHARGE	(18) TOTAL	INCREASE (19) DOLLARS (16)-(9)	(20) PERCENT (17)/(9)	COSTS IN CENTS/KWH (21) PRESENT (9)/(2)*100	(22) FINAL (16)/(2)*100
1	500	127,750	$ 5,406	$ (1,772.75)	$ 4,081.61	$ 465.00	$ (15.00)	$ 273.39	$ 216	$ 8,654	$ 5,871	$ (1,772.75)	$ 4,008.80	$ 465.00	$ (15.00)	$ 273.39	$ 226.42	$ 9,056.62	$ 402	4.6%	6.77	7.09
2	500	219,000	$ 7,709	$ (3,039.00)	$ 6,997.05	$ 465.00	$ (15.00)	$ 468.66	$ 323	$ 12,908	$ 8,174	$ (3,039.00)	$ 6,872.22	$ 465.00	$ (15.00)	$ 468.66	$ 331.42	$ 13,256.84	$ 349	2.7%	5.89	6.05
3	500	328,500	$ 10,472	$ (4,558.50)	$ 10,455.33	$ 465.00	$ (15.00)	$ 702.99	$ 449	$ 17,971	$ 10,937	$ (4,558.50)	$ 10,268.09	$ 465.00	$ (15.00)	$ 702.99	$ 456.40	$ 18,255.83	$ 285	1.6%	5.47	5.56
4																						
5	1,000	255,500	$ 10,185	$ (3,545.50)	$ 8,163.23	$ 930.00	$ (30.00)	$ 546.77	$ 417	$ 16,666	$ 11,115	$ (3,545.50)	$ 8,017.59	$ 930.00	$ (30.00)	$ 546.77	$ 436.76	$ 17,470.26	$ 804	4.8%	6.52	6.84
6	1,000	438,000	$ 14,790	$ (6,078.00)	$ 13,994.10	$ 930.00	$ (30.00)	$ 937.32	$ 629	$ 25,173	$ 15,720	$ (6,078.00)	$ 13,744.44	$ 930.00	$ (30.00)	$ 937.32	$ 646.77	$ 25,870.70	$ 698	2.8%	5.75	5.91
7	1,000	657,000	$ 20,317	$ (9,117.00)	$ 20,910.67	$ 930.00	$ (30.00)	$ 1,405.98	$ 882	$ 35,299	$ 21,247	$ (9,117.00)	$ 20,536.18	$ 930.00	$ (30.00)	$ 1,405.98	$ 896.72	$ 35,868.68	$ 570	1.6%	5.37	5.46
8																						
9	5,000	1,277,500	$ 48,416	$ (17,727.50)	$ 40,816.13	$ 4,650.00	$ (150.00)	$ 2,733.85	$ 2,019	$ 80,757	$ 53,066	$ (17,727.50)	$ 40,087.95	$ 4,650.00	$ (150.00)	$ 2,733.85	$ 2,119.48	$ 84,779.39	$ 4,022	5.0%	6.32	6.64
10	5,000	2,190,000	$ 71,443	$ (30,390.00)	$ 69,970.50	$ 4,650.00	$ (150.00)	$ 4,686.60	$ 3,082	$ 123,293	$ 76,093	$ (30,390.00)	$ 68,722.20	$ 4,650.00	$ (150.00)	$ 4,686.60	$ 3,169.54	$ 126,781.59	$ 3,489	2.8%	5.63	5.79
11	5,000	3,285,000	$ 99,076	$ (45,585.00)	$ 104,553.34	$ 4,650.00	$ (150.00)	$ 7,029.90	$ 4,348	$ 173,923	$ 103,726	$ (45,585.00)	$ 102,680.89	$ 4,650.00	$ (150.00)	$ 7,029.90	$ 4,419.28	$ 176,771.51	$ 2,849	1.6%	5.29	5.38
12																						

Line No.		PRESENT IS	PRESENT IST		PROPOSED IS	PROPOSED IST	
13							
14							
15	CUSTOMER CHARGE	626.90	626.90	$/Bill	626.90	626.90	$/Bill
16	DEMAND CHARGE	3.11	3.11	$/KW	4.04	4.04	$/KW
17	PEAK DEMAND CHARGE	-	-	$/KW	-	-	$/KW
	ENERGY CHARGE	2.524	-	¢/kWH	2.524	-	¢/kWH
18	ON-PEAK ENERGY CHARGE	-	2.524	¢/kWH	-	2.524	¢/kWH
19	OFF-PEAK ENERGY CHARGE	-	2.524	¢/kWH	-	2.524	¢/kWH
20	DELIVERY VOLTAGE CREDIT	-	-	$/KW	-	-	$/KW
21	FUEL CHARGE	3.195	-	¢/kWH	3.138	-	¢/kWH
22	ON-PEAK	-	3.377	¢/kWH	-	3.317	¢/kWH
23	OFF-PEAK	-	3.118	¢/kWH	-	3.062	¢/kWH
24	CONSERVATION CHARGE	0.93	0.93	$/KW	0.93	0.93	$/KW
25	CAPACITY CHARGE	(0.03)	(0.03)	$/KW	(0.03)	(0.03)	$/KW
26	ENVIRONMENTAL CHARGE	0.214	0.214	¢/kWH	0.214	0.214	¢/kWH
27							
28	GSLM-2 CONTRACT CREDIT VALUE	(10.13)	(10.13)	$/kW	(10.13)	(10.13)	$/kW
29							

30 Notes:
31 A. The kWh for each kW group is based on 35, 60, and 90% load factors (LF).
32 B. Charges at 35% and 60% LF are based on standard rates and charges at 90% LF are based on TOD rates. Peak demand to billing demand ratios are assumed to be 99% at 90% LF.
33 C. Calculations assume meter and service at primary voltage and a power factor of 85%.
34 D. TOD energy charges assume 25/75 on/off-peak % for 90% LF.
35 E. CCV credits in columns 5 and 12 are load-factor adjusted and reflect service at primary voltage.
36 F. The present GSLM-2 Contract Credit Value represents the 2019 factor. The proposed GSLM-2 Contract Credit Value for 2019 is the same.
37 G. Current base rates are as of January 01, 2019
38 H. Current and proposed clause rates are as of April 01, 2019
39 I. Proposed fuel rate is projected 2020 rate.

Supporting Schedules: E-13c, E-14 Supplement

Recap Schedules:

APPENDIX "C"

PROPOSED REDLINED TARIFF SHEETS

RESIDENTIAL SERVICE

SCHEDULE: RS

AVAILABLE: Entire service area.

APPLICABLE: To residential consumers in individually metered private residences, apartment units, and duplex units. All energy must be for domestic purposes and should not be shared with or sold to others. In addition, energy used in commonly-owned facilities in condominium and cooperative apartment buildings will qualify for this rate schedule, subject to the following criteria:

1. 100% of the energy is used exclusively for the co-owners' benefit.
2. None of the energy is used in any endeavor which sells or rents a commodity or provides service for a fee.
3. Each point of delivery will be separately metered and billed.
4. A responsible legal entity is established as the customer to whom the Company can render its bills for said service.

Resale not permitted.

Billing charges shall be prorated for billing periods that are less than 25 days or greater than 35 days. If the billing period exceeds 35 days and the billing extension causes energy consumption, based on average daily usage, to exceed 1,000 kWh, the excess consumption will be charged at the lower monthly Energy and Demand Charge.

LIMITATION OF SERVICE: This schedule includes service to single phase motors rated up to 7.5 HP. Three phase service may be provided where available for motors rated 7.5 HP and over.

MONTHLY RATE:

Basic Service Charge:
$15.12

Energy and Demand Charge:

First 1,000 kWh	5.~~141~~296¢ per kWh
All additional kWh	6.~~141~~296¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.031

GENERAL SERVICE - NON DEMAND

SCHEDULE: GS

AVAILABLE: Entire service area.

APPLICABLE: For lighting and power in establishments not classified as residential whose energy consumption has not exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

LIMITATION OF SERVICE: All service under this rate shall be furnished through one meter. Standby service permitted on Schedule GST only.

MONTHLY RATE:

Basic Service Charge:

Metered accounts	$18.14
Un-metered accounts	$15.12

Energy and Demand Charge:

5.~~412~~568¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.~~164~~169¢ per kWh of billing energy. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.051

GENERAL SERVICE - DEMAND

SCHEDULE: GSD

AVAILABLE: Entire service area.

APPLICABLE: To any customer whose energy consumption has exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. Also available to customers with energy consumption at any level below 9,000 kWh per billing period who agree to remain on this rate for at least twelve (12) months. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: A-C; 60 cycles; 3 phase; at any standard Company voltage.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

STANDARD		OPTIONAL	
Basic Service Charge:		Basic Service Charge:	
Secondary Metering Voltage	$ 30.24	Secondary Metering Voltage	$ 30.24
Primary Metering Voltage	$ 131.03	Primary Metering Voltage	$ 131.03
Subtrans. Metering Voltage	$ 997.80	Subtrans. Metering Voltage	$ 997.80
Demand Charge:		Demand Charge:	
$~~10.59~~11.08 per kW of billing demand		$0.00 per kW of billing demand	
Energy Charge:		Energy Charge:	
1.596¢ per kWh		6.~~494~~681¢ per kWh	

The customer may select either standard or optional. Once an option is selected, the customer must remain on that option for twelve (12) consecutive months.

Continued to Sheet No. 6.081

Continued from Sheet No. 6.080

BILLING DEMAND: The highest measured 30-minute interval kW demand during the billing period.

MINIMUM CHARGE: The Basic Service Charge and any Minimum Charge associated with optional riders.

TEMPORARY DISCONTINUANCE OF SERVICE: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within 12 months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued.

POWER FACTOR: Power factor will be calculated for customers with measured demands of 1,000 kW or more in any one billing period out of twelve (12) consecutive billing periods ending with the current billing period. When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When a customer under the standard rate takes service at primary voltage, a discount of ~~86~~90¢ per kW of billing demand will apply. A discount of $2.~~66~~ 78 per kW of billing demand will apply when a customer under the standard rate takes service at subtransmission or higher voltage.

Continued to Sheet No. 6.082

Continued from Sheet No. 6.081

When a customer under the optional rate takes service at primary voltage, a discount of 0.~~228~~239¢ per kWh will apply. A discount of 0.~~695~~727¢ per kWh will apply when a customer under the optional rate takes service at subtransmission or higher voltage.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~68~~71¢ per kW of billing demand for customers taking service under the standard rate and 0.~~172~~180¢/kWh for customer taking service under the optional rate. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

INTERRUPTIBLE SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: IS

AVAILABLE: Entire Service Area.

APPLICABLE: To be eligible for service under Rate Schedule IS, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Agreement for the Purchase of Industrial Load Management Service under Rate Schedule GSLM-2. When electric service is desired at more than one location, each such location or point of delivery shall be considered as a separate customer. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

Basic Service Charge:

Primary Metering Voltage	$ 626.90
Subtransmission Metering Voltage	$2,390.70

Demand Charge:
$~~3.11~~4.04 per KW of billing demand

Energy Charge:
2.524¢ per KWH

Continued to Sheet No. 6.086

Continued from Sheet No. 6.085

BILLING DEMAND: The highest measured 30-minute interval KW demand during the month.

MINIMUM CHARGE: The Basic Service Charge and any Minimum Charge associated with optional riders.

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% of the energy and demand charge will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of ~~85¢~~$1.10 per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.~~22~~ 58 per KW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.087

CONSTRUCTION SERVICE

SCHEDULE: CS

AVAILABLE: Entire service area.

APPLICABLE: Single phase temporary service used primarily for construction purposes.

LIMITATION OF SERVICE: Service is limited to construction poles and services installed under the TUG program. Construction poles are limited to a maximum of 70 amperes at 240 volts for construction poles. Larger (non-TUG) services and three phase service entrances must be served under the appropriate rate schedule, plus the cost of installing and removing the temporary facilities is required.

MONTHLY RATE:
Basic Service Charge: $18.14

Energy and Demand Charge: 5.~~412~~568¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

MISCELLANEOUS: A Temporary Service Charge of $260.00 shall be paid upon application for the recovery of costs associated with providing, installing, and removing the company's temporary service facilities for construction poles. Where the Company is required to provide additional facilities other than a service drop or connection point to the Company's existing distribution system, the customer shall also pay, in advance, for the estimated cost of providing, installing and removing such additional facilities, excluding the cost of any portion of these facilities which will remain as a part of the permanent service.

PAYMENT OF BILLS: See Sheet No. 6.022.

TIME-OF-DAY
GENERAL SERVICE - NON DEMAND
(OPTIONAL)

SCHEDULE: GST

AVAILABLE: Entire service area.

APPLICABLE: For lighting and power in establishments not classified as residential whose energy consumption has not exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. All of the electric load requirements on the customer's premises must be metered at one (1) point of delivery. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

LIMITATION OF SERVICE: All service under this rate shall be furnished through one meter. Standby service permitted.

MONTHLY RATE:

Basic Service Charge:
$20.16

Energy and Demand Charge:
~~14.963~~12.521¢ per kWh during peak hours
~~2.108~~3.162¢ per kWh during off-peak hours

Continued to Sheet No. 6.321

Continued from Sheet No. 6.320

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours: (Monday-Friday)	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

MINIMUM CHARGE: The Basic Service Charge.

BASIC SERVICE CHARGE CREDIT: Any customer who makes a one time contribution in aid of construction of $94.00 (lump-sum meter payment), shall receive a credit of $2.02 per month. This contribution in aid of construction will be subject to a partial refund if the customer terminates service on this optional time-of-day rate.

TERMS OF SERVICE: A customer electing this optional rate shall have the right to transfer to the standard applicable rate at any time without additional charge for such transaction, except that any customer who requests this optional rate for the second time on the same premises will be required to sign a contract to remain on this rate for at least one (1) year.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.~~164~~169¢ per kWh of billing energy. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.322

TIME-OF-DAY
GENERAL SERVICE - DEMAND
(OPTIONAL)

SCHEDULE: GSDT

AVAILABLE: Entire service area.

APPLICABLE: To any customer whose energy consumption has exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. Also available to customers with energy consumption at any level below 9,000 kWh per billing period who agree to remain on this rate for at least twelve (12) months. For any billing period that exceeds 35 days, the consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: A-C; 60 cycles; 3 phase; at any standard Company voltage.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

Basic Service Charge:

Secondary Metering Voltage	$ 30.24
Primary Metering Voltage	$ 131.03
Subtransmission Metering Voltage	$ 997.80

Demand Charge:

$3.~~57~~ 73 per kW of billing demand, plus
$7.~~02~~ 34 per kW of peak billing demand

Energy Charge:

2.921¢ per kWh during peak hours
1.054¢ per kWh during off-peak hours

Continued to Sheet No. 6.331

Continued from Sheet No. 6.331

POWER FACTOR: Power factor will be calculated for customers with measured demands of 1,000 kW in any billing period out of twelve (12) consecutive billing periods ending with the current billing period. When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage a discount of ~~86~~90¢ per kW of billing demand will apply. When the customer takes service at subtransmission or higher voltage, a discount of $2.~~66~~ 78 per kW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~68~~71¢ per kW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

TIME OF DAY
INTERRUPTIBLE SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: IST

AVAILABLE: Entire Service Area.

APPLICABLE: To be eligible for service under Rate Schedule IST, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Agreement for the Purchase of Industrial Load Management Service under Rate Schedule GSLM-2. When electric service is desired at more than one location, each such location or point of delivery shall be considered as a separate customer. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

Basic Service Charge:

Primary Metering Voltage	$ 626.90
Subtransmission Metering Voltage	$2,390.70

Demand Charge:
$~~3.11~~4.04 per KW of billing demand

Energy Charge:
2.524¢ per KWH

Continued to Sheet No. 6.345

Continued from Sheet No. 6.345

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% of the energy and demand charge will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of ~~85¢~~$1.10 per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.~~22~~ 58 per KW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.025.

Continued from Sheet No. 6.560

MONTHLY RATES:
Basic Service Charge: $15.12

Energy and Demand Charges: 5.~~455~~610¢ per kWh (for all pricing periods)

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

DETERMINATION OF PRICING PERIODS: Pricing periods are established by season for weekdays and weekends. The pricing periods for price levels P_1 (Low Cost Hours), P_2 (Moderate Cost Hours) and P_3 (High Cost Hours) are as follows:

May through October	**P_1**	**P_2**	**P_3**
Weekdays	11 P.M. to 6 A.M.	6 A.M. to 1 P.M. 6 P.M. to 11 P.M.	1 P.M. to 6 P.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	----------

November through April	**P_1**	**P_2**	**P_3**
Weekdays	11 P.M. to 5 A.M.	5 A.M. to 6 A.M. 10 A.M. to 11 P.M.	6 A.M. to 10 A.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	----------

The pricing periods for price level P_4 (Critical Cost Hours) shall be determined at the sole discretion of the Company. Level P_4 hours shall not exceed 134 hours per year.

Continued to Sheet No. 6.570

Continued from Sheet No. 6.600

CHARGES FOR SUPPLEMENTAL SERVICE:

Demand Charge:

$~~10.59~~11.08 per kW-Month of Supplemental Billing Demand (Supplemental Billing Demand Charge)

Energy Charge:

1.596¢ per Supplemental kWh

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours: (Monday-Friday)	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

BILLING UNITS:

Demand Units: Metered Demand - The highest measured 30-minute interval kW demand served by the company during the month.

Site Load - The highest kW total of Customer generation plus deliveries by the company less deliveries to the Company, occurring in the same 30-minute interval, during the month.

Normal Generation - The generation level equaled or exceeded by the Customer's generation 10% of the metered intervals during the previous twelve months.

Supplemental Billing Demand - The amount, if any, by which the highest Site Load during any 30-minute interval in the month exceeds Normal Generation, but no greater than Metered Demand.

Continued to Sheet No. 6.602

Continued from Sheet No. 6.602

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage, a discount of ~~86~~90¢ per kW of Supplemental Demand and 63¢ per kW of Standby Demand will apply.

When the customer takes service at subtransmission or higher voltage, a discount of $2.~~66~~ 78 per kW of Supplemental Demand and $1.97 per kW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~68~~71¢ per kW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021. Note: Standby fuel charges shall be based on the time of use (i.e., peak and off-peak) fuel rates for Rate Schedule SBF. Supplemental fuel charges shall be based on the standard fuel rate for Rate Schedule SBF.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

Continued from Sheet No. 6.605

CHARGES FOR SUPPLEMENTAL SERVICE

Demand Charge:

~~$3.57~~3.73 per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus

$7.~~02~~34 per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing Demand Charge)

Energy Charge:

2.921¢ per Supplemental kWh during peak hours

1.054¢ per Supplemental kWh during off-peak hours

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours: (Monday-Friday)	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

BILLING UNITS:

Demand Units: Metered Demand - The highest measured 30-minute interval kW demand served by the Company during the month.

Metered Peak Demand - The highest measured 30-minute interval kW demand served by the Company during the peak hours.

Site Load - The highest kW total of Customer generation plus deliveries by the company less deliveries to the company, occurring in the same 30-minute interval, during the month.

Continued to Sheet No. 6.607

Continued from Sheet No. 6.607

TERM OF SERVICE: Any customer receiving service under this schedule will be required to give the Company written notice at least 60 months prior to transferring to a firm non-standby schedule. Such notice shall be irrevocable unless the Company and the customer should mutually agree to void the notice.

TEMPORARY DISCONTINUANCE OF SERVICE: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within 12 months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued.

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charges, Energy Charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charges, Energy Charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage, a discount of ~~86~~90¢ per kW of Supplemental Demand and 63¢ per kW of Standby Demand will apply.

When the customer takes service at subtransmission or higher voltage, a discount of $2.~~66~~ 78 per kW of Supplemental Demand and $1.97 per kW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~68~~71¢ per kW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.609

INTERRUPTIBLE STANDBY AND SUPPLEMENTAL SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: SBI

AVAILABLE: Entire service area.

APPLICABLE: Required for all self-generating customers eligible for service under rate schedules IS or IST whose generating capacity in kilowatts (exclusive of emergency generation equipment) exceeds 20% of their site load in kilowatts. Also available to self-generating customers eligible for service under rate schedules IS or IST whose generating capacity in kilowatts does not exceed 20% of their site load in kilowatts, but who agree to all the terms and conditions of this rate schedule. To be eligible for service under this rate schedule, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Supplemental Tariff Agreement for the Purchase of Industrial Standby and Supplemental Load Management Rider Service. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher

LIMITATION OF SERVICE: A customer taking service under this tariff must sign the Tariff Agreement for the Purchase of Standby and Supplemental Service

MONTHLY RATE:

Basic Service Charge:

Primary Metering Voltage	$652.10
Subtransmission Metering Voltage	$2,415.90

Demand Charge:

$~~3.11~~4.04 per KW-Month of Supplemental Demand (Supplemental Demand Charge)
$1.46 per KW-Month of Standby Demand (Local Facilities Reservation Charge)

plus the greater of:
$1.21 per KW-Month of Standby Demand (Power Supply Reservation Charge); or
$0.48 per KW-Day of Actual Standby Billing Demand (Power Supply Demand Charge)

Continued to Sheet No. 6.705

Continued from Sheet No. 6.710

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% will apply to the standby and supplemental demand charges, energy charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charges.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of ~~85¢~~$1.10 per KW of Supplemental Demand and 34¢ per KW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.~~22~~ 58 per KW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: Supplemental energy may be billed at either standard or time-of-day fuel rates at the option of the customer. See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

Continued from Sheet No. 6.800

MONTHLY RATE:

High Pressure Sodium Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Lamp Size				Charges per Unit ($)			
					kWh				Base Energy[4]	
Dusk to Dawn	Timed Svc.		Initial Lumens[2]	Lamp Wattage[3]	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
800	860	Cobra[1]	4,000	50	20	10	3.16	2.48	0.50	0.25
802	862	Cobra/Nema[1]	6,300	70	29	14	3.20	2.11	0.73	0.35
803	863	Cobra/Nema[1]	9,500	100	44	22	3.63	2.33	1.~~40~~1 1	0.55
804	864	Cobra[1]	16,000	150	66	33	4.18	2.02	1.66	0.83
805	865	Cobra[1]	28,500	250	105	52	4.87	2.60	2.~~63~~6 5	1.~~30~~3 1
806	866	Cobra[1]	50,000	400	163	81	5.09	2.99	4.~~09~~1 1	2.~~03~~0 4
468	454	Flood[1]	28,500	250	105	52	5.37	2.60	2.~~63~~6 5	1.~~30~~3 1
478	484	Flood[1]	50,000	400	163	81	5.71	3.00	4.~~09~~1 1	2.~~03~~0 4
809	869	Mongoose[1]	50,000	400	163	81	6.50	3.02	4.~~09~~1 1	2.~~03~~0 4
509	508	Post Top (PT)[1]	4,000	50	20	10	3.98	2.48	0.50	0.25
570	530	Classic PT[1]	9,500	100	44	22	11.85	1.89	1.~~40~~1 1	0.55
810	870	Coach PT[1]	6,300	70	29	14	4.71	2.11	0.73	0.35
572	532	Colonial PT[1]	9,500	100	44	22	11.75	1.89	1.~~40~~1 1	0.55
573	533	Salem PT[1]	9,500	100	44	22	9.03	1.89	1.~~40~~1 1	0.55
550	534	Shoebox[1]	9,500	100	44	22	8.01	1.89	1.~~40~~1 1	0.55
566	536	Shoebox[1]	28,500	250	105	52	8.69	3.18	2.~~63~~6 5	1.~~30~~3 1
552	538	Shoebox[1]	50,000	400	163	81	9.52	2.44	4.~~09~~1 1	2.~~03~~0 4

[1] Closed to new business
[2] Lumen output may vary by lamp configuration and age.
[3] Wattage ratings do not include ballast losses.
[4] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.~~509~~522¢ per kWh for each fixture.

Continued to Sheet No. 6.806

Continued from Sheet No. 6.805

MONTHLY RATE:

Metal Halide Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Lamp Size				Charges per Unit ($)			
					kWh				Base Energy[4]	
Dusk to Dawn	Timed Svc.		Initial Lumens[2]	Lamp Wattage[3]	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
704	724	Cobra[1]	29,700	350	138	69	7.53	4.99	3.~~464~~8	1.~~737~~4
520	522	Cobra[1]	32,000	400	159	79	6.03	4.01	~~3.994.~~01	1.~~989~~9
705	725	Flood[1]	29,700	350	138	69	8.55	5.04	3.~~464~~8	1.~~737~~4
556	541	Flood[1]	32,000	400	159	79	8.36	4.02	~~3.994.~~01	1.~~989~~9
558	578	Flood[1]	107,800	1,000	383	191	10.50	8.17	9.~~616~~6	4.~~798~~2
701	721	General PT[1]	12,000	150	67	34	10.60	3.92	1.~~686~~9	0.~~858~~6
574	548	General PT[1]	14,400	175	74	37	10.89	3.73	1.~~868~~7	0.93
700	720	Salem PT[1]	12,000	150	67	34	9.33	3.92	1.~~686~~9	0.~~858~~6
575	568	Salem PT[1]	14,400	175	74	37	9.38	3.74	1.~~868~~7	0.93
702	722	Shoebox[1]	12,000	150	67	34	7.22	3.92	1.~~686~~9	0.~~858~~6
564	549	Shoebox[1]	12,800	175	74	37	7.95	3.70	1.~~868~~7	0.93
703	723	Shoebox[1]	29,700	350	138	69	9.55	4.93	3.~~464~~8	1.~~737~~4
554	540	Shoebox[1]	32,000	400	159	79	10.02	3.97	~~3.994.~~01	1.~~989~~9
576	577	Shoebox[1]	107,800	1,000	383	191	16.50	8.17	9.~~616~~6	4.~~798~~2

[1] Closed to new business
[2] Lumen output may vary by lamp configuration and age.
[3] Wattage ratings do not include ballast losses.
[4] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.~~509~~522¢ per kWh for each fixture.

Continued to Sheet No. 6.808

Continued from Sheet No. 6.806

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Size				Charges per Unit ($)			
					kWh[1]				Base Energy[4]	
Dusk to Dawn	Timed Svc.		Initial Lumens[2]	Lamp Wattage[3]	Dusk to Dawn	Timed Svc.	Fixture	Maintenance	Dusk to Dawn	Timed Svc.
828	848	Roadway[1]	5,155	56	20	10	7.27	1.74	0.50	0.25
820	840	Roadway [1]	7,577	103	36	18	11.15	1.19	0.~~90~~91	0.45
821	841	Roadway[1]	8,300	106	37	19	11.15	1.20	0.93	0.48
829	849	Roadway[1]	15,285	157	55	27	11.10	2.26	1.~~38~~39	0.68
822	842	Roadway[1]	15,300	196	69	34	14.58	1.26	1.~~73~~74	0.~~858~~6
823	843	Roadway[1]	14,831	206	72	36	16.80	1.38	1.~~81~~82	0.~~909~~1
835	855	Post Top[1]	5,176	60	21	11	16.53	2.28	0.53	0.28
824	844	Post Top[1]	3,974	67	24	12	19.67	1.54	0.~~60~~61	0.30
825	845	Post Top[1]	6,030	99	35	17	20.51	1.56	0.88	0.43
836	856	Post Top[1]	7,360	100	35	18	16.70	2.28	0.88	0.45
830	850	Area-Lighter[1]	14,100	152	53	27	14.85	2.51	1.~~33~~34	0.68
826	846	Area-Lighter[1]	13,620	202	71	35	19.10	1.41	1.~~78~~79	0.88
827	847	Area-Lighter[1]	21,197	309	108	54	20.60	1.55	2.~~71~~72	1.~~353~~6
831	851	Flood[1]	22,122	238	83	42	15.90	3.45	2.08~~09~~	1.~~050~~6
832	852	Flood[1]	32,087	359	126	63	19.16	4.10	3.~~16~~18	1.~~585~~9
833	853	Mongoose[1]	24,140	245	86	43	14.71	3.04	2.~~16~~17	1.08
834	854	Mongoose[1]	32,093	328	115	57	16.31	3.60	2.~~89~~90	1.~~434~~4

[1] Closed to new business
[2] Average
[3] Average wattage. Actual wattage may vary by up to +/- 5 watts.
[4] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.~~509~~522¢ per kWh for each fixture.

Continued to Sheet No. 6.810

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE: ~~January 1, 2019~~

Continued from Sheet No. 6.808

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Size				Charges per Unit ($)			
					kWh[1]				Base Energy[3]	
Dusk to Dawn	Timed Svc.		Initial Lumens[1]	Lamp Wattage[2]	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
912	981	Roadway	2,600	27	9	5	4.83	1.74	0.23	0.13
914		Roadway	5,392	47	16		5.97	1.74	0.40	
921		Roadway/Area	8,500	88	31		8.97	1.74	0.78	
926	982	Roadway	12,414	105	37	18	6.83	1.19	0.93	0.45
932		Roadway/Area	15,742	133	47		14.15	1.38	1.~~18~~1 9	
935		Area-Lighter	16,113	143	50		11.74	1.41	1.~~25~~2 6	
937		Roadway	16,251	145	51		8.61	2.26	1.~~28~~2 9	
941	983	Roadway	22,233	182	64	32	11.81	2.51	1.61	0.~~80~~81
945		Area-Lighter	29,533	247	86		16.07	2.51	2.~~16~~1 7	
947	984	Area-Lighter	33,600	330	116	58	20.13	1.55	2.~~91~~9 3	1.46
951	985	Flood	23,067	199	70	35	11.12	3.45	1.~~76~~7 7	0.88
953	986	Flood	33,113	255	89	45	21.48	4.10	2.~~23~~2 4	1.13
956	987	Mongoose	23,563	225	79	39	11.78	3.04	1.~~98~~9 9	0.98
958		Mongoose	34,937	333	117		17.84	3.60	2.~~94~~9 5	
965		Granville Post Top (PT)	3,024	26	9		5.80	2.28	0.23	
967	988	Granville PT	4,990	39	14	7	13.35	2.28	0.35	0.18
968	989	Granville PT Enh[4]	4,476	39	14	7	15.35	2.28	0.35	0.18
971		Salem PT	5,240	55	19		10.95	1.54	0.48	
972		Granville PT	7,076	60	21		14.62	2.28	0.53	
973		Granville PT Enh[4]	6,347	60	21		16.62	2.28	0.53	
975	990	Salem PT	7,188	76	27	13	13.17	1.54	0.68	0.33

[1] Average
[2] Average wattage. Actual wattage may vary by up to +/- 10 %.
[3] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.~~509~~522¢ per kWh for each fixture.
[4] Enhanced Post Top. Customizable decorative options

Continued to Sheet No. 6.810

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE: ~~January 1, 2019~~

Continued from Sheet No. 6.810

Miscellaneous Facilities Charges:

Rate Code	Description	Monthly Facility Charge	Monthly Maintenance Charge
563	Timer	$7.54	$1.43
569	PT Bracket (accommodates two post top fixtures)	$4.27	$0.06

NON-STANDARD FACILITIES AND SERVICES:

The customer shall pay all costs associated with additional company facilities and services that are not considered standard for providing lighting service, including but not limited to, the following:

1. relays;
2. distribution transformers installed solely for lighting service;
3. protective shields;
4. bird deterrent devices;
5. light trespass shields;
6. light rotations;
7. light pole relocations;
8. devices required by local regulations to control the levels or duration of illumination including associated planning and engineering costs;
9. removal and replacement of pavement required to install underground lighting cable; and
10. directional boring.

MINIMUM CHARGE: The monthly charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021

FRANCHISE FEE: See Sheet No. 6.021

PAYMENT OF BILLS: See Sheet No. 6.022

SPECIAL CONDITIONS:
On customer-owned public street and highway lighting systems not subject to other rate schedules, the monthly rate for energy served at primary or secondary voltage, at the company's option, shall be 2.~~509~~522¢ per kWh of metered usage, plus a Basic Service Charge of $10.57 per month and the applicable additional charges as specified on Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.820

APPENDIX “D”

PROPOSED CLEAN TARIFF SHEETS

RESIDENTIAL SERVICE

SCHEDULE: RS

AVAILABLE: Entire service area.

APPLICABLE: To residential consumers in individually metered private residences, apartment units, and duplex units. All energy must be for domestic purposes and should not be shared with or sold to others. In addition, energy used in commonly-owned facilities in condominium and cooperative apartment buildings will qualify for this rate schedule, subject to the following criteria:

1. 100% of the energy is used exclusively for the co-owners' benefit.
2. None of the energy is used in any endeavor which sells or rents a commodity or provides service for a fee.
3. Each point of delivery will be separately metered and billed.
4. A responsible legal entity is established as the customer to whom the Company can render its bills for said service.

Resale not permitted.

Billing charges shall be prorated for billing periods that are less than 25 days or greater than 35 days. If the billing period exceeds 35 days and the billing extension causes energy consumption, based on average daily usage, to exceed 1,000 kWh, the excess consumption will be charged at the lower monthly Energy and Demand Charge.

LIMITATION OF SERVICE: This schedule includes service to single phase motors rated up to 7.5 HP. Three phase service may be provided where available for motors rated 7.5 HP and over.

MONTHLY RATE:

Basic Service Charge:
$15.12

Energy and Demand Charge:

First 1,000 kWh	5.296¢ per kWh
All additional kWh	6.296¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.031

GENERAL SERVICE - NON DEMAND

SCHEDULE: GS

AVAILABLE: Entire service area.

APPLICABLE: For lighting and power in establishments not classified as residential whose energy consumption has not exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

LIMITATION OF SERVICE: All service under this rate shall be furnished through one meter. Standby service permitted on Schedule GST only.

MONTHLY RATE:

Basic Service Charge:

Metered accounts	$18.14
Un-metered accounts	$15.12

Energy and Demand Charge:
5.568¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.169¢ per kWh of billing energy. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.051

GENERAL SERVICE - DEMAND

SCHEDULE: GSD

AVAILABLE: Entire service area.

APPLICABLE: To any customer whose energy consumption has exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. Also available to customers with energy consumption at any level below 9,000 kWh per billing period who agree to remain on this rate for at least twelve (12) months. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: A-C; 60 cycles; 3 phase; at any standard Company voltage.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

STANDARD		OPTIONAL	
Basic Service Charge:		Basic Service Charge:	
Secondary Metering Voltage	$ 30.24	Secondary Metering Voltage	$ 30.24
Primary Metering Voltage	$ 131.03	Primary Metering Voltage	$ 131.03
Subtrans. Metering Voltage	$ 997.80	Subtrans. Metering Voltage	$ 997.80
Demand Charge:		Demand Charge:	
$11.08 per kW of billing demand		$0.00 per kW of billing demand	
Energy Charge:		Energy Charge:	
1.596¢ per kWh		6.681¢ per kWh	

The customer may select either standard or optional. Once an option is selected, the customer must remain on that option for twelve (12) consecutive months.

Continued to Sheet No. 6.081

Continued from Sheet No. 6.080

BILLING DEMAND: The highest measured 30-minute interval kW demand during the billing period.

MINIMUM CHARGE: The Basic Service Charge and any Minimum Charge associated with optional riders.

TEMPORARY DISCONTINUANCE OF SERVICE: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within 12 months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued.

POWER FACTOR: Power factor will be calculated for customers with measured demands of 1,000 kW or more in any one billing period out of twelve (12) consecutive billing periods ending with the current billing period. When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When a customer under the standard rate takes service at primary voltage, a discount of 90¢ per kW of billing demand will apply. A discount of $2.78 per kW of billing demand will apply when a customer under the standard rate takes service at subtransmission or higher voltage.

Continued to Sheet No. 6.082

Continued from Sheet No. 6.081

When a customer under the optional rate takes service at primary voltage, a discount of 0.239¢ per kWh will apply. A discount of 0.727¢ per kWh will apply when a customer under the optional rate takes service at subtransmission or higher voltage.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 71¢ per kW of billing demand for customers taking service under the standard rate and 0.180¢/kWh for customer taking service under the optional rate. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

INTERRUPTIBLE SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: IS

AVAILABLE: Entire Service Area.

APPLICABLE: To be eligible for service under Rate Schedule IS, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Agreement for the Purchase of Industrial Load Management Service under Rate Schedule GSLM-2. When electric service is desired at more than one location, each such location or point of delivery shall be considered as a separate customer. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

Basic Service Charge:

Primary Metering Voltage	$ 626.90
Subtransmission Metering Voltage	$2,390.70

Demand Charge:
$4.04 per KW of billing demand

Energy Charge:
2.524¢ per KWH

Continued to Sheet No. 6.086

Continued from Sheet No. 6.085

BILLING DEMAND: The highest measured 30-minute interval KW demand during the month.

MINIMUM CHARGE: The Basic Service Charge and any Minimum Charge associated with optional riders.

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% of the energy and demand charge will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of $1.10 per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.58 per KW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.087

CONSTRUCTION SERVICE

SCHEDULE: CS

AVAILABLE: Entire service area.

APPLICABLE: Single phase temporary service used primarily for construction purposes.

LIMITATION OF SERVICE: Service is limited to construction poles and services installed under the TUG program. Construction poles are limited to a maximum of 70 amperes at 240 volts for construction poles. Larger (non-TUG) services and three phase service entrances must be served under the appropriate rate schedule, plus the cost of installing and removing the temporary facilities is required.

MONTHLY RATE:
Basic Service Charge: $18.14

Energy and Demand Charge: 5.568¢ per kWh

.

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

MISCELLANEOUS: A Temporary Service Charge of $260.00 shall be paid upon application for the recovery of costs associated with providing, installing, and removing the company's temporary service facilities for construction poles. Where the Company is required to provide additional facilities other than a service drop or connection point to the Company's existing distribution system, the customer shall also pay, in advance, for the estimated cost of providing, installing and removing such additional facilities, excluding the cost of any portion of these facilities which will remain as a part of the permanent service.

PAYMENT OF BILLS: See Sheet No. 6.022.

TIME-OF-DAY
GENERAL SERVICE - NON DEMAND
(OPTIONAL)

SCHEDULE: GST

AVAILABLE: Entire service area.

APPLICABLE: For lighting and power in establishments not classified as residential whose energy consumption has not exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. All of the electric load requirements on the customer's premises must be metered at one (1) point of delivery. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

LIMITATION OF SERVICE: All service under this rate shall be furnished through one meter. Standby service permitted.

MONTHLY RATE:

Basic Service Charge:
$20.16

Energy and Demand Charge:
12.521¢ per kWh during peak hours
3.162¢ per kWh during off-peak hours

Continued to Sheet No. 6.321

Continued from Sheet No. 6.320

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours: (Monday-Friday)	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

MINIMUM CHARGE: The Basic Service Charge.

BASIC SERVICE CHARGE CREDIT: Any customer who makes a one time contribution in aid of construction of $94.00 (lump-sum meter payment), shall receive a credit of $2.02 per month. This contribution in aid of construction will be subject to a partial refund if the customer terminates service on this optional time-of-day rate.

TERMS OF SERVICE: A customer electing this optional rate shall have the right to transfer to the standard applicable rate at any time without additional charge for such transaction, except that any customer who requests this optional rate for the second time on the same premises will be required to sign a contract to remain on this rate for at least one (1) year.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.169¢ per kWh of billing energy. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.322

TIME-OF-DAY
GENERAL SERVICE - DEMAND
(OPTIONAL)

SCHEDULE: GSDT

AVAILABLE: Entire service area.

APPLICABLE: To any customer whose energy consumption has exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. Also available to customers with energy consumption at any level below 9,000 kWh per billing period who agree to remain on this rate for at least twelve (12) months. For any billing period that exceeds 35 days, the consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: A-C; 60 cycles; 3 phase; at any standard Company voltage.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

Basic Service Charge:

Secondary Metering Voltage	$ 30.24
Primary Metering Voltage	$ 131.03
Subtransmission Metering Voltage	$ 997.80

Demand Charge:
$3.73 per kW of billing demand, plus
$7.34 per kW of peak billing demand

Energy Charge:
2.921¢ per kWh during peak hours
1.054¢ per kWh during off-peak hours

Continued to Sheet No. 6.331

Continued from Sheet No. 6.331

POWER FACTOR: Power factor will be calculated for customers with measured demands of 1,000 kW in any billing period out of twelve (12) consecutive billing periods ending with the current billing period. When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage a discount of 90¢ per kW of billing demand will apply. When the customer takes service at subtransmission or higher voltage, a discount of $2.78 per kW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 71¢ per kW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

TIME OF DAY
INTERRUPTIBLE SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: IST

AVAILABLE: Entire Service Area.

APPLICABLE: To be eligible for service under Rate Schedule IST, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Agreement for the Purchase of Industrial Load Management Service under Rate Schedule GSLM-2. When electric service is desired at more than one location, each such location or point of delivery shall be considered as a separate customer. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

Basic Service Charge:

Primary Metering Voltage	$ 626.90
Subtransmission Metering Voltage	$2,390.70

Demand Charge:
$4.04 per KW of billing demand

Energy Charge:
2.524¢ per KWH

Continued to Sheet No. 6.345

Continued from Sheet No. 6.345

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% of the energy and demand charge will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of $1.10 per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.58 per KW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.025.

Continued from Sheet No. 6.560

MONTHLY RATES:
Basic Service Charge: $15.12

Energy and Demand Charges: 5.610¢ per kWh (for all pricing periods)

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

DETERMINATION OF PRICING PERIODS: Pricing periods are established by season for weekdays and weekends. The pricing periods for price levels P_1 (Low Cost Hours), P_2 (Moderate Cost Hours) and P_3 (High Cost Hours) are as follows:

May through October	**P_1**	**P_2**	**P_3**
Weekdays	11 P.M. to 6 A.M.	6 A.M. to 1 P.M. 6 P.M. to 11 P.M.	1 P.M. to 6 P.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	----------
November through April	**P_1**	**P_2**	**P_3**
Weekdays	11 P.M. to 5 A.M.	5 A.M. to 6 A.M. 10 A.M. to 11 P.M.	6 A.M. to 10 A.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	----------

The pricing periods for price level P_4 (Critical Cost Hours) shall be determined at the sole discretion of the Company. Level P_4 hours shall not exceed 134 hours per year.

Continued to Sheet No. 6.570

Continued from Sheet No. 6.600

CHARGES FOR SUPPLEMENTAL SERVICE:

Demand Charge:
$11.08 per kW-Month of Supplemental Billing Demand (Supplemental Billing Demand Charge)

Energy Charge:
1.596¢ per Supplemental kWh

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours: (Monday-Friday)	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

BILLING UNITS:

Demand Units: Metered Demand - The highest measured 30-minute interval kW demand served by the company during the month.

Site Load - The highest kW total of Customer generation plus deliveries by the company less deliveries to the Company, occurring in the same 30-minute interval, during the month.

Normal Generation - The generation level equaled or exceeded by the Customer's generation 10% of the metered intervals during the previous twelve months.

Supplemental Billing Demand - The amount, if any, by which the highest Site Load during any 30-minute interval in the month exceeds Normal Generation, but no greater than Metered Demand.

Continued to Sheet No. 6.602

Continued from Sheet No. 6.602

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage, a discount of 90¢ per kW of Supplemental Demand and 63¢ per kW of Standby Demand will apply.

When the customer takes service at subtransmission or higher voltage, a discount of $2.78 per kW of Supplemental Demand and $1.97 per kW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 71¢ per kW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021. Note: Standby fuel charges shall be based on the time of use (i.e., peak and off-peak) fuel rates for Rate Schedule SBF. Supplemental fuel charges shall be based on the standard fuel rate for Rate Schedule SBF.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

Continued from Sheet No. 6.605

CHARGES FOR SUPPLEMENTAL SERVICE

Demand Charge:

$3.73	per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus
$7.34	per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing Demand Charge)

Energy Charge:

2.921¢	per Supplemental kWh during peak hours
1.054¢	per Supplemental kWh during off-peak hours

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours: (Monday-Friday)	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

BILLING UNITS:

Demand Units: Metered Demand - The highest measured 30-minute interval kW demand served by the Company during the month.

Metered Peak Demand - The highest measured 30-minute interval kW demand served by the Company during the peak hours.

Site Load - The highest kW total of Customer generation plus deliveries by the company less deliveries to the company, occurring in the same 30-minute interval, during the month.

Continued to Sheet No. 6.607

Continued from Sheet No. 6.607

TERM OF SERVICE: Any customer receiving service under this schedule will be required to give the Company written notice at least 60 months prior to transferring to a firm non-standby schedule. Such notice shall be irrevocable unless the Company and the customer should mutually agree to void the notice.

TEMPORARY DISCONTINUANCE OF SERVICE: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within 12 months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued.

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charges, Energy Charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charges, Energy Charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage, a discount of 90¢ per kW of Supplemental Demand and 63¢ per kW of Standby Demand will apply.

When the customer takes service at subtransmission or higher voltage, a discount of $2.78 per kW of Supplemental Demand and $1.97 per kW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 71¢ per kW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.609

INTERRUPTIBLE STANDBY AND SUPPLEMENTAL SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: SBI

AVAILABLE: Entire service area.

APPLICABLE: Required for all self-generating customers eligible for service under rate schedules IS or IST whose generating capacity in kilowatts (exclusive of emergency generation equipment) exceeds 20% of their site load in kilowatts. Also available to self-generating customers eligible for service under rate schedules IS or IST whose generating capacity in kilowatts does not exceed 20% of their site load in kilowatts, but who agree to all the terms and conditions of this rate schedule. To be eligible for service under this rate schedule, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Supplemental Tariff Agreement for the Purchase of Industrial Standby and Supplemental Load Management Rider Service. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher

LIMITATION OF SERVICE: A customer taking service under this tariff must sign the Tariff Agreement for the Purchase of Standby and Supplemental Service

MONTHLY RATE:

Basic Service Charge:

Primary Metering Voltage	$652.10
Subtransmission Metering Voltage	$2,415.90

Demand Charge:

$4.04 per KW-Month of Supplemental Demand (Supplemental Demand Charge)
$1.46 per KW-Month of Standby Demand (Local Facilities Reservation Charge)

plus the greater of:
$1.21 per KW-Month of Standby Demand (Power Supply Reservation Charge); or
$0.48 per KW-Day of Actual Standby Billing Demand (Power Supply Demand Charge)

Continued to Sheet No. 6.705

Continued from Sheet No. 6.710

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% will apply to the standby and supplemental demand charges, energy charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charges.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of $1.10 per KW of Supplemental Demand and 34¢ per KW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.58 per KW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: Supplemental energy may be billed at either standard or time-of-day fuel rates at the option of the customer. See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

Continued from Sheet No. 6.800

MONTHLY RATE:

High Pressure Sodium Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Lamp Size				Charges per Unit ($)			
					kWh				Base Energy[4]	
Dusk to Dawn	Timed Svc.		Initial Lumens[2]	Lamp Wattage[3]	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
800	860	Cobra[1]	4,000	50	20	10	3.16	2.48	0.50	0.25
802	862	Cobra/Nema[1]	6,300	70	29	14	3.20	2.11	0.73	0.35
803	863	Cobra/Nema[1]	9,500	100	44	22	3.63	2.33	1.11	0.55
804	864	Cobra[1]	16,000	150	66	33	4.18	2.02	1.66	0.83
805	865	Cobra[1]	28,500	250	105	52	4.87	2.60	2.65	1.31
806	866	Cobra[1]	50,000	400	163	81	5.09	2.99	4.11	2.04
468	454	Flood[1]	28,500	250	105	52	5.37	2.60	2.65	1.31
478	484	Flood[1]	50,000	400	163	81	5.71	3.00	4.11	2.04
809	869	Mongoose[1]	50,000	400	163	81	6.50	3.02	4.11	2.04
509	508	Post Top (PT)[1]	4,000	50	20	10	3.98	2.48	0.50	0.25
570	530	Classic PT[1]	9,500	100	44	22	11.85	1.89	1.11	0.55
810	870	Coach PT[1]	6,300	70	29	14	4.71	2.11	0.73	0.35
572	532	Colonial PT[1]	9,500	100	44	22	11.75	1.89	1.11	0.55
573	533	Salem PT[1]	9,500	100	44	22	9.03	1.89	1.11	0.55
550	534	Shoebox[1]	9,500	100	44	22	8.01	1.89	1.11	0.55
566	536	Shoebox[1]	28,500	250	105	52	8.69	3.18	2.65	1.31
552	538	Shoebox[1]	50,000	400	163	81	9.52	2.44	4.11	2.04

[1] Closed to new business
[2] Lumen output may vary by lamp configuration and age.
[3] Wattage ratings do not include ballast losses.
[4] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.522¢ per kWh for each fixture.

Continued to Sheet No. 6.806

Continued from Sheet No. 6.805

MONTHLY RATE:

Metal Halide Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Lamp Size		kWh		Charges per Unit ($)			
									Base Energy[4]	
Dusk to Dawn	Timed Svc.		Initial Lumens[2]	Lamp Wattage[3]	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
704	724	Cobra[1]	29,700	350	138	69	7.53	4.99	3.48	1.74
520	522	Cobra[1]	32,000	400	159	79	6.03	4.01	4.01	1.99
705	725	Flood[1]	29,700	350	138	69	8.55	5.04	3.48	1.74
556	541	Flood[1]	32,000	400	159	79	8.36	4.02	4.01	1.99
558	578	Flood[1]	107,800	1,000	383	191	10.50	8.17	9.66	4.82
701	721	General PT[1]	12,000	150	67	34	10.60	3.92	1.69	0.86
574	548	General PT[1]	14,400	175	74	37	10.89	3.73	1.87	0.93
700	720	Salem PT[1]	12,000	150	67	34	9.33	3.92	1.69	0.86
575	568	Salem PT[1]	14,400	175	74	37	9.38	3.74	1.87	0.93
702	722	Shoebox[1]	12,000	150	67	34	7.22	3.92	1.69	0.86
564	549	Shoebox[1]	12,800	175	74	37	7.95	3.70	1.87	0.93
703	723	Shoebox[1]	29,700	350	138	69	9.55	4.93	3.48	1.74
554	540	Shoebox[1]	32,000	400	159	79	10.02	3.97	4.01	1.99
576	577	Shoebox[1]	107,800	1,000	383	191	16.50	8.17	9.66	4.82

[1] Closed to new business
[2] Lumen output may vary by lamp configuration and age.
[3] Wattage ratings do not include ballast losses.
[4] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.522¢ per kWh for each fixture.

Continued to Sheet No. 6.808

Continued from Sheet No. 6.806

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Size				Charges per Unit ($)			
					kWh[1]				Base Energy[4]	
Dusk to Dawn	Timed Svc.		Initial Lumens[2]	Lamp Wattage[3]	Dusk to Dawn	Timed Svc.	Fixture	Maintenance	Dusk to Dawn	Timed Svc.
828	848	Roadway[1]	5,155	56	20	10	7.27	1.74	0.50	0.25
820	840	Roadway [1]	7,577	103	36	18	11.15	1.19	0.91	0.45
821	841	Roadway[1]	8,300	106	37	19	11.15	1.20	0.93	0.48
829	849	Roadway[1]	15,285	157	55	27	11.10	2.26	1.39	0.68
822	842	Roadway[1]	15,300	196	69	34	14.58	1.26	1.74	0.86
823	843	Roadway[1]	14,831	206	72	36	16.80	1.38	1.82	0.91
835	855	Post Top[1]	5,176	60	21	11	16.53	2.28	0.53	0.28
824	844	Post Top[1]	3,974	67	24	12	19.67	1.54	0.61	0.30
825	845	Post Top[1]	6,030	99	35	17	20.51	1.56	0.88	0.43
836	856	Post Top[1]	7,360	100	35	18	16.70	2.28	0.88	0.45
830	850	Area-Lighter[1]	14,100	152	53	27	14.85	2.51	1.34	0.68
826	846	Area-Lighter[1]	13,620	202	71	35	19.10	1.41	1.79	0.88
827	847	Area-Lighter[1]	21,197	309	108	54	20.60	1.55	2.72	1.36
831	851	Flood[1]	22,122	238	83	42	15.90	3.45	2.09	1.06
832	852	Flood[1]	32,087	359	126	63	19.16	4.10	3.18	1.59
833	853	Mongoose[1]	24,140	245	86	43	14.71	3.04	2.17	1.08
834	854	Mongoose[1]	32,093	328	115	57	16.31	3.60	2.90	1.44

[1] Closed to new business
[2] Average
[3] Average wattage. Actual wattage may vary by up to +/- 5 watts.
[4] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.522¢ per kWh for each fixture.

Continued to Sheet No. 6.810

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

Continued from Sheet No. 6.808

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

Rate Code			Size				Charges per Unit ($)			
					kWh[1]				Base Energy[3]	
Dusk to Dawn	Timed Svc.	Description	Initial Lumens[1]	Lamp Wattage[2]	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
912	981	Roadway	2,600	27	9	5	4.83	1.74	0.23	0.13
914		Roadway	5,392	47	16		5.97	1.74	0.40	
921		Roadway/Area	8,500	88	31		8.97	1.74	0.78	
926	982	Roadway	12,414	105	37	18	6.83	1.19	0.93	0.45
932		Roadway/Area	15,742	133	47		14.15	1.38	1.19	
935		Area-Lighter	16,113	143	50		11.74	1.41	1.26	
937		Roadway	16,251	145	51		8.61	2.26	1.29	
941	983	Roadway	22,233	182	64	32	11.81	2.51	1.61	0.81
945		Area-Lighter	29,533	247	86		16.07	2.51	2.17	
947	984	Area-Lighter	33,600	330	116	58	20.13	1.55	2.93	1.46
951	985	Flood	23,067	199	70	35	11.12	3.45	1.77	0.88
953	986	Flood	33,113	255	89	45	21.48	4.10	2.24	1.13
956	987	Mongoose	23,563	225	79	39	11.78	3.04	1.99	0.98
958		Mongoose	34,937	333	117		17.84	3.60	2.95	
965		Granville Post Top (PT)	3,024	26	9		5.80	2.28	0.23	
967	988	Granville PT	4,990	39	14	7	13.35	2.28	0.35	0.18
968	989	Granville PT Enh[4]	4,476	39	14	7	15.35	2.28	0.35	0.18
971		Salem PT	5,240	55	19		10.95	1.54	0.48	
972		Granville PT	7,076	60	21		14.62	2.28	0.53	
973		Granville PT Enh[4]	6,347	60	21		16.62	2.28	0.53	
975	990	Salem PT	7,188	76	27	13	13.17	1.54	0.68	0.33

[1] Average
[2] Average wattage. Actual wattage may vary by up to +/- 10 %.
[3] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.522¢ per kWh for each fixture.
[4] Enhanced Post Top. Customizable decorative options

Continued to Sheet No. 6.810

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

Continued from Sheet No. 6.810

Miscellaneous Facilities Charges:

Rate Code	Description	Monthly Facility Charge	Monthly Maintenance Charge
563	Timer	$7.54	$1.43
569	PT Bracket (accommodates two post top fixtures)	$4.27	$0.06

NON-STANDARD FACILITIES AND SERVICES:

The customer shall pay all costs associated with additional company facilities and services that are not considered standard for providing lighting service, including but not limited to, the following:

1. relays;
2. distribution transformers installed solely for lighting service;
3. protective shields;
4. bird deterrent devices;
5. light trespass shields;
6. light rotations;
7. light pole relocations;
8. devices required by local regulations to control the levels or duration of illumination including associated planning and engineering costs;
9. removal and replacement of pavement required to install underground lighting cable; and
10. directional boring.

MINIMUM CHARGE: The monthly charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021

FRANCHISE FEE: See Sheet No. 6.021

PAYMENT OF BILLS: See Sheet No. 6.022

SPECIAL CONDITIONS:
On customer-owned public street and highway lighting systems not subject to other rate schedules, the monthly rate for energy served at primary or secondary voltage, at the company's option, shall be 2.522¢ per kWh of metered usage, plus a Basic Service Charge of $10.57 per month and the applicable additional charges as specified on Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.820

BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 2019___-EI

IN RE: PETITION BY TAMPA ELECTRIC COMPANY FOR A LIMITED PROCEEDING TO APPROVE THIRD SOBRA EFFECTIVE JANUARY 1, 2020

PREPARED DIRECT TESTIMONY AND EXHIBIT

OF

JOSE A. APONTE

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

JOSE A. APONTE

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

A. My name is Jose A. Aponte. My business address is 702 N. Franklin Street, Tampa, Florida 33602. I am employed by Tampa Electric Company ("Tampa Electric" or "company") as Manager of Generation Planning. My responsibilities include identifying the need for future resource additions and analyzing the economic and operational impacts to Tampa Electric's system.

Q. Please provide a brief outline of your educational background and business experience.

A. I graduated from the University of South Florida with a Bachelor's degree and a Master of Science degree in Mechanical Engineering. I am a registered Project Management Professional ("PMP").

In 1999, I was employed by Tampa Electric as an engineer in the Inventory Management and Supply Chain Logistics

team. In 2004, I became supervisor for the Materials and Quality Assurance Department at the Big Bend Power Station. Since 2008, I have held several positions in the Resource Planning department at Tampa Electric.

I have twenty years of accumulated electric utility experience working in the areas of planning, systems integration, data analytics, revenue requirements, project economic analysis, and engineering. I was appointed to my current position, Manager of Resource Planning, in December 2017.

Q. What are the purposes of your prepared direct testimony?

A. The purposes of my prepared direct testimony are to: (1) describe the provisions in the company's Commission-approved Amended and Restated 2017 Settlement and Stipulation Agreement ("2017 Agreement"), as memorialized in Order No. PSC-2017-0456-S-EI, issued on November 27, 2017, that allow cost recovery of solar generation projects through a Solar Base Rate Adjustment ("SoBRA"); (2) sponsor and explain the calculation of the revenue requirement for the company's SoBRA for the two projects comprising the company's third tranche of solar generation ("Third SoBRA") effective January 1, 2020; and (3) demonstrate

that the two projects in the company's Third SoBRA satisfy the cost-effectiveness test specified in the 2017 Agreement.

Q. Have you prepared an exhibit to support your prepared direct testimony?

A. Yes. Exhibit No. ___ (JAA-1) was prepared by me or under my direction and supervision. It consists of the following four documents:

Document No. 1 Demand and Energy Forecast
Document No. 2 Fuel Price Forecast
Document No. 3 Revenue Requirements for Third SoBRA
Document No. 4 Cost-Effectiveness Test for Third SoBRA

Q. How does your prepared direct testimony relate to the prepared direct testimony of Tampa Electric witnesses Mark D. Ward and William R. Ashburn?

A. Tampa Electric witness Ward's prepared direct testimony describes the two solar projects, Wimauma Solar and Little Manatee River ("LMR") Solar, for which cost recovery is requested via the company's Third SoBRA, as well as their projected in-service dates and installed cost per kilowatt alternating current ("kW_{ac}"). I use the projected installed

project cost in witness Ward's prepared direct testimony to calculate the annual revenue requirement for the Third SoBRA. The company's cost of service and rate design witness, William R. Ashburn, uses the annual revenue requirement described in my prepared direct testimony to develop the proposed customer rates for the Third SoBRA.

2017 AGREEMENT

Q. Please generally describe the 2017 Agreement.

A. The 2017 Agreement amends and restates the 2013 Agreement, extends the general base rate freeze included in the 2013 Stipulation, limits fuel hedging and investments in natural gas reserves, protects customers after federal tax reform and replaces the Generation Base Rate Adjustment ("GBRA") mechanism in the 2013 Agreement with a SoBRA mechanism.

The SoBRA mechanism in the 2017 Agreement includes a strict cost-effectiveness test and a $1,500 per kW_{ac} installed cost cap ("Installed Cost Cap") to protect customers.

The SoBRA mechanism enables the company to significantly reduce its carbon emissions profile and its dependence on carbon-based fuels by installing and receiving cost

recovery for up to 600 MW of photovoltaic single axis tracking solar generation. This major addition of solar generation continues the company's transformation into a cleaner, more sustainable energy company, thereby improving fuel diversity and reducing its exposure to financial and other risks associated with burning carbon-based fuels. Because the fuel cost of solar generation is zero, it will provide an important measure of price stability to customers. The 2017 Agreement also allows the company to take maximum advantage of the existing 30 percent solar investment tax credit ("ITC") for the benefit of customers, before the credit is reduced in future years.

Q. What are the key SoBRA cost recovery provisions in the 2017 Agreement?

A. There are several key provisions in the 2017 Agreement. First, subparagraph 6(b) of the 2017 Agreement authorizes Tampa Electric to seek recovery of up to 150 MW of new solar generation to be in service on or before January 1, 2020 through a SoBRA. Per the 2017 Agreement, the effective date of the Third SoBRA can be no earlier than January 1, 2020, and its maximum incremental annual revenue requirement may not exceed $30.6 million.

Second, subparagraph 6(d) of the 2017 Agreement specifies that the installed cost of each individual project to be recovered through a SoBRA may not exceed $1,500 per kW_{ac}. Witness Ward's prepared direct testimony presents the projected installed costs per kW_{ac} for the two projects in the Third SoBRA and shows that the projected costs are below this cap.

Third, subparagraph 6(g) of the 2017 Agreement states that the cost-effectiveness for the projects in a SoBRA tranche shall be evaluated in total by considering whether the projects in the tranche will lower the company's projected system Cumulative Present Value Revenue Requirement ("CPVRR") as compared to such CPVRR without the solar projects.

Fourth, subparagraphs 6(a) through 6(c) of the 2017 Agreement specify that, subject to the revenue requirement limits in subparagraph 6(b) of the 2017 Agreement, the Third SoBRA revenue requirements will be calculated using the company's projected installed cost per kW_{ac} for each project in the tranche (subject to the Installed Cost Cap); reasonable estimates for depreciation expense, property taxes and fixed O&M expenses; an incremental capital structure reflecting the then current midpoint return on

equity and a 54 percent equity ratio, adjusted to reflect the inclusion of the ITC on a normalized basis.

Fifth, subparagraph 6(d) of the 2017 Agreement specifies that the types of costs of solar projects that traditionally have been allowed in rate base are eligible for cost recovery via a SoBRA, and lists the following types of costs as examples: Engineering, Procurement and Construction ("EPC") costs; development costs including third-party development fees, if any; permitting fees and costs; actual land costs and land acquisition costs; taxes; utility costs to support or complete development; transmission interconnection costs; installation labor and equipment costs; costs associated with electrical balance of system, structural balance of system, inverters, and modules; Allowance for Funds Used During Construction ("AFUDC") at the weighted average cost of capital from Exhibit B of the 2017 Agreement; and other traditionally allowed rate base costs.

Finally, subparagraph 6(m) of the 2017 Agreement specifies that if the actual installed cost is less than the Installed Cost Cap, the company and customers will share in any beneficial difference with 75 percent going to customers and 25 percent serving as an incentive to the

company. If applicable, this incentive will be added to the revenue requirement calculation.

ANNUAL REVENUE REQUIREMENT

Q. What is the annual revenue requirement for recovering costs associated with the two projects included in the Third SoBRA?

A. The annual revenue requirement is $26,539,000 without the incentive and $26,596,000 including the incentive. These amounts were calculated using the projected installed costs of the two solar projects in witness Ward's prepared direct testimony and in accordance with the revenue requirement cost recovery provisions of the 2017 Agreement.

The annual revenue requirement for the Third SoBRA was calculated using the approach used for the First SoBRA and Second SoBRA and as described in R. James Rocha's prepared direct testimony in Docket Nos. 20170260-EI and 20180133-EI. A summary of the annual revenue requirement calculation is shown in Document No. 3 of my exhibit. This annual revenue requirement amount including incentive is approximately $4 million less than the revenue cap for Third SoBRA in subparagraph 6(b) of the 2017 Agreement.

Q. Please explain the assumptions used in your calculation of the annual revenue requirement.

A. I calculated the annual revenue requirement for the Third SoBRA in accordance with the specifications of the 2017 Agreement. I began with the projected installed costs for the two projects in the Third SoBRA as presented by witness Ward, *i.e.*, $1,479 and $1,410 per kW_{ac}, for Wimauma Solar and LMR Solar, respectively.

I used the following capital structure specified in the 2017 Agreement: a 10.25 percent return on common equity using a 54 percent equity ratio and a 4.8 percent long-term debt rate on the remaining 46 percent debt in the capital structure. The debt rate is the forecasted long-term debt rate which, in accordance with the 2017 Agreement, reflects the prospective long-term debt issuances during the first 12 months of operation of the projects. The ITC associated with the Third SoBRA was normalized over the 30-year life of the assets in accordance with applicable Internal Revenue Service regulations.

My calculation includes the projected impact of the property tax exemption for solar projects.

These assumptions were included in a model that considered the solar project costs along with the company's incremental capital costs and agreed upon capital structure to arrive at a revenue requirement amount.

Q. How many MW of solar generation is the company requesting cost recovery for in its Third SoBRA?

A. Tampa Electric may recover costs for up to 150 MW of additional solar capacity for the Third SoBRA. Tampa Electric proposes to recover the costs for solar projects totaling 149.3 MW in the Third SoBRA.

Q. Please explain the calculation of the annual revenue requirement for the Third SoBRA as presented in Document No. 3 of your exhibit.

A. Document No. 3 uses the capital expenditures presented by witness Ward without the imputed land cost of $85 per kW_{ac} for the LMR Solar project. Document No. 4 uses the capital expenditures presented by witness Ward including the imputed land cost for the LMR Solar project of $85 per kW_{ac} as an example of what the revenue requirements would be if the land was purchased at the same price as the land lease agreement. I calculated the book depreciation and the cost

of capital using the capital structure described above, adjusted for accumulated deferred taxes. I also added property taxes and fixed operating expenses.

The as-built capacity of the Third SoBRA is expected to be 149.3 MW, and the revenue requirements for the Third SoBRA will be based upon those MW as they are under the 150 MW amount allowed for Third SoBRA, per the requirements of the 2017 Agreement.

Q. Is this a final revenue requirement amount, and how are customers protected if it is not a final amount?

A. It is not a final revenue requirement amount, but customers are protected through the true-up process. Subparagraph 6(g) of the 2017 Agreement specifies that this annual revenue requirement amount will be trued up for the actual installed cost and in-service dates of the projects included in the Third SoBRA. Once the difference between the estimated and actual costs is known, the true-up amount will be included in the Capacity Cost Recovery Clause factors, with interest applied.

Q. Does the annual revenue requirement presented in your exhibit reflect an incentive savings adjustment?

A. Yes. Subparagraph 6(m) of the 2017 Agreement contains an incentive designed to encourage Tampa Electric to build solar projects for recovery under a SoBRA at the lowest possible cost. According to subparagraph 6(m), if Tampa Electric's actual installed cost for a project is less than the Installed Cost Cap, the company's customers and the company will share in the beneficial difference with 75 percent of the difference inuring to the benefit of customers and 25 percent serving as an incentive to the company to seek such cost savings over the life of this 2017 Agreement. The company has included the effect of the incentive in its revenue requirement for the Third SoBRA based on projected costs including the imputed value of land for the LMR Solar project.

Q. Does the 2017 Agreement include an example of how the incentive mechanism would work?

A. Yes. According to subparagraph 6(m), if the actual installed cost of a solar project is $1,400 per kW_{ac}, the final cost to be used for purposes of computing cost recovery under this 2017 Agreement and the true-up of each SoBRA would be $1,425 per kW_{ac} [0.25 times ($1,500 - $1,400) + $1,400].

Q. Please describe the incentive calculations for the Third SoBRA based on the company's projected installed costs.

A. Witness Ward projects the installed costs for the Wimauma Solar and LMR Solar projects to be $1,479 per kW_{ac} and $1,410 per kW_{ac} respectively, including interconnection, AFUDC, and land costs. The calculation of the installed costs including the incentive for each project is shown in the following table.

Project	**Installed Cost Including Incentive per kW_{ac}**
Wimauma	0.25 * ($1,500 - $1,478.6) + $1,478.6 = $1,483.9
LMR	0.25 * ($1,500 - $1,495.1) + $1,495.1 = $1,496.3

For LMR Solar, the project land was obtained through a long-term lease, and the lease costs are included in the revenue requirement. However, for purposes of calculating the allowed company incentive, the company believes that the 2017 Agreement requires that the land value must be included in the total installed capital cost. As stated in Tampa Electric witness Ward's direct testimony, the company calculated a land value for LMR Solar as the net present value of the lease payments over the life of the solar project, discounted at the 7.183 percent rate. The company believes that this is consistent with the 2017 Settlement Agreement. As a result, $85 per kW_{ac},

representing LMR Solar's land lease value, is included in the total installed cost value for purposes of calculating the incentive allowable for this project. Therefore, the total installed cost for LMR Solar for purposes of calculating the incentive is $1,410 per kW_{ac} + $85 per kW_{ac}, or $1,495 per kW_{ac}. The incentive for all projects averages approximately $3 per kW_{ac}.

COST-EFFECTIVENESS TEST

Q. Please describe the cost-effectiveness standard in the 2017 Agreement.

A. Subparagraph 6(g) of the 2017 Agreement states that the cost-effectiveness for the projects in a SoBRA tranche shall be evaluated in total by considering only whether the projects in the tranche will lower the company's projected system CPVRR as compared to such CPVRR without the solar projects.

Q. Have you evaluated the two projects covered by the Third SoBRA as required by this cost-effectiveness test?

A. Yes. The two Third SoBRA projects lower the company's projected system CPVRR as compared to such CPVRR without the solar projects by $16.5 million; therefore, the

projects covered by the Third SoBRA satisfy the cost-effectiveness test in the 2017 Agreement. The calculations used to support this conclusion are based on the projected installed costs presented in witness Ward's prepared direct testimony and the SoBRA incentive and are contained in Document No. 3 and 4 of my exhibit. With the exception of the residual value of land described below, the cost-effectiveness calculation for the Third SoBRA was performed using the approach used for the First and Second SoBRAs and as described in R. James Rocha's prepared direct testimony in Docket Nos. 20170260-EI and 20180133-EI.

Q. Why and how did the company include the residual value of the land component of the Wimauma Solar project in its cost-effectiveness calculation?

A. The Third SoBRA is different from the company's first two, because one of the projects (LMR Solar) is being constructed on leased land, which has no up-front capital cost and will have no residual land value at the end of the life of the project. In order to make the Wimauma Solar and LMR Solar projects comparable in the Third SoBRA cost-effectiveness calculation, the company elected to include the residual value of the Wimauma Solar project land as a benefit in the cost-effectiveness calculation, because it

will have value beyond the useful lives of the solar panels and related equipment. The company reflected this benefit as a credit of the purchase cost at year 31, discounted to arrive at the net present value.

Q. Does the Third SoBRA satisfy the cost-effectiveness test in the 2017 Agreement even if the company does not include the residual value of Wimauma Solar land in the calculation?

A. Yes. The CPVRR of the residual value of the Wimauma Solar land is $1.5 million. When the residual land value is excluded, the two Third SoBRA projects lower the company's projected system CPVRR as compared to such CPVRR without the solar projects by $15.0 million, as opposed to $16.5 million when the residual value of land is included. Thus, the Third SoBRA projects are cost-effective whether or not the residual value of land is considered.

Q. Please explain the underlying assumptions used to determine the projected system CPVRR, as reflected in Document No. 4 of your exhibit.

A. The primary assumptions for the cost-effectiveness calculations are the company's demand and energy forecast

and the fuel price forecast.

Demand and energy from Tampa Electric's most recent long-term load forecast are the same as the forecast that will be used in the company's annual filings for 2020 cost recovery factors and its 2020 Ten Year Site Plan. The forecast is shown in Document No. 1 of my exhibit.

The fuel forecast used in the CPVRR analysis is the same as the one that will be used in preparing the 2020 projected costs and recovery factors to be submitted in Tampa Electric's annual filings for 2020 cost recovery factors. The fuel forecast was prepared using the same methodology the company has relied upon to develop its fuel price forecast for each year for approximately the past ten years and is shown in Document No. 2 of my exhibit.

Q. Please explain how the $193.0 million projected value of fuel savings was determined.

A. Using the company's Integrated Resource Planning process, a long-term base case model was prepared without the third tranche of solar generation. Next, starting from this base case, a change case model was prepared with the third tranche, 149.3 MW of solar generation, in service as of

January 1, 2020. The base case and change case were run with the production cost modeling software to determine system cumulative net present value revenue requirements, including fuel costs. The cost associated with the change case is subtracted from the base case to determine the savings.

The fuel savings over the life of the project is $193.0 million, as shown in Document No. 5 of my exhibit.

Q. Please describe how the capacity value of deferral associated with the Third SoBRA projects was determined.

A. The company apportioned the value of deferral for the 600 MW of solar contemplated in the 2017 Agreement to the individual tranches specified in paragraph 6, so the Third SoBRA was given a pro-rata share of the total value of deferral for the 600 MW taken as a whole. Doing so is consistent with the intent of the parties when the agreement was negotiated. It is also consistent with the approach used in the company's First and Second SoBRA.

Paragraph 6 of the 2017 Settlement Agreement was intended by the parties to give Tampa Electric an opportunity to build 550 MW of cost-effective solar generation (plus an

additional 50 MW as an incentive) over a period of time. The total capacity was divided into three tranches (with an optional fourth) and staged or allocated to future time periods to accommodate orderly construction and to phase in and moderate the rate impact to retail customers. During the negotiations, the company disclosed its plans to purchase the solar modules for the entire 600 MW and then finalized the purchase in 2017. Although the specifics of the cost-effectiveness test contemplated in the 2017 Settlement Agreement were not spelled out in paragraph 6, the way in which the company has apportioned solar capacity value and value of other deferred capacity in its CPVRR calculation is consistent with the way the parties discussed the solar additions in paragraph 6 of the 2017 Settlement Agreement. The company recognizes that this approach is not consistent with the method the Commission typically uses when attributing value of deferral in a CPVRR project, and acknowledges that the approach used in its SoBRA is not intended to have any precedential value to the company or otherwise beyond the scope of the 600 MW of solar contemplated in the 2017 Agreement.

The company calculated these capacity values of deferral as a way to prorate the expansion plan savings from the entire 600 MW in the Agreement across the Solar Generation

Tranches. It is also the same ratable approach of value of deferral used when evaluating demand-side management programs in Tampa Electric's conservation dockets. This was essential because expansion plan additions are "lumpy," and even 1 MW of Tranche 1 or 2 could be the tipping point to defer an expansion plan addition while Tranche 3 does not. To do otherwise would incorrectly benefit one tranche at the expense of the other tranches and would be inconsistent with the solar capacity additions contemplated in the Agreement, which led the company to plan and procure solar equipment for 600 MW of solar generation.

The Third SoBRA solar projects do not change the expansion plan compared to the base case expansion plan. The First SoBRA and the full 600 MW did defer future units. Therefore, Tampa Electric made the decision to pro-rate the first unit deferred across all four tranches. The credit shown derives solely from a value of deferral calculated capacity value of the Third SoBRA solar projects. Only the firm (applies to reserve margin) portion of capacity value is included as a credit. This calculation is shown as a $42.9 million credit for the Third SoBRA, in Document No. 5 of my exhibit.

Q. Please explain the projected system CPVRR calculations reflected in Document No. 5 of your exhibit.

A. For the 149.3 MW being constructed, the differential CPVRR is favorable for customers by $16.5 million before any value for reduced emissions is included and $33.3 million when the value of reduced emissions is included. Tampa Electric tested these savings to customers using sensitivities on fuel prices and the market price forecast for carbon. The high and low fuel forecasts were prepared contemporaneously with the base fuel forecast. The results show that customer savings occur under the base case and high fuel forecast sensitivity.

Q. Please discuss other benefits of the Third SoBRA, including lower emissions.

A. The two solar projects included in the Third SoBRA will decrease carbon dioxide ("CO_2") emissions by over 181,000 tons per year, while in the early years, they will decrease nitrogen oxide ("NOx") emissions by thousands of tons per year and sulfur dioxide ("SO_2") emissions by thousands of tons per year. Additionally, the solar projects will result in increased construction jobs and additional property tax revenues for the county. All the while, Tampa Electric

will maintain competitive rates for customers which are expected to remain among the lowest of Florida's investor-owned utilities.

SUMMARY

Q. Please summarize your prepared direct testimony.

A. The annual revenue requirement for the Third SoBRA is $26,539,000 without the incentive and $26,596,000 including the incentive. The two solar projects consisting of 149.3 MW of new solar capacity being constructed in conjunction with the Third SoBRA will yield CPVRR savings of $16.5 million. These projects will reduce air emissions and increase fuel diversity and improve price stability for customers. The assumptions used in my cost-effectiveness calculations are reasonable, the methodology used is sound, and the results comport with the provisions of the 2017 Agreement and the cost-effectiveness standards of the Commission. Tampa Electric, accordingly, requests approval of the Third SoBRA by the Commission.

Q. Does this conclude your prepared direct testimony?

A. Yes, it does.

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
EXHIBIT NO. _____(JAA-1)

EXHIBIT

OF

JOSE A. APONTE

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TAMPA ELECTRIC COMPANY
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Demand & Energy Forecast

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
EXHIBIT NO. ____ (JAA-1)
WITNESS: APONTE
DOCUMENT NO. 1

Demand & Energy Forecast

	Winter (MW)	Summer (MW)	Energy (GWh)
2019	3,091	4,106	20,432
2020	4,384	4,148	20,497
2021	4,447	4,193	20,674
2022	4,505	4,242	20,882
2023	4,567	4,294	21,105
2024	4,628	4,344	21,338
2025	4,686	4,391	21,547
2026	4,738	4,435	21,738
2027	4,791	4,481	21,950
2028	4,844	4,530	22,181
2029	4,898	4,580	22,430
2030	4,953	4,628	22,674
2031	5,004	4,672	22,904
2032	5,052	4,718	23,138
2033	5,102	4,764	23,375
2034	5,152	4,812	23,621
2035	5,204	4,859	23,867
2036	5,251	4,903	24,103
2037	5,297	4,947	24,342
2038	5,343	4,992	24,584
2039	5,343	4,992	24,584
2040	5,343	4,992	24,584
2041	5,343	4,992	24,584
2042	5,343	4,992	24,584
2043	5,343	4,992	24,584
2044	5,343	4,992	24,584
2045	5,343	4,992	24,584
2046	5,343	4,992	24,584
2047	5,343	4,992	24,584
2048	5,343	4,992	24,584
2049	5,343	4,992	24,584

TAMPA ELECTRIC COMPANY
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Fuel Forecast

TAMPA ELECTRIC COMPANY
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WITNESS: APONTE
DOCUMENT NO. 2

Fuel Forecast ($/MMBtu)

	Coal	Natural Gas
2019	3.21	3.04
2020	3.22	2.87
2021	3.27	2.80
2022	3.28	2.93
2023	3.32	3.14
2024	3.46	3.33
2025	3.60	3.63
2026	3.73	4.01
2027	3.86	4.28
2028	3.99	4.51
2029	4.14	4.69
2030	4.28	4.85
2031	4.43	5.00
2032	4.60	5.19
2033	4.77	5.40
2034	4.94	5.62
2035	5.12	5.85
2036	5.31	6.13
2037	5.50	6.39
2038	5.71	6.64
2039	5.92	6.93
2040	6.13	7.30
2041	6.27	7.57
2042	6.44	7.82
2043	6.63	8.10
2044	6.84	8.44
2045	7.05	8.76
2046	7.25	9.06
2047	7.47	9.40
2048	7.74	9.87
2049	8.02	10.09

TAMPA ELECTRIC COMPANY
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DOCUMENT NO. 3

Revenue Requirements for Third SoBRA

TAMPA ELECTRIC COMPANY
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DOCUMENT NO. 3

Revenue Requirements for Third SoBRA

149.3 MW of Solar Projects

($000)	2020
Wimauma	11,412
Little Manatee River	12,289
Capital RR	23,701
Wimauma	444
Little Manatee River	997
FOM	1,440
Land RR	1,397
TOTAL RR	26,539

Revenue Requirements for Third SoBRA

With Sharing Mechanism

149.3 MW of Solar Projects with 75%/25% Incentive

($000)	2020
Wimauma	11,459
Little Manatee River	12,300
Capital RR	23,759
Wimauma	444
Little Manatee River	997
FOM	1,440
Land RR	1,397
TOTAL RR	26,596

Note: Totals may not sum due to rounding.

TAMPA ELECTRIC COMPANY
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Revenue Requirements
for Third SoBRA
with LMR Land as Purchase

TAMPA ELECTRIC COMPANY
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DOCUMENT NO. 4

Revenue Requirements for Third SoBRA

149.3 MW of Solar Projects

LMR Land as Purchase

($000)	2020
Wimauma	11,412
Little Manatee River	12,289
Capital RR	23,701
Wimauma	444
Little Manatee River	442
FOM	885
Land RR	2,074
TOTAL RR	26,661

Revenue Requirements for Third SoBRA

With Sharing Mechanism

149.3 MW of Solar Projects

with 75%/25% Incentive

LMR Land as Purchase

($000)	2020
Wimauma	11,459
Little Manatee River	12,300
Capital RR	23,759
Wimauma	444
Little Manatee River	442
FOM	885
Land RR	2,074
TOTAL RR	26,718

Note: Totals may not sum due to rounding.

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
EXHIBIT NO. ____ (JAA-1)
WITNESS: APONTE
DOCUMENT NO. 5

Cost-Effectiveness Test for Third SoBRA

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
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WITNESS: APONTE
DOCUMENT NO. 5

COST-EFFECTIVENESS TEST FOR THIRD SoBRA

Delta CPVRR Revenue Requirements - Base Fuel	Cost/(Savings) (2019 US $ millions)
Capital RR - Other New Units	$0.0
Value of Deferral	($42.9)
Capital RR - Solar New Arrays (w/Interconnect)	$195.1
RR of Land for Solar	$15.5
System VOM	($8.2)
FOM - Other Future Units	$0.0
FOM - Solar Future Arrays	$17.0
System Fuel	($193.0)
System Capacity	$0.0
Sub Total w/o NOx or CO_2 Cost	($16.5)
Plus Emissions Costs	
CO_2 - Base	($16.6)
CO_2 - High	($59.0)
CO_2 - Low	$0.0
NOx - Base	$0.2
BASE: Total w/ CO_2 & NOx Cost	($33.3)
HIGH: Total w/ CO_2 & NOx Cost	($75.6)
LOW: Total w/ CO_2 & NOx Cost	($16.7)

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 2019_____-EI
IN RE: PETITION BY TAMPA ELECTRIC COMPANY FOR A LIMITED PROCEEDING TO APPROVE THIRD SOBRA EFFECTIVE JANUARY 1, 2020

PREPARED DIRECT TESTIMONY AND EXHIBIT OF WILLIAM R. ASHBURN

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

WILLIAM R. ASHBURN

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

A. My name is William R. Ashburn. My business address is 702 N. Franklin Street, Tampa, Florida 33602. I am employed by Tampa Electric Company ("Tampa Electric" or "company") as Director, Pricing and Financial Analysis.

Q. Please provide a brief outline of your educational background and business experience.

A. I graduated from Creighton University with a Bachelor of Science degree in Business Administration. Upon graduation, I joined Ebasco Business Consulting Company where my consulting assignments included the areas of cost allocation, computer software development, electric system inventory and mapping, cost of service filings and property record development. I joined Tampa Electric in 1983 as a Senior Cost Consultant in the Rates and Customer Accounting Department. At Tampa Electric I have

held a series of positions with responsibility for cost of service studies, rate filings, rate design, implementation of new conservation and marketing programs, customer surveys and various state and federal regulatory filings. In March 2001, I was promoted to my current position of Director, Pricing and Financial Analysis in Tampa Electric's Regulatory Affairs Department. I am a member of the Rate and Regulatory Affairs Committee of the Edison Electric Institute ("EEI").

Q. Have you previously testified before the Florida Public Service Commission ("Commission")?

A. Yes. I have testified or filed testimony before this Commission in several dockets. Most recently, I filed testimony before this Commission in Docket No. 20180045-EI, Consideration of the Tax Impacts Associated with Tax Cuts and Jobs Act of 2017 for Tampa Electric and Docket No. 20180133-EI, petition for limited proceeding to approve second solar base rate adjustment ("SoBRA"), effective January 1, 2019, by Tampa Electric Company. I also testified before this Commission in Docket No. 20170260-EI, petition for limited proceeding to approve first solar base rate adjustment, effective September 1, 2018, by Tampa

Electric Company. I testified for Tampa Electric in Docket No. 20170210-EI as a member of a panel of witnesses during the November 6, 2017 hearing on the 2017 Amended and Restated Stipulation and Settlement Agreement ("2017 Agreement"). I also testified on behalf of Tampa Electric in Docket No. 20130040-EI regarding the company's petition for an increase in base rates and miscellaneous service charges and in Docket No. 20080317-EI which was Tampa Electric's previous base rate proceeding. I testified in Docket No. 20020898-EI regarding a self-service wheeling experiment and in Docket No. 20000061-EI regarding the company's Commercial/Industrial service rider. In Docket Nos. 20000824-EI, 20001148-EI, 20010577-EI and 20020898-EI, I testified at different times for Tampa Electric and as a joint witness representing Tampa Electric, Florida Power & Light Company ("FP&L") and Progress Energy Florida, Inc. ("PEF") regarding rate and cost support matters related to the GridFlorida proposals. In addition, I represented Tampa Electric numerous times at workshops and in other proceedings regarding rate, cost of service and related matters. I have also provided testimony and represented Tampa Electric before the Federal Energy Regulatory Commission ("FERC") in rate and cost of service matters.

Q. What are the purposes of your prepared direct testimony?

A. The purposes of my prepared direct testimony are to: (1) describe the provisions in the 2017 Agreement approved by the Commission that govern the cost of service and rate design for a SoBRA and (2) sponsor and explain the proposed rates and tariffs for the company's Third SoBRA, effective on the first billing cycle of January 2020.

Q. Have you prepared an exhibit to support your direct testimony?

A. Yes. Exhibit No. ____ (WRA-1) was prepared under my direction and supervision. It consists of the following seven documents:

Document No. 1	Development of Third SoBRA Base Revenue Increase by Rate Class
Document No. 2	Base Revenue by Rate Schedule for Third SoBRA
Document No. 3	Rollup Base Revenue by Rate Class for Third SoBRA
Document No. 4	Typical Bills Reflecting Third SoBRA Base Revenue Increase
Document No. 5	Determination of Fuel Recovery Factor for Third SoBRA

Document No. 6 Redlined Tariffs Reflecting Third SoBRA Base Revenue Increase

Document No. 7 Clean Tariffs Reflecting Third SoBRA Base Revenue Increase

Q. How does your prepared direct testimony relate to the prepared direct testimony of Tampa Electric witnesses Mark D. Ward and Jose A. Aponte, filed concurrently in this docket?

A. Tampa Electric witness Mark D. Ward's prepared direct testimony describes the two solar projects, Wimauma Solar and Little Manatee River ("LMR") Solar, for which cost recovery is requested via the company's Third SoBRA, as well as their projected in-service dates and installed cost per kilowatt alternating current ("kW_{ac}"). Tampa Electric witness Jose A. Aponte's prepared direct testimony presents the annual revenue requirement for the company's Third SoBRA using the projected installed project costs presented in witness Ward's prepared direct testimony. I use the annual revenue requirement from witness Aponte's prepared direct testimony to develop the proposed base rate adjustment for the Third SoBRA.

2017 AGREEMENT GUIDANCE FOR SOBRA

Q. Please describe how the 2017 Agreement calls for the SoBRA revenue requirements to be allocated to rate classes.

A. The 2017 Agreement directs that the SoBRA revenue requirements be allocated to rate classes using the 12 Coincident Peak ("CP") and 1/13th Average Demand ("AD") method of allocating production plant and be applied to existing base rates, charges and credits as described by the following two principles:

1. Only 40 percent of the revenue requirement that would otherwise be allocated to the lighting rate class under the 12 CP and 1/13th AD methodology shall be allocated to the lighting class through an increase to the lighting base energy rate, and the remaining 60 percent shall be allocated ratably to the other classes.
2. The 12 CP and 1/13th AD allocation factor used to derive the revenue requirement allocation shall be based on factors used in Tampa Electric's then most current energy conservation cost recovery ("ECCR") clause filings with the Commission.

Q. Once the revenue requirement has been allocated to rate classes, how will the SoBRA rates to recover each class's

revenue requirement be designed?

A. The 2017 Agreement requires the following three principles be employed when designing the base rate adjustments for SoBRA:

1. The revenue requirement associated with SoBRA will be used to increase demand charges for rate schedules with demand charges and energy charges for rate schedules without demand charges.
2. Within the GSD and IS rate classes, the allocated SoBRA revenue requirement will be applied to non-standby demand charges only.
3. The billing determinants used to derive the base rate adjustments shall be based on factors and determinants used in Tampa Electric's then most current ECCR clause filings with the Commission.

Q. Do you provide an exhibit that shows the results of applying the allocation methodology called for in the 2017 Agreement?

A. Yes. Document No. 1 of my exhibit was prepared for that purpose. That document, titled "Development of SoBRA Base Revenue Increases by Rate Class," shows how the revenue requirement increase described in witness Aponte's

prepared direct testimony was allocated across the rate classes. Second, the 12 CP and 1/13th AD allocation factor utilized to set 2020 ECCR clause rates was used to allocate the total revenue requirement increase to all rate classes. Then, the part that was allocated to the Lighting class was split 60/40, with 40 percent recovered from the Lighting class and the remaining 60 percent reallocated to the other rate classes using the same 12 CP and 1/13th AD allocation factor (less the lighting portion).

Q. Does the 2017 Agreement provide for a true-up mechanism to be applied to SoBRA rates?

A. Yes. The 2017 Agreement provides that each SoBRA tranche will be subject to a true-up for the actual cost of the approved project. Once the difference between the estimated and actual costs is known, the true-up amount will be included in the Capacity Cost Recovery Clause rates, with interest applied, and the permanent base rate SoBRA charges will be implemented.

PROPOSED RATES AND TARIFFS FOR SOBRA

Q. Having completed the allocation of the SoBRA revenue requirement to rate classes, what is the next step to

derive the base rate adjustment?

A. Using the methodology called for in the 2017 Agreement described above, certain rates in each rate class were increased to recover the identified revenue requirement.

Q. Do you have exhibits that show the results of that base rate adjustment design?

A. Yes. Document No. 2 of my exhibit was prepared for that purpose. It presents the company's proposed rate changes to recover the Third SoBRA class revenue requirements by rate and rate schedule in the format required by Minimum Filing Requirement ("MFR") Schedule E-13c. Document No. 3 of my exhibit rolls up the rate schedule amounts to rate class using the MFR Schedule E-13a format, which then can be compared to Document No. 1 of my exhibit to show how close the rate design comes to collecting the allocated revenue requirements. Document No. 4 of my exhibit utilizes the format of MFR Schedule A-2 to show the impact of the Third SoBRA increase on typical RS, GS, GSD and IS bills. Finally, Document No. 5 of my exhibit shows the determination of the rate impact associated with the Third SoBRA fuel cost savings.

Q. Please explain the fuel impact of the Third SoBRA and how that affects rates in 2020.

A. The third tranche of solar generation that will begin service January 1, 2020 and is expected to provide fuel savings of approximately $11.3 million during 2020. Those expected fuel savings will be included in the company's proposed 2020 annual fuel cost recovery factors to be submitted to the Commission on September 3, 2019. The savings represent an estimated $0.58 reduction on the 2020 residential customer 1,000 kWh monthly bill.

Q. Do you provide an exhibit that shows the redlined changes to tariff sheets affected by implementation of the Third SoBRA?

A. Yes. Document No. 6 of my exhibit was prepared for that purpose. It shows the proposed rates in comparison to the company's current rates.

Q. Do you provide an exhibit that shows the clean tariff sheets affected by implementation of the Third SoBRA?

A. Yes. Document No. 7 of my exhibit was prepared for that purpose.

SUMMARY

Q. Please summarize your prepared direct testimony.

A. I have performed the cost of service and rate design components of the Third SoBRA in accordance with the provisions of the 2017 Agreement. I have also performed rate class allocations and determined the appropriate base rate increases by rate class needed to recover the Third SoBRA revenue requirement. The proposed fuel savings and residential customer bill impacts are as described in my direct testimony and exhibit. The modified tariff sheets that accompany my prepared direct testimony properly implement the Third SoBRA rate adjustments and should be approved by the Commission.

Q. Does this conclude your prepared direct testimony?

A. Yes, it does.

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
EXHIBIT No. _____ (WRA-1)

EXHIBIT

OF

WILLIAM R. ASHBURN

Table of Contents

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
EXHIBIT NO. ___ (WRA-1)
WITNESS: ASHBURN
DOCUMENT NO. 1

Development of

Third SoBRA Base Revenue Increase

by Rate Class

TAMPA ELECTRIC COMPANY
DEVELOPMENT OF SoBRA TRANCHE #3 BASE REVENUE INCREASE BY RATE CLASS FOR 2020
USING JANUARY 1, 2019 RATES ADJUSTED FOR SoBRA TRANCHE #2
($000)

149.3 MW SoBRA Tranche #3
12CP &1/13 - All Demand

Line		Rate Class	(A) Adjusted Revenue Requirement(1)	(B) Present Base Revenue(2)	(C) Base Revenue Deficiency $ (A) - (B)	(D) Base Revenue Deficiency % (C) / (B)	(E) Proposed Base Rev. Increase $	(F) Proposed Base Rev. Increase % (E) / (B)	(G) 2020 Targeted Base Revenue (B) + (E)
1	I.	Residential (RS,RSVP)	$ 664,701	$ 649,680	$ 15,021	2.31%			
2									
3	II.	General Service							
4		Non-Demand (GS,CS)	70,161	68,788	1,373	2.00%			
5									
6									
7		Sub-Total: I. + II.	$ 734,862	$ 718,468	$ 16,394	2.28%	$ 16,394	2.28%	$ 734,862
8									
9									
10	III.	General Service							
11		Demand (GSD, SBF)	354,391	344,901	9,490	2.75%	$ 9,490	2.75%	354,391
12									
13	IV.	Interruptible Service (IS/SBI)	24,859	24,169	690	2.85%	$ 690	2.85%	24,859
15									
16									
19	V.	Lighting (LS-1)							
20		A. - Energy	$ 3,920	3,899	21	0.55%	$ 21	0.55%	$ 3,920
21		B. - Facilities	43,545	43,545	-	0.00%	$ -	0.00%	$ 43,545
22									
23									
24		Total	$ 1,161,577	$ 1,134,982	$ 26,596	2.34%	$ 26,596	2.34%	$ 1,161,577
25									
26				$ 26,596					
27									

28 (1) The Adjusted Revenue Requirement column reflects an increase of $26.596 million annual 3rd SoBRA revenues based on each class'
29 percentage of 12 CP & 1/13th allocator plus an 40% allocation to lighting service of SoBRA increase.
30 (2) Present base revenue is calculated using base rates in effect on January 1, 2019 applied to 2020 projected billing determinants
31

TAMPA ELECTRIC COMPANY
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2020
12 CP &1/13 Allocation

26596

Lighting allocation spread over other classes
53 0.286%
60.00%
32
40.00%
21

		Lighting Share Reallocation		FINAL RR		Lighting Share Reallocation		FINAL RR
$000	%	$000	%	$000		$000	%	$000
15,003	56.411%	30	56.53%	15,033		18	56.53%	15,021
1,372	5.157%	3	5.17%	1,374		2	5.17%	1,373
	61.568%							
9,479	35.640%	19	35.71%	9,498		11	35.71%	9,490
689	2.590%	1	2.60%	690		1	2.60%	690
53	0.201%							21
26,596	100.00%	53	100%	26,596		32	100%	26,596

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
EXHIBIT NO. ___ (WRA-1)
WITNESS: ASHBURN
DOCUMENT NO. 2

Base Revenue by Rate Schedule for Third SoBRA

SCHEDULE E-13c | BASE REVENUE BY RATE SCHEDULE - CALCULATIONS | Page 1 of 17

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Line No.	Page No.	Rate Schedule
1		
2		
3		
4		
5		
6	2	RS, RSVP-1
7	3	GS, GST
8	4	CS
9	5	GSD, GSDT
10	6	GSD Optional
11	9	SBF, SBFT
12	10	IS, IST
13	14	SBI
14	16	LS-1 (Energy Service)
15		
16		
17		
18		
19		
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35		
36		

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule RS, RSVP-1

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit	$ Revenue	Proposed Revenue Calculation Units		Charge/Unit	$ Revenue	Percent Increase
1										
2	Basic Service Charge:									
3	Standard	8,322,094	Bills	$ 15.12	125,827,015	8,322,094	Bills	$ 15.12	125,827,015	
4	RSVP-1	57,343	Bills	$ 15.12	867,005	57,343	Bills	$ 15.12	867,005	
5	Total	8,379,437	Bills		126,694,020	8,379,437	Bills		126,694,020	0.0%
6										
7										
8										
9	Energy Charge:									
10	Standard									
11	First 1,000 kWh	6,523,664	MWH	$ 51.41	335,411,575	6,523,664	MWH	$ 52.96	345,519,340	
12	All additional kWh	2,977,074	MWH	$ 61.41	182,835,809	2,977,074	MWH	$ 62.96	187,448,487	
13	RSVP-1	86,854	MWH	$ 54.55	4,738,285	86,854	MWH	$ 56.10	4,872,857	
14	Total	9,587,592	MWH		522,985,669	9,587,592	MWH		537,840,684	2.8%
15										
16										
17										
18	Total Base Revenue:				649,679,690				664,534,705	2.3%
19										
20										
21										
22										
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25										
26										
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29										
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31										
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33										
34										
35										

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule GS, GST

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit	$ Revenue	Proposed Revenue Calculation Units		Charge/Unit	$ Revenue	Percent Increase
1										
2	Basic Service Charge:									
3	Standard Metered	775,286	Bills	$ 18.14	14,063,627	775,286	Bills	$ 18.14	14,063,627	
4	Standard Unmetered	1,176	Bills	$ 15.12	17,781	1,176	Bills	$ 15.12	17,781	
5	T-O-D	30,836	Bills	$ 20.16	621,639	30,836	Bills	$ 20.16	621,639	
6	T-O-D (Meter CIAC paid)	12	Bills	$ 18.14	218	12	Bills	$ 18.14	218	
7	Total	807,310	Bills		14,703,265	807,310	Bills		14,703,265	0.0%
8										
9	Energy Charge:									
10	Standard	929,074	MWH	$ 54.12	50,280,184	929,074	MWH	$ 55.68	51,726,195	
11	Standard Unmetered	1,250	MWH	$ 54.12	67,648	1,250	MWH	$ 55.68	69,594	
12	T-O-D On-Peak	9,516	MWH	$ 149.63	1,423,879	9,516	MWH	$ 125.21	1,191,498	
13	T-O-D Off-Peak	27,957	MWH	$ 21.08	589,414	27,957	MWH	$ 31.62	884,121	
14	Total	967,797	MWH		52,361,126	967,797	MWH		53,871,408	2.9%
15										
16	Emergency Relay Charge:									
17	Standard	1,677	MWH	$ 1.64	2,753	1,677	MWH	$ 1.69	2,832	
18	T-O-D	-	MWH	$ 1.64	-	-	MWH	$ 1.69	-	
19	Total	1,677	MWH		2,753	1,677	MWH		2,832	2.8%
20										
21										
22										
23	Total Base Revenue:				67,067,144				68,577,504	2.3%
24										
25										
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35										

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule CS

Line No.	Type of Charges	Present Revenue Calculation Units	Charge/Unit	$ Revenue	Proposed Revenue Calculation Units	Charge/Unit	$ Revenue	Percent Increase
1								
2	Basic Service Charge:							
3		46,424 Bills	$ 18.14	842,128	46,424 Bills	$ 18.14	842,128	
4	Total	46,424 Bills		842,128	46,424 Bills		842,128	0.0%
5								
6	Energy Charge:							
7		16,241 MWH	$ 54.12	878,940	16,241 MWH	$ 55.68	904,218	
8	Total	16,241 MWH		878,940	16,241 MWH		904,218	2.9%
9								
10								
11								
12	Total Base Revenue:			1,721,068			1,746,345	1.5%
13								
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Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.

PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:

XX Projected Test year Ended 12/31/2020

Rate Schedule GSD, GSDT

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit	$ Revenue	Proposed Revenue Calculation Units		Charge/Unit	$ Revenue	Percent Increase
1	Basic Service Charge:									
2	Standard - Secondary	147,334	Bills	$ 30.24	4,455,272	147,334	Bills	$ 30.24	4,455,272	
3	Standard - Primary	709	Bills	$ 131.03	92,842	709	Bills	$ 131.03	92,842	
4	Standard - Subtransmission	-	Bills	$ 997.80	-	0	Bills	$ 997.80	-	
5	T-O-D - Secondary	14,609	Bills	$ 30.24	441,765	14,609	Bills	$ 30.24	441,765	
6	T-O-D - Primary	726	Bills	$ 131.03	95,126	726	Bills	$ 131.03	95,126	
7	T-O-D - Subtransmission	23	Bills	$ 997.80	22,950	23	Bills	$ 997.80	22,950	
8	Total	163,401	Bills		5,107,956	163,401			5,107,956	0.0%
9										
10	Energy Charge:									
11	Standard - Secondary	4,256,906	MWH	$ 15.96	67,925,666	4,256,906	MWH	$ 15.96	67,925,666	
12	Standard - Primary	272,236	MWH	$ 15.96	4,343,956	272,236	MWH	$ 15.96	4,343,956	
13	Standard - Subtransmission	-	MWH	$ 15.96	-	-	MWH	$ 15.96	-	
14	T-O-D On-Peak - Secondary	526,866	MWH	$ 29.21	15,390,429	526,866	MWH	$ 29.21	15,390,429	
15	T-O-D On-Peak - Primary	264,479	MWH	$ 29.21	7,725,770	264,479	MWH	$ 29.21	7,725,770	
16	T-O-D On-Peak - Subtrans.	394	MWH	$ 29.21	11,509	394	MWH	$ 29.21	11,509	
17	T-O-D Off-Peak - Secondary	1,462,761	MWH	$ 10.54	15,422,936	1,462,761	MWH	$ 10.54	15,422,936	
18	T-O-D Off-Peak - Primary	727,910	MWH	$ 10.54	7,674,876	727,910	MWH	$ 10.54	7,674,876	
19	T-O-D Off-Peak - Subtrans.	1,054	MWH	$ 10.54	11,113	1,054	MWH	$ 10.54	11,113	
20	Total	7,512,606	MWH		118,506,256	7,512,606	MWH		118,506,256	0.0%
21										
22	Demand Charge:									
23	Standard - Secondary	11,166,047	kW	$ 10.59	118,248,438	11,166,047	kW	$ 11.08	123,719,801	
24	Standard - Primary	678,283	kW	$ 10.59	7,183,017	678,283	kW	$ 11.08	7,515,376	
25	Standard - Subtransmission	-	kW	$ 10.59	-	-	kW	$ 11.08	-	
26	T-O-D Billing - Secondary	3,746,018	kW	$ 3.57	13,373,284	3,746,018	kW	$ 3.73	13,972,647	
27	T-O-D Billing - Primary	1,888,089	kW	$ 3.57	6,740,478	1,888,089	kW	$ 3.73	7,042,572	
28	T-O-D Billing - Subtrans.	4,882	kW	$ 3.57	17,429	4,882	kW	$ 3.73	18,210	
29	T-O-D Peak - Secondary	3,615,816	kW (1)	$ 7.02	25,383,028	3,615,816	kW (1)	$ 7.34	26,540,089	
30	T-O-D Peak - Primary	1,817,745	kW (1)	$ 7.02	12,760,570	1,817,745	kW (1)	$ 7.34	13,342,248	
31	T-O-D Peak - Subtrans.	4,812	kW (1)	$ 7.02	33,780	4,812	kW (1)	$ 7.34	35,320	
32	Total	17,483,319	kW		183,740,024	17,483,319	kW		192,186,263	4.6%
33										
34	(1) Not included in Total.									
35										

Continued on Page 6

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule GSD, GSDT

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit	$ Revenue	Proposed Revenue Calculation Units		Charge/Unit	$ Revenue	Percent Increase
1	Continued from Page 8									
2										
3	Delivery Voltage Credit:									
4	Standard Primary	640,319	kW	$ (0.86)	(550,674)	640,319	kW	$ (0.90)	(576,287)	
5	Standard - Subtransmission	-	kW	$ (2.66)	-	-	kW	$ (2.78)	-	
6	T-O-D Primary	1,515,029	kW	$ (0.86)	(1,302,925)	1,515,029	kW	$ (0.90)	(1,363,526)	
7	T-O-D Subtransmission	4,552	kW	$ (2.66)	(12,108)	4,552	kW	$ (2.78)	(12,655)	
8	Total	2,159,900	kW		(1,865,708)	2,159,900	kW		(1,952,468)	4.7%
9										
10	Emergency Relay Charge:									
11	Standard Secondary	492,088	kW	$ 0.68	334,620	492,088	kW	$ 0.71	349,382	
12	Standard Primary	175,006	kW	$ 0.68	119,004	175,006	kW	$ 0.71	124,254	
13	Standard - Subtransmission	-	kW	$ 0.68	-	-	kW	$ 0.71	-	
14	T-O-D Secondary	777,079	kW	$ 0.68	528,414	777,079	kW	$ 0.71	551,726	
15	T-O-D Primary	739,960	kW	$ 0.68	503,173	739,960	kW	$ 0.71	525,372	
16	T-O-D Subtransmission	-	kW	$ 0.68	-	-	kW	$ 0.71	-	
17	Total	2,184,133	kW		1,485,210	2,184,133	kW		1,550,734	4.4%
18										
19	Power Factor Charge:									
20	Standard Secondary	13,438	MVARh	$ 2.02	27,146	13,438	MVARh	$ 2.02	27,146	
21	Standard Primary	4,936	MVARh	$ 2.02	9,971	4,936	MVARh	$ 2.02	9,971	
22	Standard - Subtransmission	0	MVARh	$ 2.02	-	0	MVARh	$ 2.02	-	
23	T-O-D Secondary	15,334	MVARh	$ 2.02	30,976	15,334	MVARh	$ 2.02	30,976	
24	T-O-D Primary	7,952	MVARh	$ 2.02	16,064	7,952	MVARh	$ 2.02	16,064	
25	T-O-D Subtransmission	43	MVARh	$ 2.02	87	43	MVARh	$ 2.02	87	
26		41,703	MVARh		84,244	41,703	MVARh		84,244	0.0%
27										
28										
29										
30										
31										
32										
33										
34										
35										

Supporting Schedules:

Recap Schedules: E-13a

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019____-EI
EXHIBIT NO. ____ (WRA-1)
WITNESS: ASHBURN
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FILED: 06/28/2019

SCHEDULE E-13c | BASE REVENUE BY RATE SCHEDULE - CALCULATIONS | Page 7 of 17

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

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Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule GSD, GSDT

Line No.	Type of Charges	Present Revenue Calculation Units	Charge/Unit	$ Revenue	Proposed Revenue Calculation Units	Charge/Unit	$ Revenue	Percent Increase
1	Continued from Page 9							
2								
3	Power Factor Credit:							
4	Standard Secondary	39514 MVARh	$ (1.01)	(39,911)	39514 MVARh	$ (1.01)	(39,911)	
5	Standard Primary	21307 MVARh	$ (1.01)	(21,521)	21307 MVARh	$ (1.01)	(21,521)	
6	Standard - Subtransmission	0 MVARh	$ (1.01)	-	0 MVARh	$ (1.01)	-	
7	T-O-D Secondary	120485 MVARh	$ (1.01)	(121,695)	120485 MVARh	$ (1.01)	(121,695)	
8	T-O-D Primary	71098 MVARh	$ (1.01)	(71,812)	71098 MVARh	$ (1.01)	(71,812)	
9	T-O-D Subtransmission	0 MVARh	$ (1.01)	-	0 MVARh	$ (1.01)	-	
10		252,404 MVARh		(254,939)	252,404 MVARh		(254,939)	0.0%
11								
12								
13	Metering Voltage Adjustment:							
14	Standard Primary	11,083,753	$ -1%	(110,838)	11,395,749	$ -1%	(113,957)	
15	Standard - Subtransmission	-	$ -2%	-	-	$ -2%	-	
16	T-O-D Primary	34,046,193	$ -1%	(340,462)	34,891,563	$ -1%	(348,916)	
17	T-O-D Subtransmission	61,810	$ -2%	(1,236)	63,585	$ -2%	(1,272)	
18	Total	45,191,756	$	(452,536)	46,350,897	$	(464,145)	2.6%
19								
20								
21								
22								
23	Total Base Revenue:			306,350,507			314,763,901	2.7%
24								
25								
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule GSD Optional

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit	$ Revenue	Proposed Revenue Calculation Units		Charge/Unit	$ Revenue	Percent Increase
1	Basic Service Charge:									
2	Optional - Secondary	31,860	Bills	$ 30.24	963,423	31,860	Bills	$ 30.24	963,423	
3	Optional - Primary	314	Bills	$ 131.03	41,143	314	Bills	$ 131.03	41,143	
4	Optional - Subtransmission	-		$ 997.80	-	-		$ 997.80	-	
5	Total	32,174	Bills		1,004,566	32,174	Bills		1,004,566	0.0%
6										
7	Energy Charge:									
8	Optional - Secondary	498,980	MWH	$ 64.94	32,403,761	498,980	MWH	$ 66.81	33,336,854	
9	Optional - Primary	9,705	MWH	$ 64.94	630,243	9,705	MWH	$ 66.81	648,391	
10	Total	508,685	MWH		33,034,004	508,685	MWH		33,985,245	2.9%
11										
12	Demand Charge:									
13	Optional - Secondary	3,011,720	kW	$ -	-	3,011,720	kW	$ -	-	
14	Optional - Primary	82,063	kW	$ -	-	82,063	kW	$ -	-	
15	Total	3,093,783	kW		-	3,093,783			-	0.0%
16										
17	Delivery Voltage Credit:									
18	Optional - Primary	6,929	MWH	$ (2.28)	(15,798)	6,929	MWH	$ (2.39)	(16,560)	
19	Optional - Subtransmission	-	MWH	$ (6.95)	-	-	MWH	$ (7.27)	-	
20	Total	6,929	MWH		(15,798)	6,929	MWH		(16,560)	4.8%
21										
22	Emergency Relay									
23	Optional - Secondary	15,939	MWH	$ 1.72	27,415	15,939	MWH	$ 1.80	28,690	
24	Optional - Primary	-	MWH	$ 1.72	-	-	MWH	$ 1.80	-	
25	Total	15,939	MWH		27,415	15,939	MWH		28,690	4.7%
26										
27	Metering Voltage Adjustment:									
28	Optional - Primary	614,445	$	-1%	(6,144)	631,831	$	-1%	(6,318)	
29	Optional - Subtransmission	-	$	-2%	-	-	$	-2%	-	
30	Total	614,445	$		(6,144)	631,831	$		(6,318)	2.8%
31										
32										
33										
34	Total Base Revenue:				34,044,042				34,995,622	2.8%
35										

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule SBF, SBFT

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit	$ Revenue	Proposed Revenue Calculation Units		Charge/Unit	$ Revenue	Percent Increase
1										
2	Basic Service Charge:									
3	Standard Secondary	0	Bills	$ 55.43	-	0	Bills	$ 55.43	-	
4	Standard Primary	0	Bills	$ 156.22	-	0	Bills	$ 156.22	-	
5	Standard Subtransmission	0	Bills	$ 1,023.00	-	0	Bills	$ 1,023.00	-	
6	T-O-D Secondary	0	Bills	$ 55.43	-	0	Bills	$ 55.43	-	
7	T-O-D Primary	37	Bills	$ 156.22	5,780	37	Bills	$ 156.22	5,780	
8	T-O-D Subtransmission	49	Bills	$ 1,023.00	50,127	49	Bills	$ 1,023.00	50,127	
9	Total	86	Bills		55,907	86	Bills		55,907	0.0%
10										
11	Energy Charge - Supplemental:									
12	Standard Secondary	0	MWH	$ 15.96	-	-	MWH	$ 15.96	-	
13	Standard Primary	0	MWH	$ 15.96	-	-	MWH	$ 15.96	-	
14	Standard Subtransmission	0	MWH	$ 15.96	-	-	MWH	$ 15.96	-	
15	T-O-D On-Peak - Secondary	0	MWH	$ 29.21	-	-	MWH	$ 29.21	-	
16	T-O-D On-Peak - Primary	28,432	MWH	$ 29.21	830,535	28,432	MWH	$ 29.21	830,535	
17	T-O-D On-Peak - Subtrans.	-	MWH	$ 29.21	-	-	MWH	$ 29.21	-	
18	T-O-D Off-Peak - Secondary	0	MWH	$ 10.54	-	-	MWH	$ 10.54	-	
19	T-O-D Off-Peak - Primary	85,163	MWH	$ 10.54	897,934	85,163	MWH	$ 10.54	897,934	
20	T-O-D Off-Peak - Subtrans.	-	MWH	$ 10.54	-	-	MWH	$ 10.54	-	
21	Energy Charge - Standby:									
22	T-O-D On-Peak -Secondary	-	MWH	$ 9.21	-	-	MWH	$ 9.21	-	
23	T-O-D On-Peak - Primary	952	MWH	$ 9.21	8,765	952	MWH	$ 9.21	8,765	
24	T-O-D On-Peak - Subtrans.	1,690	MWH	$ 9.21	15,559	1,690	MWH	$ 9.21	15,559	
25	T-O-D Off-Peak -Secondary	-	MWH	$ 9.21	-	-	MWH	$ 9.21	-	
26	T-O-D Off-Peak - Primary	3,174	MWH	$ 9.21	29,221	3,174	MWH	$ 9.21	29,221	
27	T-O-D Off-Peak - Subtrans.	5,634	MWH	$ 9.21	51,869	5,634	MWH	$ 9.21	51,869	
28	Total	125,045	MWH		1,833,883	125,045	MWH		1,833,883	0.0%
29										
30										
31										
32										
33										
34										
35										

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule SBF, SBFT

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit		$ Revenue	Proposed Revenue Calculation Units		Charge/Unit		$ Revenue	Percent Increase
1	Continued from Page 13											
2												
3	Demand Charge - Supplemental:											
4	Standard Secondary	-	kW	$ 10.59		-	-	kW	$ 11.08		-	
5	Standard Primary	-	kW	$ 10.59		-	-	kW	$ 11.08		-	
6	Standard Subtransmission	-	kW	$ 10.59		-	-	kW	$ 11.08		-	
7	T-O-D Billing - Secondary	-	kW	$ 3.57		-	-	kW	$ 3.73		-	
8	T-O-D Billing - Primary	190,379	kW	$ 3.57		679,653	190,379	kW	$ 3.73		710,114	
9	T-O-D billing - Subtransmission	-	kW	$ 3.57		-	-	kW	$ 3.73		-	
10	T-O-D Peak - Secondary	-	kW (1)	$ 7.02		-	-	kW (1)	$ 7.34		-	
11	T-O-D Peak - Primary	183,502	kW (1)	$ 7.02		1,288,184	183,502	kW (1)	$ 7.34		1,346,905	
12	T-O-D Peak - Subtransmission	-	kW (1)	$ 7.02		-	-	kW (1)	$ 7.34		-	
13	Demand Charge - Standby:											
14	T-O-D Facilities Reservation - Sec.	-	kW	$ 1.96		-	-	kW	$ 1.96		-	
15	T-O-D Facilities Reservation - Pri.	88,164	kW	$ 1.96		172,801	88,164	kW	$ 1.96		172,801	
16	T-O-D Facilities Reservation - Sub.	213,531	kW	$ 1.96		418,521	213,531	kW	$ 1.96		418,521	
17	T-O-D Power Supply Res. - Sec.	-	kW (1)	$ 1.56	/ kW-mo.	-	-	kW (1)	$ 1.56	kW-mo.	-	
18	T-O-D Power Supply Res. - Pri.	46,765	kW (1)	$ 1.56	/ kW-mo.	72,953	46,765	kW (1)	$ 1.56	kW-mo.	72,953	
19	T-O-D Power Supply Res. - Sub.	157,483	kW (1)	$ 1.56	/ kW-mo.	245,673	157,483	kW (1)	$ 1.56	kW-mo.	245,673	
20	T-O-D Power Supply Dmd. - Sec.	-	kW (1)	$ 0.62	/ kW-day	-	-	kW (1)	$ 0.62	kW-day	-	
21	T-O-D Power Supply Dmd. - Pri.	265,494	kW (1)	$ 0.62	/ kW-day	164,606	265,494	kW (1)	$ 0.62	kW-day	164,606	
22	T-O-D Power Supply Dmd. - Sub.	237,125	kW (1)	$ 0.62	/ kW-day	147,018	237,125	kW (1)	$ 0.62	kW-day	147,018	
23	Total	492,074	kW			3,189,410	492,074	kW			3,278,591	2.8%
24												
25												
26	Power Factor Charge Supplemental & Standby:											
27	Standard Secondary	-	MVARh	$ 2.02		-	-	MVARh	$ 2.02		-	
28	Standard Primary	-	MVARh	$ 2.02		-	-	MVARh	$ 2.02		-	
29	Standard Subtransmission	-	MVARh	$ 2.02		-	-	MVARh	$ 2.02		-	
30	T-O-D Secondary	-	MVARh	$ 2.02		-	-	MVARh	$ 2.02		-	
31	T-O-D Primary	4,865	MVARh	$ 2.02		9,828	4,865	MVARh	$ 2.02		9,828	
32	T-O-D Subtransmission	1,264	MVARh	$ 2.02		2,553	1,264	MVARh	$ 2.02		2,553	
33		6,129				12,381	6,129				12,381	0.0%
34	(1) Not included in Total.											
35												

Continued on Page 11

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule SBF, SBFT

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit	$ Revenue	Proposed Revenue Calculation Units		Charge/Unit	$ Revenue	Percent Increase
1	Continued from Page 14									
2										
3	Power Factor Credit Supplemental & Standby:									
4	Standard Secondary	-	MVARh	$ (1.01)	-	-	MVARh	$ (1.01)	-	
5	Standard Primary	-	MVARh	$ (1.01)	-	-	MVARh	$ (1.01)	-	
6	Standard Subtransmission	-	MVARh	$ (1.01)	-	-	MVARh	$ (1.01)	-	
7	T-O-D Secondary	-	MVARh	$ (1.01)	-	-	MVARh	$ (1.01)	-	
8	T-O-D Primary	6,085	MVARh	$ (1.01)	(6,146)	6,085	MVARh	$ (1.01)	(6,146)	
9	T-O-D Subtransmission	880	MVARh	$ (1.01)	(889)	880	MVARh	$ (1.01)	(889)	
14	Total	6,965	MVARh		(7,035)	6,965	MVARh		(7,035)	0.0%
15										
16	Delivery Voltage Credit - Supplemental.:									
17	Standard Primary	-	kW	$ (0.86)	-	-	kW	$ (0.90)	-	
18	Standard Subtransmission	-	kW	$ (2.66)	-	-	kW	$ (2.78)	-	
19	T-O-D Primary	190,379	kW	$ (0.86)	(163,726)	190,379	kW	$ (0.90)	(171,341)	
20	T-O-D Subtransmission	-	kW	$ (2.66)	-	-	kW	$ (2.78)	-	
21	Delivery Voltage Credit. - Standby.:									
22	T-O-D Primary	88,079	kW	$ (0.63)	(55,302)	88,079	kW	$ (0.63)	(55,302)	
23	T-O-D Subtransmission	213,615	kW	$ (1.97)	(419,859)	213,615	kW	$ (1.97)	(419,859)	
24	Total	492,073	kW		(638,886)	492,073	kW		(646,501)	1.2%
25										
26	Emergency Relay Charge - Supplemental and Standby.									
27	Standard Secondary	-	kW	$ 0.68	-	-	kW	$ 0.71	-	
28	Standard Primary	-	kW	$ 0.68	-	-	kW	$ 0.71	-	
29	Standard Subtransmission	-	kW	$ 0.68	-	-	kW	$ 0.71	-	
30	T-O-D Secondary	-	kW	$ 0.68	-	-	kW	$ 0.71	-	
31	T-O-D Primary	161,916	kW	$ 0.68	110,103	161,916	kW	$ 0.71	114,960	
32	T-O-D Subtransmission	-	kW	$ 0.68	-	-	kW	$ 0.71	-	
33		161,916			110,103	161,916			114,960	4.4%
34										
35										
36										
37										
34										
35										

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule SBF, SBFT

Line No.	Type of Charges	Present Revenue Calculation Units	Charge/Unit	$ Revenue	Proposed Revenue Calculation Units	Charge/Unit	$ Revenue	Percent Increase
1	Continued from Page 15							
2								
3	Metering Voltage Adjustment - Supplemental and Stanby.:							
4	Standard Primary	-	$ -1.0%	-	-	$ -1.0%	-	
5	Standard Subtransmission	-	$ -2.0%	-	-	$ -2.0%	-	
6	T-O-D Primary	4,039,410	$ -1.0%	(40,394)	4,125,834	$ -1.0%	(41,258)	
7	T-O-D Subtransmission	460,446	$ -2.0%	(9,209)	460,446	$ -2.0%	(9,209)	
8	Total	4,499,856	$	(49,603)	4,586,279	$	(50,467)	1.7%
9								
10								
11								
12	Total Base Revenue:			4,506,160			4,591,719	1.9%
13								
14								
15								
16								
17								
18								
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Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule IS, IST

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit	$ Revenue	Proposed Revenue Calculation Units		Charge/Unit	$ Revenue	Percent Increase
1										
2	Basic Service Charge:									
3	Standard Pri.	66	Bills	$ 626.90	41,375	66	Bills	$ 626.90	41,375	
4	Standard Subtrans.	-	Bills	$ 2,390.70	-	-	Bills	$ 2,390.70	-	
5	T-O-D Primary	95	Bills	$ 626.90	59,813	95	Bills	$ 626.90	59,813	
6	T-O-D Subtransmission	85	Bills	$ 2,390.70	202,756	85	Bills	$ 2,390.70	202,756	
7	Total	246	Bills		303,944	246	Bills		303,944	0.0%
8										
9	Energy Charge:									
10	Standard Primary	41,745	MWH	$ 25.24	1,053,468	41,745	MWH	$ 25.24	1,053,468	
11	Standard Subtransmission	-	MWH	$ 25.24	-	-	MWH	$ 25.24	-	
12	T-O-D On-Peak - Pri.	20,539	MWH	$ 25.24	518,318	20,539	MWH	$ 25.24	518,318	
13	T-O-D On-Peak - Subtrans.	51,946	MWH	$ 25.24	1,310,898	51,946	MWH	$ 25.24	1,310,898	
14	T-O-D Off-Peak - Pri.	54,510	MWH	$ 25.24	1,375,602	54,510	MWH	$ 25.24	1,375,602	
15	T-O-D Off-Peak - Subtrans.	163,884	MWH	$ 25.24	4,135,740	163,884	MWH	$ 25.24	4,135,740	
16	Total	332,624	MWH		8,394,026	332,624	MWH		8,394,026	0.0%
17										
18	Demand Charge:									
19	Standard Primary	102,223	kW	$ 3.11	317,914	102,223	kW	$ 4.04	412,981	
20	Standard Subtrans.	-	kW	$ 3.11	-	-	kW	$ 4.04	-	
21	T-O-D Billing - Primary	146,074	kW	$ 3.11	454,290	146,074	kW	$ 4.04	590,139	
22	T-O-D Billing - Subtrans.	599,740	kW	$ 3.11	1,865,191	599,740	kW	$ 4.04	2,422,950	
23	T-O-D Peak - Primary	-	kW (1)	$ -	-	-	kW (1)	$ -	-	
24	T-O-D Peak - Subtrans.	-	kW (1)	$ -	-	-	kW (1)	$ -	-	
25	Total	848,037	kW		2,637,395	848,037	kW		3,426,069	29.9%
26										
27	Power Factor Charge:									
28	Standard Primary	5,505	MVARh	$ 2.02	11,121	5,505	MVARh	$ 2.02	11,121	
29	Standard Subtrans.	-	MVARh	$ 2.02	-	-	MVARh	$ 2.02	-	
30	T-O-D Primary	6,708	MVARh	$ 2.02	13,551	6,708	MVARh	$ 2.02	13,551	
31	T-O-D Subtransmission	11,474	MVARh	$ 2.02	23,178	11,474	MVARh	$ 2.02	23,178	
32	Total	23,687	MVARh		47,850	23,687	MVARh		47,850	0.0%
33										
34	(1) Not included in Total.									
35										

Continued on Page 14

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule IS, IST

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit	$ Revenue	Proposed Revenue Calculation Units		Charge/Unit	$ Revenue	Percent Increase
1	Continued from Page 17									
2										
3	Power Factor Credit:									
4	Standard Primary	3,426	MVARh	$ (1.01)	(3,460)	3,426	MVARh	$ (1.01)	(3,460)	
5	Standard Subtrans.	-	MVARh	$ (1.01)	-	-	MVARh	$ (1.01)	-	
6	T-O-D Primary	3,036	MVARh	$ (1.01)	(3,066)	3,036	MVARh	$ (1.01)	(3,066)	
7	T-O-D Subtransmission	650	MVARh	$ (1.01)	(657)	650	MVARh	$ (1.01)	(657)	
8	Total	7,112	MVARh		(7,183)	7,112	MVARh		(7,183)	0.0%
9										
10	Emergency Relay Service									
11	Standard Primary	-	kW	$ 1.22	-	-	kW	$ 1.58	-	
12	Standard Subtrans.	-	kW	$ 1.22	-	-	kW	$ 1.58	-	
13	T-O-D Primary	-	kW	$ 1.22	-	-	kW	$ 1.58	-	
14	T-O-D Subtransmission	-	kW	$ 1.22	-	-	kW	$ 1.58	-	
15	Total	-	kW		-	-	kW		-	0.0%
16										
17	Delivery Voltage Credit:									
18	Standard Primary	102,223	kW	$ (0.85)	(86,890)	102,223	kW	$ (1.10)	(112,445)	
19	Standard Subtrans.	-	kW	$ (0.85)	-	-	kW	$ (1.10)	-	
20	T-O-D Primary	138,468	kW	$ (0.85)	(117,698)	138,468	kW	$ (1.10)	(152,315)	
21	T-O-D Subtransmission	607,346	kW	$ (0.85)	(516,244)	607,346	kW	$ (1.10)	(668,081)	
22	Total	848,037	kW		(720,831)	848,037	kW		(932,841)	29.4%
23										
24	Metering Voltage Adjustment:									
25	Standard Primary	1,292,152	$	0%	-	1,361,663	$	0%	-	
26	Standard Subtrans.	-	$	-1%	-	-	$	-1%	-	
27	T-O-D Primary	2,240,997	$	0%	-	2,342,228	$	0%	-	
28	T-O-D Subtransmission	6,818,107	$	-1%	(68,181)	7,224,029	$	-1%	(72,240)	
29	Total	10,351,256	$		(68,181)	10,927,921	$		(72,240)	6.0%
30										
31										
32										
33	Total Base Revenue:				10,587,018				11,159,624	5.4%
34										
35										

Supporting Schedules:

Recap Schedules: E-13a

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019____-EI
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FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule SBI

Line No.	Type of Charges	Present Revenue Calculation Units		Present Charge/Unit		Present $ Revenue	Proposed Revenue Calculation Units		Proposed Charge/Unit		Proposed $ Revenue	Percent Increase
1												
2	Basic Service Charge:											
3	T-O-D Primary	0	Bills	$ 652		-	0	Bills	$ 652.10		-	
4	T-O-D Subtransmission	45	Bills	$ 2,416		108,716	45	Bills	$ 2,415.90		108,716	
5	Total	45	Bills			108,716	45	Bills			108,716	0.0%
6												
7	Energy Charge - Supplemental:											
8	T-O-D On-Peak - Pri.	-	MWH	$ 25.24		-	-	MWH	$ 25.24		-	
9	T-O-D On-Peak - Subtrans.	21,251	MWH	$ 25.24		536,286	21,251	MWH	$ 25.24		536,286	
10	T-O-D Off-Peak - Pri.	-	MWH	$ 25.24		-	-	MWH	$ 25.24		-	
11	T-O-D Off-Peak - Subtrans.	69,333	MWH	$ 25.24		1,749,672	69,333	MWH	$ 25.24		1,749,672	
12	Energy Charge - Standby:											
13	T-O-D On-Peak - Pri.	-	MWH	$ 10.14		-	-	MWH	$ 10.14		-	
14	T-O-D On-Peak - Subtrans.	54,941	MWH	$ 10.14		557,291	54,941	MWH	$ 10.14		557,291	
15	T-O-D Off-Peak - Pri.	-	MWH	$ 10.14		-	-	MWH	$ 10.14		-	
16	T-O-D Off-Peak - Subtrans.	171,275	MWH	$ 10.14		1,737,317	171,275	MWH	$ 10.14		1,737,317	
17	Total	316,800	MWH			4,580,565	316,800	MWH			4,580,565	0.0%
18												
19	Demand Charge - Supplemental:											
20	T-O-D Billing - Primary	-	kW	$ 3.11	kW	-	-	kW	$ 4.04	kW	-	
21	T-O-D Billing - Subtrans.	165,489	kW	$ 3.11	kW	514,671	165,489	kW	$ 4.04	kW	668,576	
22	T-O-D Peak - Primary	-	kW (1)	$ -	kW	-	-	kW (1)	$ -	kW	-	
23	T-O-D Peak - Subtrans.	179,356	kW (1)	$ -	kW	-	179,356	kW (1)	$ -	kW	-	
24	Demand Charge - Standby:											
25	T-O-D Facilities Reservation - Pri.	-	kW	$ 1.46	kW	-	-	kW	$ 1.46	kW	-	
26	T-O-D Facilities Res. - Subtrans.	2,237,967	kW	$ 1.46	kW	3,267,432	2,237,967	kW	$ 1.46	kW	3,267,432	
27	T-O-D Bulk Trans. Res. - Pri.	-	kW (1)	$ 1.21	kW-mo.	-	-	kW (1)	$ 1.21	kW-mo.	-	
28	T-O-D Bulk Trans. Res. - Subtrans.	280,290	kW (1)	$ 1.21	kW-mo.	339,151	280,290	kW (1)	$ 1.21	kW-mo.	339,151	
29	T-O-D Bulk Trans. Dmd. - Pri.	-	kW (1)	$ 0.48	kW-day	-	-	kW (1)	$ 0.48	kW-day	-	
30	T-O-D Bulk Trans Dmd. - Subtrans.	11,849,122	kW (1)	$ 0.48	kW-day	5,687,578	11,849,122	kW (1)	$ 0.48	kW-day	5,687,578	
31	Total	2,403,456	kW			9,808,832	2,403,456	kW			9,962,737	1.6%
32												
33												
34	(1) Not included in Total.											
35												

Continued on Page 16

Supporting Schedules:

Recap Schedules: E-13a

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019____-EI
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FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule SBI

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit	$ Revenue	Proposed Revenue Calculation Units		Charge/Unit	$ Revenue	Percent Increase
1	Continued from Page 19									
2										
3	Power Factor Charge Supplemental & Standby:									
4	T-O-D Primary	-	MVARh	$ 2.02	-	-	MVARh	$ 2.02	-	
5	T-O-D Subtransmission	79,013	MVARh	$ 2.02	159,613	79,013	MVARh	$ 2.02	159,613	
6	Total	79,013	MVARh		159,613	79,013	MVARh		159,613	0.0%
7										
8	Power Factor Credit Supplemental & Standby:									
9	T-O-D Primary	-	MVARh	$ (1.01)	-	-	MVARh	$ (1.01)	-	
10	T-O-D Subtransmission	44,770	MVARh	$ (1.01)	(45,220)	44,770	MVARh	$ (1.01)	(45,220)	
11	Total	44,770	MVARh		(45,220)	44,770	MVARh		(45,220)	0.0%
12										
13	Emergency Relay Charge - Supp.									
14	T-O-D Primary	-	kW	$ 1.22	-	-	kW	$ 1.58	-	
15	T-O-D Subtransmission	-	kW	$ 1.22	-	-	kW	$ 1.58	-	
16	Total	-	kW		-	-	kW		-	0.0%
17										
18	Delivery Voltage Credit - Supplemental.:									
19	T-O-D Primary	-	kW	$ -	-	-	kW	$ -	-	
20	T-O-D Subtransmission	165,489	kW	$ (0.85)	(140,666)	165,489	kW	$ (1.10)	(182,038)	
21	Delivery Voltage Credit. - Standby.:									
22	T-O-D Primary	-	kW	$ -	-	-	kW	$ -	-	
23	T-O-D Subtransmission	2,237,967	kW	$ (0.34)	(753,482)	2,237,967	kW	$ (0.34)	(753,482)	
24	Total	2,403,456	kW		(894,148)	2,403,456	kW		(935,520)	4.6%
25										
26	Metering Voltage Adjustment - Supplemental and Stanby.:									
27	T-O-D Primary	-	$	0.0%	-	-	$	0.0%	-	
28	T-O-D Subtransmission	13,609,644	$	-1.0%	(136,096)	13,722,176	$	-1.0%	(137,222)	
29	Total	13,609,644	$		(136,096)	13,722,176	$		(137,222)	0.8%
30										
31										
32										
33	Total Base Revenue:				13,582,263				13,693,670	0.8%
34										
35										

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 130040-EI

EXPLANATION: By rate schedule, calculate revenues under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, show revenues separately for the transfer group. Correction factors are used for historic test years only. The total base revenue by class must equal that shown in Schedule E-13a. The billing units must equal those shown in Schedule E-15.
PROVIDE TOTAL NUMBER OF BILLS, MWH's, AND BILLING kW FOR EACH RATE SCHEDULE (INCLUDING STANDARD AND TIME OF USE CUSTOMERS) AND TRANSFER GROUP.

Type of data shown:
XX Projected Test year Ended 12/31/2020

Rate Schedule LS-1 (Energy Service)

Line No.	Type of Charges	Present Revenue Calculation Units		Charge/Unit	$ Revenue	Proposed Revenue Calculation Units		Charge/Unit	$ Revenue	Percent Increase
1										
2	Basic Service Charge:	2,893	Bills	$ 10.57	30,582	2,893	Bills	$ 10.57	30,582	0.0%
3										
4	Energy Charge	154,170	MWH	$ 25.09	3,868,125	154,170	MWH	$ 25.22	3,888,167	0.5%
5										
6										
7	Total Base Revenue:				3,898,707				3,918,749	0.5%
8										
9										
10										
11										
12										
13										
14										
15										
16										
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33										
34										
35										

Supporting Schedules: E-13d

Recap Schedules: E-13a

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
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Rollup Base Revenue by Rate Class for Third SoBRA

SCHEDULE E-13a | REVENUE FROM SALE OF ELECTRICITY BY RATE SCHEDULE | Page 1 of 1

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

EXPLANATION: Compare jurisdictional revenue excluding service charges by rate schedule under present and proposed rates for the test year. If any customers are to be transferred from one schedule to another, the revenue and billing determinant information shall be shown separately for the transfer group and not be included under either the new or old classification.

Type of data shown:
XX Projected Year Ended 12/31/2020

($000)

12CP & 1/13 - all demand

Line No.	Rate	(1) Base Revenue at Present Rates	(2) Base Revenue Under Proposed Rates	Increase (3) Dollars (2) - (1)	Increase (4) Percent (3) / (1)
1	RS, RSVP-1	649,680	664,535	14,855	2.3%
2	GS, GST	67,067	68,578	1,510	2.3%
3	CS	1,721	1,746	25	1.5%
4	GSD, GSDT	306,351	314,764	8,413	2.7%
5	GSD Optional	34,044	34,996	952	2.8%
6	SBF, SBFT	4,506	4,592	86	1.9%
7	IS, IST	10,587	11,160	573	5.4%
8	SBI	13,582	13,694	111	0.8%
9	LS-1 (Energy Service)	3,899	3,919	20	0.5%
10	LS-1 (Facilities)	43,545	43,545	-	0.0%
11					
12					
13	TOTAL	$ 1,134,982	$ 1,161,527	$ 26,545	2.3%
14					
15					
16					
17					
18					
19					
20					
21					
22	Summary by Rate Class				
23	RS	649,680	664,535	14,855	2.3%
24					
25	GS	68,788	70,324	1,536	2.2%
26					
27	GSD	344,901	354,351	9,451	2.7%
28					
29	IS	24,169	24,853	684	2.8%
30					
31	Lighting	47,444	47,464	20	0.0%
32					
33	TOTAL	1,134,982	1,161,527	26,545	2.3%
34					
35					
36					

Supporting Schedules: E-13c, E-13d

Recap Schedules:

TAMPA ELECTRIC COMPANY
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TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
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Typical Bills Reflecting

Third SoBRA Base Revenue Increase

SCHEDULE A-2 | FULL REVENUE REQUIREMENTS BILL COMPARISON - TYPICAL MONTHLY BILLS | Page 1 of 4

FLORIDA PUBLIC SERVICE COMMISSION | EXPLANATION: For each rate, calculate typical monthly bills for present rates and proposed rates. | Type of data shown: XX Projected Test year Ended 12/31/2020

COMPANY: TAMPA ELECTRIC COMPANY

RS - RESIDENTIAL SERVICE

Line No.	RATE SCHEDULE RS (1) TYPICAL KW	(2) KWH	BILL UNDER PRESENT RATES (3) BASE RATE	(4) FUEL CHARGE	(5) ECCR CHARGE	(6) CAPACITY CHARGE	(7) ECRC CHARGE	(8) GRT CHARGE	(9) TOTAL	BILL UNDER PROPOSED RATES (10) BASE RATE	(11) FUEL CHARGE	(12) ECCR CHARGE	(13) CAPACITY CHARGE	(14) ECRC CHARGE	(15) GRT CHARGE	(16) TOTAL	INCREASE (17) DOLLARS (16)-(9)	(18) PERCENT (17)/(9)	COSTS IN CENTS/KWH (19) PRESENT (9)/(2)*100	(20) PROPOSED (16)/(2)*100
1	0	-	$ 15.12	$ -	$ -	$ -	$ -	$ 0.39	$ 15.51	$ 15.12	$ -	$ -	$ -	$ -	$ 0.39	$ 15.51	$ -	0.0%	-	-
2																				
3	0	100	$ 20.26	$ 2.91	$ 0.32	$ (0.01)	$ 0.22	$ 0.61	$ 24.31	$ 20.42	$ 2.86	$ 0.32	$ (0.01)	$ 0.22	$ 0.61	$ 24.41	$ 0.10	0.4%	24.31	24.41
4																				
5	0	250	$ 27.97	$ 7.28	$ 0.80	$ (0.03)	$ 0.56	$ 0.94	$ 37.53	$ 28.36	$ 7.14	$ 0.80	$ (0.03)	$ 0.56	$ 0.94	$ 37.78	$ 0.25	0.7%	15.01	15.11
6																				
7	0	500	$ 40.83	$ 14.57	$ 1.61	$ (0.05)	$ 1.11	$ 1.49	$ 59.55	$ 41.60	$ 14.28	$ 1.61	$ (0.05)	$ 1.11	$ 1.50	$ 60.04	$ 0.50	0.8%	11.91	12.01
8																				
9	0	750	$ 53.68	$ 21.85	$ 2.41	$ (0.08)	$ 1.67	$ 2.04	$ 81.56	$ 54.84	$ 21.41	$ 2.41	$ (0.08)	$ 1.67	$ 2.06	$ 82.31	$ 0.75	0.9%	10.88	10.97
10																				
11	0	1,000	$ 66.53	$ 29.13	$ 3.21	$ (0.10)	$ 2.22	$ 2.59	$ 103.58	$ 68.08	$ 28.55	$ 3.21	$ (0.10)	$ 2.22	$ 2.61	$ 104.58	$ 0.99	1.0%	10.36	10.46
12																				
13	0	1,250	$ 81.89	$ 38.91	$ 4.01	$ (0.13)	$ 2.78	$ 3.27	$ 130.73	$ 83.82	$ 38.19	$ 4.01	$ (0.13)	$ 2.78	$ 3.30	$ 131.97	$ 1.24	1.0%	10.46	10.56
14																				
15	0	1,500	$ 97.24	$ 48.70	$ 4.82	$ (0.15)	$ 3.33	$ 3.95	$ 157.88	$ 99.57	$ 47.83	$ 4.82	$ (0.15)	$ 3.33	$ 3.98	$ 159.37	$ 1.49	0.9%	10.53	10.62
16																				
17	0	2,000	$ 127.95	$ 68.26	$ 6.42	$ (0.20)	$ 4.44	$ 5.30	$ 212.17	$ 131.05	$ 67.10	$ 6.42	$ (0.20)	$ 4.44	$ 5.35	$ 214.16	$ 1.99	0.9%	10.61	10.71
18																				
19	0	3,000	$ 189.36	$ 107.39	$ 9.63	$ (0.30)	$ 6.66	$ 8.02	$ 320.76	$ 194.01	$ 105.65	$ 9.63	$ (0.30)	$ 6.66	$ 8.09	$ 323.75	$ 2.98	0.9%	10.69	10.79
20																				
21	0	5,000	$ 312.19	$ 185.65	$ 16.05	$ (0.50)	$ 11.10	$ 13.45	$ 537.94	$ 319.94	$ 182.75	$ 16.05	$ (0.50)	$ 11.10	$ 13.57	$ 542.91	$ 4.97	0.9%	10.76	10.86
22																				
23																				

		PRESENT		PROPOSED	
24					
25	CUSTOMER CHARGE	15.12	$/Bill	15.12	$/Bill
26	DEMAND CHARGE	-	$/KW	-	$/KW
27	ENERGY CHARGE				
28	0 - 1,000 KWH	5.141	¢/kWH	5.296	¢/kWH
29	Over 1,000 KWH	6.141	¢/kWH	6.296	¢/kWH
30	FUEL CHARGE				
31	0 - 1,000 KWH	2.913	¢/kWH	2.855	¢/kWH
32	Over 1,000 KWH	3.913	¢/kWH	3.855	¢/kWH
33	CONSERVATION CHARGE	0.321	¢/kWH	0.321	¢/kWH
34	CAPACITY CHARGE	(0.010)	¢/kWH	(0.010)	¢/kWH
35	ENVIRONMENTAL CHARGE	0.222	¢/kWH	0.222	¢/kWH
36	Notes:				
37	A. Current base rates are as of January 01, 2019.				
38	B. Current and Proposed clause rates are as of April 01, 2019.				
39	C. Proposed fuel rates are projected 2020 rates.				

Supporting Schedules: E-13c, E-14 Supplement | Recap Schedules:

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019____-EI
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FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: For each rate, calculate typical monthly bills for present rates and proposed rates.

Type of data shown:
XX Projected Test year Ended 12/31/2020

COMPANY: TAMPA ELECTRIC COMPANY

GS - GENERAL SERVICE NON-DEMAND

Line No.	RATE SCHEDULE GS (1) TYPICAL KW	(2) KWH	BILL UNDER PRESENT RATES (3) BASE RATE	(4) FUEL CHARGE	(5) ECCR CHARGE	(6) CAPACITY CHARGE	(7) ECRC CHARGE	(8) GRT CHARGE	(9) TOTAL	BILL UNDER PROPOSED RATES (10) BASE RATE	(11) FUEL CHARGE	(12) ECCR CHARGE	(13) CAPACITY CHARGE	(14) ECRC CHARGE	(15) GRT CHARGE	(16) TOTAL	INCREASE (17) DOLLARS (16)-(9)	(18) PERCENT (17)/(9)	COSTS IN CENTS/KWH (19) PRESENT (9)/(2)*100	(20) PROPOSED (16)/(2)*100
1	0	-	$ 18.14	$ -	$ -	$ -	$ -	$ 0.47	$ 18.61	$ 18.14	$ -	$ -	$ -	$ -	$ 0.47	$ 18.61	$ -	0.0%	-	-
2																				
3	0	100	$ 23.55	$ 3.23	$ 0.29	$ (0.01)	$ 0.22	$ 0.70	$ 27.98	$ 23.71	$ 3.17	$ 0.29	$ (0.01)	$ 0.22	$ 0.70	$ 28.08	$ 0.10	0.4%	27.98	28.08
4																				
5	0	250	$ 31.67	$ 8.07	$ 0.73	$ (0.02)	$ 0.55	$ 1.05	$ 42.05	$ 32.06	$ 7.92	$ 0.73	$ (0.02)	$ 0.55	$ 1.06	$ 42.30	$ 0.25	0.6%	16.82	16.92
6																				
7	0	500	$ 45.20	$ 16.14	$ 1.46	$ (0.05)	$ 1.11	$ 1.64	$ 65.49	$ 45.98	$ 15.85	$ 1.46	$ (0.05)	$ 1.11	$ 1.65	$ 65.99	$ 0.50	0.8%	13.10	13.20
8																				
9	0	750	$ 58.73	$ 24.20	$ 2.19	$ (0.07)	$ 1.66	$ 2.22	$ 88.93	$ 59.90	$ 23.77	$ 2.19	$ (0.07)	$ 1.66	$ 2.24	$ 89.69	$ 0.75	0.8%	11.86	11.96
10																				
11	0	1,000	$ 72.26	$ 32.27	$ 2.92	$ (0.09)	$ 2.21	$ 2.81	$ 112.38	$ 73.81	$ 31.69	$ 2.92	$ (0.09)	$ 2.21	$ 2.83	$ 113.38	$ 1.00	0.9%	11.24	11.34
12																				
13	0	1,250	$ 85.79	$ 40.34	$ 3.65	$ (0.11)	$ 2.76	$ 3.40	$ 135.82	$ 87.73	$ 39.61	$ 3.65	$ (0.11)	$ 2.76	$ 3.43	$ 137.07	$ 1.25	0.9%	10.87	10.97
14																				
15	0	1,500	$ 99.32	$ 48.41	$ 4.38	$ (0.14)	$ 3.32	$ 3.98	$ 159.26	$ 101.65	$ 47.54	$ 4.38	$ (0.14)	$ 3.32	$ 4.02	$ 160.77	$ 1.50	0.9%	10.62	10.72
16																				
17	0	2,000	$ 126.38	$ 64.54	$ 5.84	$ (0.18)	$ 4.42	$ 5.15	$ 206.15	$ 129.49	$ 63.38	$ 5.84	$ (0.18)	$ 4.42	$ 5.20	$ 208.15	$ 2.00	1.0%	10.31	10.41
18																				
19	0	3,000	$ 180.50	$ 96.81	$ 8.76	$ (0.27)	$ 6.63	$ 7.50	$ 299.92	$ 185.16	$ 95.07	$ 8.76	$ (0.27)	$ 6.63	$ 7.57	$ 302.93	$ 3.00	1.0%	10.00	10.10
20																				
21	0	5,000	$ 288.73	$ 161.35	$ 14.60	$ (0.45)	$ 11.05	$ 12.19	$ 487.47	$ 296.51	$ 158.45	$ 14.60	$ (0.45)	$ 11.05	$ 12.31	$ 492.48	$ 5.01	1.0%	9.75	9.85
22																				
23	0	8,500	$ 478.15	$ 274.30	$ 24.82	$ (0.77)	$ 18.79	$ 20.39	$ 815.67	$ 491.38	$ 269.37	$ 24.82	$ (0.77)	$ 18.79	$ 20.60	$ 824.19	$ 8.51	1.0%	9.60	9.70

	PRESENT		PROPOSED	
CUSTOMER CHARGE	18.14	$/Bill	18.14	$/Bill
ENERGY CHARGE	5.412	¢/kWH	5.568	¢/kWH
FUEL CHARGE	3.227	¢/kWH	3.169	¢/kWH
CONSERVATION CHARGE	0.292	¢/kWH	0.292	¢/kWH
CAPACITY CHARGE	(0.009)	¢/kWH	(0.009)	¢/kWH
ENVIRONMENTAL CHARGE	0.221	¢/kWH	0.221	¢/kWH

Notes:

A. Current base rates are as of January 01, 2019.
B. Current and Proposed clause rates are as of April 01, 2019.
C. Proposed fuel rates are projected 2020 rates.

Supporting Schedules: E-13c, E-14 Supplement

Recap Schedules:

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019____-EI
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FLORIDA PUBLIC SERVICE COMMISSION | EXPLANATION: For each rate, calculate typical monthly bills for present rates and proposed rates. | Type of data shown:

XX Projected Test year Ended 12/31/2020

COMPANY: TAMPA ELECTRIC COMPANY

GSD - GENERAL SERVICE DEMAND

RATE SCHEDULE GSD

Line No.	(1) TYPICAL KW	(2) TYPICAL KWH	BILL UNDER PRESENT RATES (3) BASE RATE	(4) FUEL CHARGE	(5) ECCR CHARGE	(6) CAPACITY CHARGE	(7) ECRC CHARGE	(8) GRT CHARGE	(9) TOTAL	BILL UNDER PROPOSED RATES (10) BASE RATE	(11) FUEL CHARGE	(12) ECCR CHARGE	(13) CAPACITY CHARGE	(14) ECRC CHARGE	(15) GRT CHARGE	(16) TOTAL	INCREASE (17) DOLLARS (16)-(9)	(18) PERCENT (17)/(9)	COSTS IN CENTS/KWH (19) PRESENT (9)/(2)*100	(20) PROPOSED (16)/(2)*100
1	75	10,950	$ 741.33	$ 353.36	$ 29.78	$ (0.77)	$ 24.09	$ 29.43	$ 1,177.23	$ 761.81	$ 347.01	$ 29.78	$ (0.77)	$ 24.09	$ 29.79	$ 1,191.71	$ 14.49	1.2%	10.75	10.88
2	75	19,163	$ 1,130.26	$ 618.37	$ 87.75	$ (2.25)	$ 42.16	$ 48.11	$ 1,924.40	$ 1,167.01	$ 607.26	$ 87.75	$ (2.25)	$ 42.16	$ 48.77	$ 1,950.69	$ 26.29	1.4%	10.04	10.18
3	75	32,850	$ 1,348.66	$ 1,060.07	$ 87.75	$ (2.25)	$ 72.27	$ 65.81	$ 2,632.31	$ 1,385.41	$ 1,041.02	$ 87.75	$ (2.25)	$ 72.27	$ 66.26	$ 2,650.46	$ 18.15	0.7%	8.01	8.07
4	75	49,275	$ 1,568.73	$ 1,583.94	$ 87.75	$ (2.25)	$ 108.41	$ 85.81	$ 3,432.39	$ 1,604.49	$ 1,555.37	$ 87.75	$ (2.25)	$ 108.41	$ 85.99	$ 3,439.75	$ 7.36	0.2%	6.97	6.98
5																				
6	500	73,000	$ 4,770.86	$ 2,355.71	$ 198.56	$ (5.11)	$ 160.60	$ 191.81	$ 7,672.43	$ 4,907.37	$ 2,313.37	$ 198.56	$ (5.11)	$ 160.60	$ 194.23	$ 7,769.01	$ 96.58	1.3%	10.51	10.64
7	500	127,750	$ 7,363.69	$ 4,122.49	$ 585.00	$ (15.00)	$ 281.05	$ 316.34	$ 12,653.57	$ 7,608.69	$ 4,048.40	$ 585.00	$ (15.00)	$ 281.05	$ 320.72	$ 12,828.86	$ 175.29	1.4%	9.90	10.04
8	500	219,000	$ 8,819.73	$ 7,067.13	$ 585.00	$ (15.00)	$ 481.80	$ 434.32	$ 17,372.98	$ 9,064.73	$ 6,940.11	$ 585.00	$ (15.00)	$ 481.80	$ 437.35	$ 17,493.99	$ 121.01	0.7%	7.93	7.99
9	500	328,500	$ 10,286.82	$ 10,559.63	$ 585.00	$ (15.00)	$ 722.70	$ 567.67	$ 22,706.83	$ 10,525.22	$ 10,369.10	$ 585.00	$ (15.00)	$ 722.70	$ 568.90	$ 22,755.92	$ 49.10	0.2%	6.91	6.93
10																				
11	2000	292,000	$ 18,992.72	$ 9,422.84	$ 794.24	$ (20.44)	$ 642.40	$ 764.92	$ 30,596.68	$ 19,538.76	$ 9,253.48	$ 794.24	$ (20.44)	$ 642.40	$ 774.57	$ 30,983.01	$ 386.34	1.3%	10.48	10.61
12	2000	511,000	$ 29,364.05	$ 16,489.97	$ 2,340.00	$ (60.00)	$ 1,124.20	$ 1,263.03	$ 50,521.25	$ 30,344.05	$ 16,193.59	$ 2,340.00	$ (60.00)	$ 1,124.20	$ 1,280.56	$ 51,222.40	$ 701.15	1.4%	9.89	10.02
13	2000	876,000	$ 35,188.20	$ 28,268.52	$ 2,340.00	$ (60.00)	$ 1,927.20	$ 1,734.97	$ 69,398.90	$ 36,168.20	$ 27,760.44	$ 2,340.00	$ (60.00)	$ 1,927.20	$ 1,747.07	$ 69,882.92	$ 484.02	0.7%	7.92	7.98
14	2000	1,314,000	$ 41,056.58	$ 42,238.53	$ 2,340.00	$ (60.00)	$ 2,890.80	$ 2,268.35	$ 90,734.26	$ 42,010.18	$ 41,476.41	$ 2,340.00	$ (60.00)	$ 2,890.80	$ 2,273.26	$ 90,930.65	$ 196.39	0.2%	6.91	6.92

	PRESENT GSD	PRESENT GSDT		PRESENT GSD OPT.		PROPOSED GSD	PROPOSED GSDT		PROPOSED GSD OPT.	
CUSTOMER CHARGE	30.24	30.24	$/Bill	30.24	$/Bill	30.24	30.24		30.24	$/Bill
DEMAND CHARGE	10.59	-	$/KW	-	$/KW	11.08	-	$/KW	-	$/KW
BILLING	-	3.57	$/KW	-	$/KW	-	3.73	$/KW	-	$/KW
PEAK	-	7.02	$/KW	-	$/KW	-	7.34	$/KW	-	$/KW
ENERGY CHARGE	1.596	-	¢/KWH	6.494	¢/KWH	1.596	-	¢/KWH	6.681	¢/KWH
ON-PEAK	-	2.921	¢/KWH	-	¢/KWH	-	2.921	¢/KWH	-	¢/KWH
OFF-PEAK	-	1.054	¢/KWH	-	¢/KWH	-	1.054	¢/KWH	-	¢/KWH
FUEL CHARGE	3.227	-	¢/KWH	3.227	¢/KWH	3.169	-	¢/KWH	3.169	¢/KWH
ON-PEAK		3.411	¢/KWH	-	¢/KWH		3.350	¢/KWH	-	¢/KWH
OFF-PEAK		3.149	¢/KWH	-	¢/KWH		3.092	¢/KWH	-	¢/KWH
CONSERVATION CHARGE	1.17	1.17	$/KW	0.272	¢/KWH	1.17	1.17	$/KW	0.272	¢/KWH
CAPACITY CHARGE	(0.03)	(0.03)	$/KW	(0.007)	¢/KWH	(0.03)	(0.03)	$/KW	(0.007)	¢/KWH
ENVIRONMENTAL CHARGE	0.220	0.220	¢/KWH	0.220	¢/KWH	0.220	0.220	¢/KWH	0.220	¢/KWH

Notes:

A. The kWh for each kW group is based on 20, 35, 60, and 90% load factors (LF).

B. Charges at 20% LF are based on the GSD Option rate; 35% and 60% LF charges are based on the standard rate; and 90% LF charges are based on the TOD rate.

C. All calculations assume meter and service at secondary voltage.

D. TOD energy charges assume 25/75 on/off-peak % for 90% LF. Peak demand to billing demand ratios are assumed to be 99% at 90% LF.

E. Current base rates are as of January 01, 2019

F. Current and proposed clause rates are as of April 01, 2019

G. Proposed fuel rate is projected 2020 rate.

Supporting Schedules: E-13c, E-14 Supplement

Recap Schedules:

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019____-EI
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FLORIDA PUBLIC SERVICE COMMISSION

EXPLANATION: For each rate, calculate typical monthly bills for present rates and proposed rates.

Type of data shown:
XX Projected Test year Ended 12/31/2020

COMPANY: TAMPA ELECTRIC COMPANY

IS - INTERRUPTIBLE SERVICE

RATE SCHEDULE IS-1

Line No.	(1) TYPICAL KW	(2) TYPICAL KWH	BILL UNDER PRESENT RATES (3) BASE RATE	(4) CCV CREDIT	(5) FUEL CHARGE	(6) ECCR CHARGE	(7) CAPACITY CHARGE	(8) ECRC CHARGE	(9) GRT CHARGE	(10) TOTAL	BILL UNDER PROPOSED RATES (11) BASE RATE	(12) CCV CREDIT	(13) FUEL CHARGE	(14) ECCR CHARGE	(15) CAPACITY CHARGE	(16) ECRC CHARGE	(17) GRT CHARGE	(18) TOTAL	INCREASE (19) DOLLARS (16)-(9)	(20) PERCENT (17)/(9)	COSTS IN CENTS/KWH (21) PRESENT (9)/(2)*100	(22) FINAL (16)/(2)*100
1	500	127,750	$ 5,406	$ (1,772.75)	$ 4,081.61	$ 465.00	$ (15.00)	$ 273.39	$ 216	$ 8,654	$ 5,871	$ (1,772.75)	$ 4,008.80	$ 465.00	$ (15.00)	$ 273.39	$ 226.42	$ 9,056.62	$ 402	4.6%	6.77	7.09
2	500	219,000	$ 7,709	$ (3,039.00)	$ 6,997.05	$ 465.00	$ (15.00)	$ 468.66	$ 323	$ 12,908	$ 8,174	$ (3,039.00)	$ 6,872.22	$ 465.00	$ (15.00)	$ 468.66	$ 331.42	$ 13,256.84	$ 349	2.7%	5.89	6.05
3	500	328,500	$ 10,472	$ (4,558.50)	$ 10,455.33	$ 465.00	$ (15.00)	$ 702.99	$ 449	$ 17,971	$ 10,937	$ (4,558.50)	$ 10,268.09	$ 465.00	$ (15.00)	$ 702.99	$ 456.40	$ 18,255.83	$ 285	1.6%	5.47	5.56
4																						
5	1,000	255,500	$ 10,185	$ (3,545.50)	$ 8,163.23	$ 930.00	$ (30.00)	$ 546.77	$ 417	$ 16,666	$ 11,115	$ (3,545.50)	$ 8,017.59	$ 930.00	$ (30.00)	$ 546.77	$ 436.76	$ 17,470.26	$ 804	4.8%	6.52	6.84
6	1,000	438,000	$ 14,790	$ (6,078.00)	$ 13,994.10	$ 930.00	$ (30.00)	$ 937.32	$ 629	$ 25,173	$ 15,720	$ (6,078.00)	$ 13,744.44	$ 930.00	$ (30.00)	$ 937.32	$ 646.77	$ 25,870.70	$ 698	2.8%	5.75	5.91
7	1,000	657,000	$ 20,317	$ (9,117.00)	$ 20,910.67	$ 930.00	$ (30.00)	$ 1,405.98	$ 882	$ 35,299	$ 21,247	$ (9,117.00)	$ 20,536.18	$ 930.00	$ (30.00)	$ 1,405.98	$ 896.72	$ 35,868.68	$ 570	1.6%	5.37	5.46
8																						
9	5,000	1,277,500	$ 48,416	$ (17,727.50)	$ 40,816.13	$ 4,650.00	$ (150.00)	$ 2,733.85	$ 2,019	$ 80,757	$ 53,066	$ (17,727.50)	$ 40,087.95	$ 4,650.00	$ (150.00)	$ 2,733.85	$ 2,119.48	$ 84,779.39	$ 4,022	5.0%	6.32	6.64
10	5,000	2,190,000	$ 71,443	$ (30,390.00)	$ 69,970.50	$ 4,650.00	$ (150.00)	$ 4,686.60	$ 3,082	$ 123,293	$ 76,093	$ (30,390.00)	$ 68,722.20	$ 4,650.00	$ (150.00)	$ 4,686.60	$ 3,169.54	$ 126,781.59	$ 3,489	2.8%	5.63	5.79
11	5,000	3,285,000	$ 99,076	$ (45,585.00)	$ 104,553.34	$ 4,650.00	$ (150.00)	$ 7,029.90	$ 4,348	$ 173,923	$ 103,726	$ (45,585.00)	$ 102,680.89	$ 4,650.00	$ (150.00)	$ 7,029.90	$ 4,419.28	$ 176,771.51	$ 2,849	1.6%	5.29	5.38
12																						

Line No.		PRESENT IS	PRESENT IST		PROPOSED IS	PROPOSED IST	
13							
14							
15	CUSTOMER CHARGE	626.90	626.90	$/Bill	626.90	626.90	$/Bill
16	DEMAND CHARGE	3.11	3.11	$/KW	4.04	4.04	$/KW
17	PEAK DEMAND CHARGE	-	-	$/KW	-	-	$/KW
	ENERGY CHARGE	2.524	-	¢/kWH	2.524	-	¢/kWH
18	ON-PEAK ENERGY CHARGE	-	2.524	¢/kWH	-	2.524	¢/kWH
19	OFF-PEAK ENERGY CHARGE	-	2.524	¢/kWH	-	2.524	¢/kWH
20	DELIVERY VOLTAGE CREDIT	-	-	$/KW	-	-	$/KW
21	FUEL CHARGE	3.195	-	¢/kWH	3.138	-	¢/kWH
22	ON-PEAK	-	3.377	¢/kWH	-	3.317	¢/kWH
23	OFF-PEAK	-	3.118	¢/kWH	-	3.062	¢/kWH
24	CONSERVATION CHARGE	0.93	0.93	$/KW	0.93	0.93	$/KW
25	CAPACITY CHARGE	(0.03)	(0.03)	$/KW	(0.03)	(0.03)	$/KW
26	ENVIRONMENTAL CHARGE	0.214	0.214	¢/kWH	0.214	0.214	¢/kWH
27							
28	GSLM-2 CONTRACT CREDIT VALUE	(10.13)	(10.13)	$/kW	(10.13)	(10.13)	$/kW
29							

30 Notes:
31 A. The kWh for each kW group is based on 35, 60, and 90% load factors (LF).
32 B. Charges at 35% and 60% LF are based on standard rates and charges at 90% LF are based on TOD rates. Peak demand to billing demand ratios are assumed to be 99% at 90% LF.
33 C. Calculations assume meter and service at primary voltage and a power factor of 85%.
34 D. TOD energy charges assume 25/75 on/off-peak % for 90% LF.
35 E. CCV credits in columns 5 and 12 are load-factor adjusted and reflect service at primary voltage.
36 F. The present GSLM-2 Contract Credit Value represents the 2019 factor. The proposed GSLM-2 Contract Credit Value for 2019 is the same.
37 G. Current base rates are as of January 01, 2019
38 H. Current and proposed clause rates are as of April 01, 2019
39 I. Proposed fuel rate is projected 2020 rate.

Supporting Schedules: E-13c, E-14 Supplement

Recap Schedules:

TAMPA ELECTRIC COMPANY
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Determination of Fuel Recovery Factor for Third SoBRA

TAMPA ELECTRIC COMPANY
DETERMINATION OF FUEL RECOVERY FACTOR
ESTIMATED FOR THE PERIOD: JANUARY 2020 THROUGH DECEMBER 2020
REFLECTING THIRD SoBRA FUEL SAVINGS - $11.3 MILLION

		NET ENERGY FOR LOAD (%)	FUEL COST (%)
ON PEAK		29.77	$23.94
OFF PEAK		70.23	$22.10
		100.00	1.0833

			TOTAL		ON PEAK	OFF PEAK
1	Third SoBRA 2020 Fuel Savings		($11,300,000)	-0.0581		
2	MWH Sales (Jurisd)		19,482,432			
2a	Effective MWH Sales (Jurisd)		19,453,517			
3	Cost Per KWH Sold	(line 1 / line 2)	-0.0580			
4	Jurisdictional Loss Factor		1.00000			
5	Jurisdictional Fuel Factor		na			
6	True-Up		$0	0.0000		
7	TOTAL	(line 1 x line 4)	($11,300,000)			
8	Revenue Tax Factor		1.00072			
9	Recovery Factor	(line 7 x line 8) / line 2a / 10	-0.0581			
10	GPIF Factor			0.0000		
11	Recovery Factor Including GPIF	(line 9 + line 10)	-0.0581	-0.0581	-0.0614	-0.0567
12	Recovery Factor Rounded to the Nearest .001 cents/KWH		-0.058		-0.061	-0.057

Jurisdictional Sales (MWH)

Metering Voltage:	Meter	Secondary
Distribution Secondary	17,244,635	17,244,635
Distribution Primary	1,584,105	1,568,264
Transmission	653,692	640,618
Total	19,482,432	19,453,517

Rate Schedules		Rate Impact of Third SoBRA Fuel Savings of $11.3 Million *			2019 Approved Rates **			Rates Including Third SoBRA $11.3 Million Fuel Savings ***		
		Standard	On-Peak	Off-Peak	Standard	On-Peak	Off-Peak	Standard	On-Peak	Off-Peak
RSVP, GS, GST, CS, GSD (Opt), GSD, GSDT, SBF, SBFT	Distribution Secondary	-0.058	-0.061	-0.057	3.227	3.411	3.149	3.169	3.350	3.092
GSD (Opt), GSD, GSDT, SBF, SBFT, IS, IST, SBI	Distribution Primary	-0.057	-0.060	-0.056	3.195	3.377	3.118	3.138	3.317	3.062
GSD (Opt), GSD, GSDT, SBF, SBFT, IS, IST, SBI	Transmission	-0.057	-0.060	-0.056	3.162	3.343	3.086	3.105	3.283	3.030
	RS 1st Tier	-0.058			2.913			2.855		
	RS 2nd Tier	-0.058			3.913			3.855		
	Lighting	-0.057			3.194			3.137		

* Calculated above. Includes Third SoBRA fuel savings of $11.3 million.
** Current approved rates per mid-course tariff schedules effective April 1, 2019.
*** Current approved rates reduced by $11.3 million in fuel savings.

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Redlined Tariffs

Reflecting Third SoBRA Base Revenue Increase

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-~~FOURTH~~ FIFTH REVISED SHEET NO. 6.030
CANCELS TWENTY-~~THIRD~~ FOURTH REVISED SHEET NO. 6.030

RESIDENTIAL SERVICE

SCHEDULE: RS

AVAILABLE: Entire service area.

APPLICABLE: To residential consumers in individually metered private residences, apartment units, and duplex units. All energy must be for domestic purposes and should not be shared with or sold to others. In addition, energy used in commonly-owned facilities in condominium and cooperative apartment buildings will qualify for this rate schedule, subject to the following criteria:

1. 100% of the energy is used exclusively for the co-owners' benefit.
2. None of the energy is used in any endeavor which sells or rents a commodity or provides service for a fee.
3. Each point of delivery will be separately metered and billed.
4. A responsible legal entity is established as the customer to whom the Company can render its bills for said service.

Resale not permitted.

Billing charges shall be prorated for billing periods that are less than 25 days or greater than 35 days. If the billing period exceeds 35 days and the billing extension causes energy consumption, based on average daily usage, to exceed 1,000 kWh, the excess consumption will be charged at the lower monthly Energy and Demand Charge.

LIMITATION OF SERVICE: This schedule includes service to single phase motors rated up to 7.5 HP. Three phase service may be provided where available for motors rated 7.5 HP and over.

MONTHLY RATE:

Basic Service Charge:
$15.12

Energy and Demand Charge:

First 1,000 kWh	5.~~141~~296¢ per kWh
All additional kWh	6.~~141~~296¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.031

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE: ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-~~FIFTH~~ SIXTH REVISED SHEET NO. 6.050
CANCELS TWENTY-~~FOURTH~~ FIFTH REVISED SHEET NO. 6.050

GENERAL SERVICE - NON DEMAND

SCHEDULE: GS

AVAILABLE: Entire service area.

APPLICABLE: For lighting and power in establishments not classified as residential whose energy consumption has not exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

LIMITATION OF SERVICE: All service under this rate shall be furnished through one meter. Standby service permitted on Schedule GST only.

MONTHLY RATE:

Basic Service Charge:

Metered accounts	$18.14
Un-metered accounts	$15.12

Energy and Demand Charge:
5.~~412~~568¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.~~164~~169¢ per kWh of billing energy. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.051

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE: ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-~~FOURTH~~ FIFTH REVISED SHEET NO. 6.080
CANCELS TWENTY-~~THIRD~~ FOURTH REVISED SHEET NO. 6.080

GENERAL SERVICE - DEMAND

SCHEDULE: GSD

AVAILABLE: Entire service area.

APPLICABLE: To any customer whose energy consumption has exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. Also available to customers with energy consumption at any level below 9,000 kWh per billing period who agree to remain on this rate for at least twelve (12) months. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: A-C; 60 cycles; 3 phase; at any standard Company voltage.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

STANDARD		OPTIONAL	
Basic Service Charge:		Basic Service Charge:	
Secondary Metering Voltage	$ 30.24	Secondary Metering Voltage	$ 30.24
Primary Metering Voltage	$ 131.03	Primary Metering Voltage	$ 131.03
Subtrans. Metering Voltage	$ 997.80	Subtrans. Metering Voltage	$ 997.80
Demand Charge:		Demand Charge:	
$~~10.59~~11.08 per kW of billing demand		$0.00 per kW of billing demand	
Energy Charge:		Energy Charge:	
1.596¢ per kWh		6.~~494~~681¢ per kWh	

The customer may select either standard or optional. Once an option is selected, the customer must remain on that option for twelve (12) consecutive months.

Continued to Sheet No. 6.081

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-~~SECOND~~ THIRD REVISED SHEET NO. 6.081
CANCELS TWENTY-~~FIRST~~ SECOND REVISED SHEET NO. 6.081

Continued from Sheet No. 6.080

BILLING DEMAND: The highest measured 30-minute interval kW demand during the billing period.

MINIMUM CHARGE: The Basic Service Charge and any Minimum Charge associated with optional riders.

TEMPORARY DISCONTINUANCE OF SERVICE: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within 12 months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued.

POWER FACTOR: Power factor will be calculated for customers with measured demands of 1,000 kW or more in any one billing period out of twelve (12) consecutive billing periods ending with the current billing period. When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When a customer under the standard rate takes service at primary voltage, a discount of ~~86~~90¢ per kW of billing demand will apply. A discount of $2.~~66~~ 78 per kW of billing demand will apply when a customer under the standard rate takes service at subtransmission or higher voltage.

Continued to Sheet No. 6.082

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~NINTH~~ TENTH REVISED SHEET NO. 6.082
CANCELS ~~EIGHTH~~ NINTH REVISED SHEET NO. 6.082

Continued from Sheet No. 6.081

When a customer under the optional rate takes service at primary voltage, a discount of 0.~~228~~239¢ per kWh will apply. A discount of 0.~~695~~727¢ per kWh will apply when a customer under the optional rate takes service at subtransmission or higher voltage.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~68~~71¢ per kW of billing demand for customers taking service under the standard rate and 0.~~172~~180¢/kWh for customer taking service under the optional rate. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE: ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-~~SECOND~~ THIRD REVISED SHEET NO. 6.085
CANCELS TWENTY-~~FIRST~~ SECOND REVISED SHEET NO. 6.085

INTERRUPTIBLE SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: IS

AVAILABLE: Entire Service Area.

APPLICABLE: To be eligible for service under Rate Schedule IS, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Agreement for the Purchase of Industrial Load Management Service under Rate Schedule GSLM-2. When electric service is desired at more than one location, each such location or point of delivery shall be considered as a separate customer. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

Basic Service Charge:

Primary Metering Voltage	$ 626.90
Subtransmission Metering Voltage	$2,390.70

Demand Charge:
$~~3.11~~4.04 per KW of billing demand

Energy Charge:
2.524¢ per KWH

Continued to Sheet No. 6.086

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-~~FIRST~~ SECOND REVISED SHEET NO. 6.086
CANCELS ~~TWENTIETH~~ TWENTY-FIRST REVISED SHEET NO. 6.086

Continued from Sheet No. 6.085

BILLING DEMAND: The highest measured 30-minute interval KW demand during the month.

MINIMUM CHARGE: The Basic Service Charge and any Minimum Charge associated with optional riders.

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% of the energy and demand charge will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of ~~85¢~~$1.10 per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.~~22~~ 58 per KW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.087

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~THIRTIETH~~ THIRTY-FIRST REVISED SHEET NO. 6.290
CANCELS ~~TWENTY-NINTH~~THIRTIETH REVISED SHEET NO. 6.290

CONSTRUCTION SERVICE

SCHEDULE: CS

AVAILABLE: Entire service area.

APPLICABLE: Single phase temporary service used primarily for construction purposes.

LIMITATION OF SERVICE: Service is limited to construction poles and services installed under the TUG program. Construction poles are limited to a maximum of 70 amperes at 240 volts for construction poles. Larger (non-TUG) services and three phase service entrances must be served under the appropriate rate schedule, plus the cost of installing and removing the temporary facilities is required.

MONTHLY RATE:
Basic Service Charge: $18.14

Energy and Demand Charge: 5.~~412~~568¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

MISCELLANEOUS: A Temporary Service Charge of $260.00 shall be paid upon application for the recovery of costs associated with providing, installing, and removing the company's temporary service facilities for construction poles. Where the Company is required to provide additional facilities other than a service drop or connection point to the Company's existing distribution system, the customer shall also pay, in advance, for the estimated cost of providing, installing and removing such additional facilities, excluding the cost of any portion of these facilities which will remain as a part of the permanent service.

PAYMENT OF BILLS: See Sheet No. 6.022.

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE: ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-~~FOURTH~~ FIFTH REVISED SHEET NO. 6.320
CANCELS TWENTY-~~THIRD~~ FOURTH REVISED SHEET NO. 6.320

TIME-OF-DAY
GENERAL SERVICE - NON DEMAND
(OPTIONAL)

SCHEDULE: GST

AVAILABLE: Entire service area.

APPLICABLE: For lighting and power in establishments not classified as residential whose energy consumption has not exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. All of the electric load requirements on the customer's premises must be metered at one (1) point of delivery. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

LIMITATION OF SERVICE: All service under this rate shall be furnished through one meter. Standby service permitted.

MONTHLY RATE:

Basic Service Charge:
$20.16

Energy and Demand Charge:
~~14.963~~12.521¢ per kWh during peak hours
~~2.108~~3.162¢ per kWh during off-peak hours

Continued to Sheet No. 6.321

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~TWENTIETH~~ TWENTY-FIRST REVISED SHEET NO. 6.321
CANCELS ~~NINETEENTH~~ TWENTIETH REVISED SHEET NO. 6.321

Continued from Sheet No. 6.320

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours:	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM
(Monday-Friday)		and
		6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

MINIMUM CHARGE: The Basic Service Charge.

BASIC SERVICE CHARGE CREDIT: Any customer who makes a one time contribution in aid of construction of $94.00 (lump-sum meter payment), shall receive a credit of $2.02 per month. This contribution in aid of construction will be subject to a partial refund if the customer terminates service on this optional time-of-day rate.

TERMS OF SERVICE: A customer electing this optional rate shall have the right to transfer to the standard applicable rate at any time without additional charge for such transaction, except that any customer who requests this optional rate for the second time on the same premises will be required to sign a contract to remain on this rate for at least one (1) year.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.~~164~~169¢ per kWh of billing energy. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.322

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-~~FIFTH~~ SIXTH REVISED SHEET NO. 6.330
CANCELS TWENTY-~~FOURTH~~ FIFTH REVISED SHEET NO. 6.330

TIME-OF-DAY
GENERAL SERVICE - DEMAND
(OPTIONAL)

SCHEDULE: GSDT

AVAILABLE: Entire service area.

APPLICABLE: To any customer whose energy consumption has exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. Also available to customers with energy consumption at any level below 9,000 kWh per billing period who agree to remain on this rate for at least twelve (12) months. For any billing period that exceeds 35 days, the consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: A-C; 60 cycles; 3 phase; at any standard Company voltage.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

Basic Service Charge:	
Secondary Metering Voltage	$ 30.24
Primary Metering Voltage	$ 131.03
Subtransmission Metering Voltage	$ 997.80

Demand Charge:
$3.~~57~~ 73 per kW of billing demand, plus
$7.~~02~~ 34 per kW of peak billing demand

Energy Charge:
2.921¢ per kWh during peak hours
1.054¢ per kWh during off-peak hours

Continued to Sheet No. 6.331

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-~~FIRST~~ SECOND REVISED SHEET NO. 6.332
CANCELS TWENTY-FIRST ~~TWENTIETH~~ REVISED SHEET NO. 6.332

Continued from Sheet No. 6.331

POWER FACTOR: Power factor will be calculated for customers with measured demands of 1,000 kW in any billing period out of twelve (12) consecutive billing periods ending with the current billing period. When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage a discount of ~~86~~90¢ per kW of billing demand will apply. When the customer takes service at subtransmission or higher voltage, a discount of $2.~~66~~ 78 per kW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~68~~71¢ per kW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-~~SECOND~~ THIRD REVISED SHEET NO. 6.340
CANCELS TWENTY-~~FIRST~~ SECOND REVISED SHEET NO. 6.340

TIME OF DAY
INTERRUPTIBLE SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: IST

AVAILABLE: Entire Service Area.

APPLICABLE: To be eligible for service under Rate Schedule IST, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Agreement for the Purchase of Industrial Load Management Service under Rate Schedule GSLM-2. When electric service is desired at more than one location, each such location or point of delivery shall be considered as a separate customer. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

Basic Service Charge:

Primary Metering Voltage	$ 626.90
Subtransmission Metering Voltage	$2,390.70

Demand Charge:
$~~3.11~~4.04 per KW of billing demand

Energy Charge:
2.524¢ per KWH

Continued to Sheet No. 6.345

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-~~SEVENTH~~ EIGHTH REVISED SHEET NO. 6.350
CANCELS TWENTY-~~SIXTH~~ SEVENTH REVISED SHEET NO. 6.350

Continued from Sheet No. 6.345

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% of the energy and demand charge will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of ~~85¢~~$1.10 per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.~~22~~ 58 per KW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.025.

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~TENTH~~ ELEVENTH REVISED SHEET NO. 6.565
CANCELS ~~NINTH~~ TENTH REVISED SHEET NO. 6.565

Continued from Sheet No. 6.560

MONTHLY RATES:
Basic Service Charge: $15.12

Energy and Demand Charges: 5.~~455~~610¢ per kWh (for all pricing periods)

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

DETERMINATION OF PRICING PERIODS: Pricing periods are established by season for weekdays and weekends. The pricing periods for price levels P_1 (Low Cost Hours), P_2 (Moderate Cost Hours) and P_3 (High Cost Hours) are as follows:

May through October	**P_1**	**P_2**	**P_3**
Weekdays	11 P.M. to 6 A.M.	6 A.M. to 1 P.M. 6 P.M. to 11 P.M.	1 P.M. to 6 P.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	----------
November through April	**P_1**	**P_2**	**P_3**
Weekdays	11 P.M. to 5 A.M.	5 A.M. to 6 A.M. 10 A.M. to 11 P.M.	6 A.M. to 10 A.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	----------

The pricing periods for price level P_4 (Critical Cost Hours) shall be determined at the sole discretion of the Company. Level P_4 hours shall not exceed 134 hours per year.

Continued to Sheet No. 6.570

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~FIFTEENTH~~ SIXTEENTH REVISED SHEET NO. 6.601
CANCELS ~~FOURTEENTH~~ FIFTEENTH REVISED SHEET NO. 6.601

Continued from Sheet No. 6.600

CHARGES FOR SUPPLEMENTAL SERVICE:

Demand Charge:
$~~10.59~~11.08 per kW-Month of Supplemental Billing Demand (Supplemental Billing Demand Charge)

Energy Charge:
1.596¢ per Supplemental kWh

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours: (Monday-Friday)	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

BILLING UNITS:

Demand Units: Metered Demand - The highest measured 30-minute interval kW demand served by the company during the month.

Site Load - The highest kW total of Customer generation plus deliveries by the company less deliveries to the Company, occurring in the same 30-minute interval, during the month.

Normal Generation - The generation level equaled or exceeded by the Customer's generation 10% of the metered intervals during the previous twelve months.

Supplemental Billing Demand - The amount, if any, by which the highest Site Load during any 30-minute interval in the month exceeds Normal Generation, but no greater than Metered Demand.

Continued to Sheet No. 6.602

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~SEVENTIETH~~ EIGHTEENTH REVISED SHEET NO. 6.603
CANCELS ~~SIXTEENTH~~ SEVENTEENTH REVISED SHEET NO. 6.603

Continued from Sheet No. 6.602

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage, a discount of ~~86~~90¢ per kW of Supplemental Demand and 63¢ per kW of Standby Demand will apply.

When the customer takes service at subtransmission or higher voltage, a discount of $2.~~66~~ 78 per kW of Supplemental Demand and $1.97 per kW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~68~~71¢ per kW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021. Note: Standby fuel charges shall be based on the time of use (i.e., peak and off-peak) fuel rates for Rate Schedule SBF. Supplemental fuel charges shall be based on the standard fuel rate for Rate Schedule SBF.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~TWELFTH~~ THIRTEENTH REVISED SHEET NO. 6.606
CANCELS ~~ELEVENTH~~ TWELFTH REVISED SHEET NO. 6.606

Continued from Sheet No. 6.605

CHARGES FOR SUPPLEMENTAL SERVICE

Demand Charge:

$~~3.57~~3.73 per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus

$7.~~02~~34 per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing Demand Charge)

Energy Charge:

2.921¢ per Supplemental kWh during peak hours

1.054¢ per Supplemental kWh during off-peak hours

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours: (Monday-Friday)	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

BILLING UNITS:

Demand Units: Metered Demand - The highest measured 30-minute interval kW demand served by the Company during the month.

Metered Peak Demand - The highest measured 30-minute interval kW demand served by the Company during the peak hours.

Site Load - The highest kW total of Customer generation plus deliveries by the company less deliveries to the company, occurring in the same 30-minute interval, during the month.

Continued to Sheet No. 6.607

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~FOURTEENTH~~ FIFTEENTH REVISED SHEET NO. 6.608
CANCELS ~~THIRTEENTH~~ FOURTEENTH REVISED SHEET NO. 6.608

Continued from Sheet No. 6.607

TERM OF SERVICE: Any customer receiving service under this schedule will be required to give the Company written notice at least 60 months prior to transferring to a firm non-standby schedule. Such notice shall be irrevocable unless the Company and the customer should mutually agree to void the notice.

TEMPORARY DISCONTINUANCE OF SERVICE: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within 12 months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued.

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charges, Energy Charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charges, Energy Charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage, a discount of ~~86~~90¢ per kW of Supplemental Demand and 63¢ per kW of Standby Demand will apply.

When the customer takes service at subtransmission or higher voltage, a discount of $2.~~66~~ 78 per kW of Supplemental Demand and $1.97 per kW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~68~~71¢ per kW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.609

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE: ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~TENTH~~ ELEVENTH REVISED SHEET NO. 6.700
CANCELS ~~NINTH~~ TENTH REVISED SHEET NO. 6.700

INTERRUPTIBLE STANDBY AND SUPPLEMENTAL SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: SBI

AVAILABLE: Entire service area.

APPLICABLE: Required for all self-generating customers eligible for service under rate schedules IS or IST whose generating capacity in kilowatts (exclusive of emergency generation equipment) exceeds 20% of their site load in kilowatts. Also available to self-generating customers eligible for service under rate schedules IS or IST whose generating capacity in kilowatts does not exceed 20% of their site load in kilowatts, but who agree to all the terms and conditions of this rate schedule. To be eligible for service under this rate schedule, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Supplemental Tariff Agreement for the Purchase of Industrial Standby and Supplemental Load Management Rider Service. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher

LIMITATION OF SERVICE: A customer taking service under this tariff must sign the Tariff Agreement for the Purchase of Standby and Supplemental Service

MONTHLY RATE:

Basic Service Charge:

Primary Metering Voltage	$652.10
Subtransmission Metering Voltage	$2,415.90

Demand Charge:

$~~3.11~~4.04 per KW-Month of Supplemental Demand (Supplemental Demand Charge)
$1.46 per KW-Month of Standby Demand (Local Facilities Reservation Charge)

plus the greater of:
$1.21 per KW-Month of Standby Demand (Power Supply Reservation Charge); or
$0.48 per KW-Day of Actual Standby Billing Demand (Power Supply Demand Charge)

Continued to Sheet No. 6.705

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~EIGHTH~~ NINTH REVISED SHEET NO. 6.715
CANCELS ~~SEVENTH~~ EIGHTH REVISED SHEET NO. 6.715

Continued from Sheet No. 6.710

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% will apply to the standby and supplemental demand charges, energy charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charges.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of ~~85¢~~$1.10 per KW of Supplemental Demand and 34¢ per KW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.~~22~~ 58 per KW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: Supplemental energy may be billed at either standard or time-of-day fuel rates at the option of the customer. See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE: ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~EIGHTH~~ NINTH REVISED SHEET NO. 6.805
CANCELS ~~SEVENTH~~ EIGHTH REVISED SHEET NO. 6.805

Continued from Sheet No. 6.800

MONTHLY RATE:

High Pressure Sodium Fixture, Maintenance, and Base Energy Charges:

Rate Code			Lamp Size				Charges per Unit ($)			
					kWh				Base Energy[4]	
Dusk to Dawn	Timed Svc.	Description	Initial Lumens[2]	Lamp Wattage[3]	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
800	860	Cobra[1]	4,000	50	20	10	3.16	2.48	0.50	0.25
802	862	Cobra/Nema[1]	6,300	70	29	14	3.20	2.11	0.73	0.35
803	863	Cobra/Nema[1]	9,500	100	44	22	3.63	2.33	1.~~10~~1 1	0.55
804	864	Cobra[1]	16,000	150	66	33	4.18	2.02	1.66	0.83
805	865	Cobra[1]	28,500	250	105	52	4.87	2.60	2.~~63~~6 5	1.~~30~~3 1
806	866	Cobra[1]	50,000	400	163	81	5.09	2.99	4.~~09~~1 1	2.~~03~~0 4
468	454	Flood[1]	28,500	250	105	52	5.37	2.60	2.~~63~~6 5	1.~~30~~3 1
478	484	Flood[1]	50,000	400	163	81	5.71	3.00	4.~~09~~1 1	2.~~03~~0 4
809	869	Mongoose[1]	50,000	400	163	81	6.50	3.02	4.~~09~~1 1	2.~~03~~0 4
509	508	Post Top (PT)[1]	4,000	50	20	10	3.98	2.48	0.50	0.25
570	530	Classic PT[1]	9,500	100	44	22	11.85	1.89	1.~~10~~1 1	0.55
810	870	Coach PT[1]	6,300	70	29	14	4.71	2.11	0.73	0.35
572	532	Colonial PT[1]	9,500	100	44	22	11.75	1.89	1.~~10~~1 1	0.55
573	533	Salem PT[1]	9,500	100	44	22	9.03	1.89	1.~~10~~1 1	0.55
550	534	Shoebox[1]	9,500	100	44	22	8.01	1.89	1.~~10~~1 1	0.55
566	536	Shoebox[1]	28,500	250	105	52	8.69	3.18	2.~~63~~6 5	1.~~30~~3 1
552	538	Shoebox[1]	50,000	400	163	81	9.52	2.44	4.~~09~~1 1	2.~~03~~0 4

[1] Closed to new business
[2] Lumen output may vary by lamp configuration and age.
[3] Wattage ratings do not include ballast losses.
[4] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.~~509~~522¢ per kWh for each fixture.

Continued to Sheet No. 6.806

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~SIXTH~~ SEVENTH REVISED SHEET NO. 6.806
CANCELS ~~FIFTH~~ SIXTH REVISED SHEET NO. 6.806

Continued from Sheet No. 6.805

MONTHLY RATE:

Metal Halide Fixture, Maintenance, and Base Energy Charges:

Rate Code			Lamp Size				Charges per Unit ($)			
					kWh				Base Energy[4]	
Dusk to Dawn	Timed Svc.	Description	Initial Lumens[2]	Lamp Wattage[3]	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
704	724	Cobra[1]	29,700	350	138	69	7.53	4.99	3.~~464~~8	1.~~737~~4
520	522	Cobra[1]	32,000	400	159	79	6.03	4.01	~~3.994.~~01	1.~~989~~9
705	725	Flood[1]	29,700	350	138	69	8.55	5.04	3.~~464~~8	1.~~737~~4
556	541	Flood[1]	32,000	400	159	79	8.36	4.02	~~3.994.~~01	1.~~989~~9
558	578	Flood[1]	107,800	1,000	383	191	10.50	8.17	9.~~616~~6	4.~~798~~2
701	721	General PT[1]	12,000	150	67	34	10.60	3.92	1.~~686~~9	0.~~858~~6
574	548	General PT[1]	14,400	175	74	37	10.89	3.73	1.~~868~~7	0.93
700	720	Salem PT[1]	12,000	150	67	34	9.33	3.92	1.~~686~~9	0.~~858~~6
575	568	Salem PT[1]	14,400	175	74	37	9.38	3.74	1.~~868~~7	0.93
702	722	Shoebox[1]	12,000	150	67	34	7.22	3.92	1.~~686~~9	0.~~858~~6
564	549	Shoebox[1]	12,800	175	74	37	7.95	3.70	1.~~868~~7	0.93
703	723	Shoebox[1]	29,700	350	138	69	9.55	4.93	3.~~464~~8	1.~~737~~4
554	540	Shoebox[1]	32,000	400	159	79	10.02	3.97	~~3.994.~~01	1.~~989~~9
576	577	Shoebox[1]	107,800	1,000	383	191	16.50	8.17	9.~~616~~6	4.~~798~~2

[1] Closed to new business
[2] Lumen output may vary by lamp configuration and age.
[3] Wattage ratings do not include ballast losses.
[4] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.~~509~~522¢ per kWh for each fixture.

Continued to Sheet No. 6.808

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE: ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~SEVENTH~~ EIGHTH REVISED SHEET NO. 6.808
CANCELS ~~SIXTH~~ SEVENTH REVISED SHEET NO. 6.808

Continued from Sheet No. 6.806

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

Rate Code			Size				Charges per Unit ($)			
					kWh(1)				Base Energy(4)	
Dusk to Dawn	Timed Svc.	Description	Initial Lumens(2)	Lamp Wattage(3)	Dusk to Dawn	Timed Svc.	Fixture	Maintenance	Dusk to Dawn	Timed Svc.
828	848	Roadway(1)	5,155	56	20	10	7.27	1.74	0.50	0.25
820	840	Roadway (1)	7,577	103	36	18	11.15	1.19	0.~~90~~91	0.45
821	841	Roadway(1)	8,300	106	37	19	11.15	1.20	0.93	0.48
829	849	Roadway(1)	15,285	157	55	27	11.10	2.26	1.~~38~~39	0.68
822	842	Roadway(1)	15,300	196	69	34	14.58	1.26	1.~~73~~74	0.~~858~~6
823	843	Roadway(1)	14,831	206	72	36	16.80	1.38	1.~~81~~82	0.~~909~~1
835	855	Post Top(1)	5,176	60	21	11	16.53	2.28	0.53	0.28
824	844	Post Top(1)	3,974	67	24	12	19.67	1.54	0.~~60~~61	0.30
825	845	Post Top(1)	6,030	99	35	17	20.51	1.56	0.88	0.43
836	856	Post Top(1)	7,360	100	35	18	16.70	2.28	0.88	0.45
830	850	Area-Lighter(1)	14,100	152	53	27	14.85	2.51	1.~~33~~34	0.68
826	846	Area-Lighter(1)	13,620	202	71	35	19.10	1.41	1.~~78~~79	0.88
827	847	Area-Lighter(1)	21,197	309	108	54	20.60	1.55	2.~~71~~72	1.~~353~~6
831	851	Flood(1)	22,122	238	83	42	15.90	3.45	2.~~08~~09	1.~~050~~6
832	852	Flood(1)	32,087	359	126	63	19.16	4.10	3.~~16~~18	1.~~585~~9
833	853	Mongoose(1)	24,140	245	86	43	14.71	3.04	2.~~16~~17	1.08
834	854	Mongoose(1)	32,093	328	115	57	16.31	3.60	2.~~89~~90	1.~~434~~4

(1) Closed to new business
(2) Average
(3) Average wattage. Actual wattage may vary by up to +/- 5 watts.
(4) The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.~~509~~522¢ per kWh for each fixture.

Continued to Sheet No. 6.810

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE: ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~SECOND~~ THIRD REVISED SHEET NO. 6.809
CANCELS ~~FIRST~~ SECOND REVISED SHEET NO. 6.809

Continued from Sheet No. 6.808

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

Rate Code			Size				Charges per Unit ($)			
					kWh(1))				Base Energy(3)	
Dusk to Dawn	Timed Svc.	Description	Initial Lumens(1)	Lamp Wattage(2)	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
912	981	Roadway	2,600	27	9	5	4.83	1.74	0.23	0.13
914		Roadway	5,392	47	16		5.97	1.74	0.40	
921		Roadway/Area	8,500	88	31		8.97	1.74	0.78	
926	982	Roadway	12,414	105	37	18	6.83	1.19	0.93	0.45
932		Roadway/Area	15,742	133	47		14.15	1.38	1.~~18~~1 9	
935		Area-Lighter	16,113	143	50		11.74	1.41	1.~~25~~2 6	
937		Roadway	16,251	145	51		8.61	2.26	1.~~28~~2 9	
941	983	Roadway	22,233	182	64	32	11.81	2.51	1.61	0.~~80~~81
945		Area-Lighter	29,533	247	86		16.07	2.51	2.~~16~~1 7	
947	984	Area-Lighter	33,600	330	116	58	20.13	1.55	2.~~91~~9 3	1.46
951	985	Flood	23,067	199	70	35	11.12	3.45	1.~~76~~7 7	0.88
953	986	Flood	33,113	255	89	45	21.48	4.10	2.~~23~~2 4	1.13
956	987	Mongoose	23,563	225	79	39	11.78	3.04	1.~~98~~9 9	0.98
958		Mongoose	34,937	333	117		17.84	3.60	2.~~94~~9 5	
965		Granville Post Top (PT)	3,024	26	9		5.80	2.28	0.23	
967	988	Granville PT	4,990	39	14	7	13.35	2.28	0.35	0.18
968	989	Granville PT Enh(4)	4,476	39	14	7	15.35	2.28	0.35	0.18
971		Salem PT	5,240	55	19		10.95	1.54	0.48	
972		Granville PT	7,076	60	21		14.62	2.28	0.53	
973		Granville PT Enh(4)	6,347	60	21		16.62	2.28	0.53	
975	990	Salem PT	7,188	76	27	13	13.17	1.54	0.68	0.33

(1) Average
(2) Average wattage. Actual wattage may vary by up to +/- 10 %.
(3) The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.~~509~~522¢ per kWh for each fixture.
(4) Enhanced Post Top. Customizable decorative options

Continued to Sheet No. 6.810

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE: ~~January 1, 2019~~

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~SIXTH~~ SEVENTH REVISED SHEET NO. 6.815
CANCELS ~~FIFTH~~ SIXTH REVISED SHEET NO. 6.815

Continued from Sheet No. 6.810

Miscellaneous Facilities Charges:

Rate Code	Description	Monthly Facility Charge	Monthly Maintenance Charge
563	Timer	$7.54	$1.43
569	PT Bracket (accommodates two post top fixtures)	$4.27	$0.06

NON-STANDARD FACILITIES AND SERVICES:

The customer shall pay all costs associated with additional company facilities and services that are not considered standard for providing lighting service, including but not limited to, the following:

1. relays;
2. distribution transformers installed solely for lighting service;
3. protective shields;
4. bird deterrent devices;
5. light trespass shields;
6. light rotations;
7. light pole relocations;
8. devices required by local regulations to control the levels or duration of illumination including associated planning and engineering costs;
9. removal and replacement of pavement required to install underground lighting cable; and
10. directional boring.

MINIMUM CHARGE: The monthly charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021

FRANCHISE FEE: See Sheet No. 6.021

PAYMENT OF BILLS: See Sheet No. 6.022

SPECIAL CONDITIONS:
On customer-owned public street and highway lighting systems not subject to other rate schedules, the monthly rate for energy served at primary or secondary voltage, at the company's option, shall be 2.~~509~~522¢ per kWh of metered usage, plus a Basic Service Charge of $10.57 per month and the applicable additional charges as specified on Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.820

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:** ~~January 1, 2019~~

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
EXHIBIT NO. ___ (WRA-1)
WITNESS: ASHBURN
DOCUMENT NO. 7

Clean Tariffs

Reflecting Third SoBRA Base Revenue Increase

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-FIFTH REVISED SHEET NO. 6.030
CANCELS TWENTY-FOURTH REVISED SHEET NO. 6.030

RESIDENTIAL SERVICE

SCHEDULE: RS

AVAILABLE: Entire service area.

APPLICABLE: To residential consumers in individually metered private residences, apartment units, and duplex units. All energy must be for domestic purposes and should not be shared with or sold to others. In addition, energy used in commonly-owned facilities in condominium and cooperative apartment buildings will qualify for this rate schedule, subject to the following criteria:

1. 100% of the energy is used exclusively for the co-owners' benefit.
2. None of the energy is used in any endeavor which sells or rents a commodity or provides service for a fee.
3. Each point of delivery will be separately metered and billed.
4. A responsible legal entity is established as the customer to whom the Company can render its bills for said service.

Resale not permitted.

Billing charges shall be prorated for billing periods that are less than 25 days or greater than 35 days. If the billing period exceeds 35 days and the billing extension causes energy consumption, based on average daily usage, to exceed 1,000 kWh, the excess consumption will be charged at the lower monthly Energy and Demand Charge.

LIMITATION OF SERVICE: This schedule includes service to single phase motors rated up to 7.5 HP. Three phase service may be provided where available for motors rated 7.5 HP and over.

MONTHLY RATE:

Basic Service Charge:
$15.12

Energy and Demand Charge:

First 1,000 kWh	5.296¢ per kWh
All additional kWh	6.296¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.031

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE:

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-SIXTH REVISED SHEET NO. 6.050
CANCELS TWENTY-FIFTH REVISED SHEET NO. 6.050

GENERAL SERVICE - NON DEMAND

SCHEDULE: GS

AVAILABLE: Entire service area.

APPLICABLE: For lighting and power in establishments not classified as residential whose energy consumption has not exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

LIMITATION OF SERVICE: All service under this rate shall be furnished through one meter. Standby service permitted on Schedule GST only.

MONTHLY RATE:

Basic Service Charge:

Metered accounts	$18.14
Un-metered accounts	$15.12

Energy and Demand Charge:
5.568¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.169¢ per kWh of billing energy. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.051

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE:

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-FIFTH REVISED SHEET NO. 6.080
CANCELS TWENTY-FOURTH REVISED SHEET NO. 6.080

GENERAL SERVICE - DEMAND

SCHEDULE: GSD

AVAILABLE: Entire service area.

APPLICABLE: To any customer whose energy consumption has exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. Also available to customers with energy consumption at any level below 9,000 kWh per billing period who agree to remain on this rate for at least twelve (12) months. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: A-C; 60 cycles; 3 phase; at any standard Company voltage.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

STANDARD		OPTIONAL	
Basic Service Charge:		Basic Service Charge:	
Secondary Metering Voltage	$ 30.24	Secondary Metering Voltage	$ 30.24
Primary Metering Voltage	$ 131.03	Primary Metering Voltage	$ 131.03
Subtrans. Metering Voltage	$ 997.80	Subtrans. Metering Voltage	$ 997.80
Demand Charge:		Demand Charge:	
$11.08 per kW of billing demand		$0.00 per kW of billing demand	
Energy Charge:		Energy Charge:	
1.596¢ per kWh		6.681¢ per kWh	

The customer may select either standard or optional. Once an option is selected, the customer must remain on that option for twelve (12) consecutive months.

Continued to Sheet No. 6.081

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-THIRD REVISED SHEET NO. 6.081
CANCELS TWENTY-SECOND REVISED SHEET NO. 6.081

Continued from Sheet No. 6.080

BILLING DEMAND: The highest measured 30-minute interval kW demand during the billing period.

MINIMUM CHARGE: The Basic Service Charge and any Minimum Charge associated with optional riders.

TEMPORARY DISCONTINUANCE OF SERVICE: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within 12 months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued.

POWER FACTOR: Power factor will be calculated for customers with measured demands of 1,000 kW or more in any one billing period out of twelve (12) consecutive billing periods ending with the current billing period. When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When a customer under the standard rate takes service at primary voltage, a discount of 90¢ per kW of billing demand will apply. A discount of $2.78 per kW of billing demand will apply when a customer under the standard rate takes service at subtransmission or higher voltage.

Continued to Sheet No. 6.082

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

TENTH REVISED SHEET NO. 6.082
CANCELS NINTH REVISED SHEET NO. 6.082

Continued from Sheet No. 6.081

When a customer under the optional rate takes service at primary voltage, a discount of 0.239¢ per kWh will apply. A discount of 0.727¢ per kWh will apply when a customer under the optional rate takes service at subtransmission or higher voltage.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 71¢ per kW of billing demand for customers taking service under the standard rate and 0.180¢/kWh for customer taking service under the optional rate. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-THIRD REVISED SHEET NO. 6.085
CANCELS TWENTY-SECOND REVISED SHEET NO. 6.085

INTERRUPTIBLE SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: IS

AVAILABLE: Entire Service Area.

APPLICABLE: To be eligible for service under Rate Schedule IS, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Agreement for the Purchase of Industrial Load Management Service under Rate Schedule GSLM-2. When electric service is desired at more than one location, each such location or point of delivery shall be considered as a separate customer. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

Basic Service Charge:

Primary Metering Voltage	$ 626.90
Subtransmission Metering Voltage	$2,390.70

Demand Charge:
$4.04 per KW of billing demand

Energy Charge:
2.524¢ per KWH

Continued to Sheet No. 6.086

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-SECOND REVISED SHEET NO. 6.086
CANCELS TWENTY-FIRST REVISED SHEET NO. 6.086

Continued from Sheet No. 6.085

BILLING DEMAND: The highest measured 30-minute interval KW demand during the month.

MINIMUM CHARGE: The Basic Service Charge and any Minimum Charge associated with optional riders.

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% of the energy and demand charge will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of $1.10 per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.58 per KW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.087

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

THIRTY-FIRST REVISED SHEET NO. 6.290
CANCELS THIRTIETH REVISED SHEET NO. 6.290

CONSTRUCTION SERVICE

SCHEDULE: CS

AVAILABLE: Entire service area.

APPLICABLE: Single phase temporary service used primarily for construction purposes.

LIMITATION OF SERVICE: Service is limited to construction poles and services installed under the TUG program. Construction poles are limited to a maximum of 70 amperes at 240 volts for construction poles. Larger (non-TUG) services and three phase service entrances must be served under the appropriate rate schedule, plus the cost of installing and removing the temporary facilities is required.

MONTHLY RATE:
Basic Service Charge: $18.14

Energy and Demand Charge: 5.568¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

MISCELLANEOUS: A Temporary Service Charge of $260.00 shall be paid upon application for the recovery of costs associated with providing, installing, and removing the company's temporary service facilities for construction poles. Where the Company is required to provide additional facilities other than a service drop or connection point to the Company's existing distribution system, the customer shall also pay, in advance, for the estimated cost of providing, installing and removing such additional facilities, excluding the cost of any portion of these facilities which will remain as a part of the permanent service.

PAYMENT OF BILLS: See Sheet No. 6.022.

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-FIFTH REVISED SHEET NO. 6.320
CANCELS TWENTY-FOURTH REVISED SHEET NO. 6.320

TIME-OF-DAY
GENERAL SERVICE - NON DEMAND
(OPTIONAL)

SCHEDULE: GST

AVAILABLE: Entire service area.

APPLICABLE: For lighting and power in establishments not classified as residential whose energy consumption has not exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. All of the electric load requirements on the customer's premises must be metered at one (1) point of delivery. For any billing period that exceeds 35 days, the energy consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: Single or 3 phase, 60 cycles and approximately 120 volts or higher, at Company's option.

LIMITATION OF SERVICE: All service under this rate shall be furnished through one meter. Standby service permitted.

MONTHLY RATE:

Basic Service Charge:
$20.16

Energy and Demand Charge:
12.521¢ per kWh during peak hours
3.162¢ per kWh during off-peak hours

Continued to Sheet No. 6.321

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-FIRST REVISED SHEET NO. 6.321
CANCELS TWENTIETH REVISED SHEET NO. 6.321

Continued from Sheet No. 6.320

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours:	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM
(Monday-Friday)		and
		6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

MINIMUM CHARGE: The Basic Service Charge.

BASIC SERVICE CHARGE CREDIT: Any customer who makes a one time contribution in aid of construction of $94.00 (lump-sum meter payment), shall receive a credit of $2.02 per month. This contribution in aid of construction will be subject to a partial refund if the customer terminates service on this optional time-of-day rate.

TERMS OF SERVICE: A customer electing this optional rate shall have the right to transfer to the standard applicable rate at any time without additional charge for such transaction, except that any customer who requests this optional rate for the second time on the same premises will be required to sign a contract to remain on this rate for at least one (1) year.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.169¢ per kWh of billing energy. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.322

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-SIXTH REVISED SHEET NO. 6.330
CANCELS TWENTY-FIFTH REVISED SHEET NO. 6.330

TIME-OF-DAY
GENERAL SERVICE - DEMAND
(OPTIONAL)

SCHEDULE: GSDT

AVAILABLE: Entire service area.

APPLICABLE: To any customer whose energy consumption has exceeded 9,000 kWh in any one of the prior twelve (12) consecutive billing periods ending with the current billing period. Also available to customers with energy consumption at any level below 9,000 kWh per billing period who agree to remain on this rate for at least twelve (12) months. For any billing period that exceeds 35 days, the consumption shall be prorated to that of a 30-day amount for purposes of administering this requirement. Resale not permitted.

CHARACTER OF SERVICE: A-C; 60 cycles; 3 phase; at any standard Company voltage.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

MONTHLY RATE:

Basic Service Charge:

Secondary Metering Voltage	$ 30.24
Primary Metering Voltage	$ 131.03
Subtransmission Metering Voltage	$ 997.80

Demand Charge:
$3.73 per kW of billing demand, plus
$7.34 per kW of peak billing demand

Energy Charge:
2.921¢ per kWh during peak hours
1.054¢ per kWh during off-peak hours

Continued to Sheet No. 6.331

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-SECOND REVISED SHEET NO. 6.332
CANCELS TWENTY-FIRST REVISED SHEET NO. 6.332

Continued from Sheet No. 6.331

POWER FACTOR: Power factor will be calculated for customers with measured demands of 1,000 kW in any billing period out of twelve (12) consecutive billing periods ending with the current billing period. When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage a discount of 90¢ per kW of billing demand will apply. When the customer takes service at subtransmission or higher voltage, a discount of $2.78 per kW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 71¢ per kW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-THIRD REVISED SHEET NO. 6.340
CANCELS TWENTY-SECOND REVISED SHEET NO. 6.340

TIME OF DAY
INTERRUPTIBLE SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: IST

AVAILABLE: Entire Service Area.

APPLICABLE: To be eligible for service under Rate Schedule IST, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Agreement for the Purchase of Industrial Load Management Service under Rate Schedule GSLM-2. When electric service is desired at more than one location, each such location or point of delivery shall be considered as a separate customer. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher.

LIMITATION OF SERVICE: Standby service is permitted only for customers who generate less than 20% of their on-site load requirements or whose generating equipment is used for emergency purposes.

Basic Service Charge:

Primary Metering Voltage	$ 626.90
Subtransmission Metering Voltage	$2,390.70

Demand Charge:
$4.04 per KW of billing demand

Energy Charge:
2.524¢ per KWH

Continued to Sheet No. 6.345

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

TWENTY-EIGHTH REVISED SHEET NO. 6.350
CANCELS TWENTH-SEVENTH REVISED SHEET NO. 6.350

Continued from Sheet No. 6.345

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% of the energy and demand charge will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of $1.10 per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.58 per KW of billing demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.025.

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

ELEVENTH REVISED SHEET NO. 6.565
CANCELS TENTH REVISED SHEET NO. 6.565

Continued from Sheet No. 6.560

MONTHLY RATES:
Basic Service Charge: $15.12

Energy and Demand Charges: 5.610¢ per kWh (for all pricing periods)

MINIMUM CHARGE: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

DETERMINATION OF PRICING PERIODS: Pricing periods are established by season for weekdays and weekends. The pricing periods for price levels P_1 (Low Cost Hours), P_2 (Moderate Cost Hours) and P_3 (High Cost Hours) are as follows:

May through October	**P_1**	**P_2**	**P_3**
Weekdays	11 P.M. to 6 A.M.	6 A.M. to 1 P.M. 6 P.M. to 11 P.M.	1 P.M. to 6 P.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	----------
November through April	**P_1**	**P_2**	**P_3**
Weekdays	11 P.M. to 5 A.M.	5 A.M. to 6 A.M. 10 A.M. to 11 P.M.	6 A.M. to 10 A.M.
Weekends	11 P.M. to 6 A.M.	6 A.M. to 11 P.M.	----------

The pricing periods for price level P_4 (Critical Cost Hours) shall be determined at the sole discretion of the Company. Level P_4 hours shall not exceed 134 hours per year.

Continued to Sheet No. 6.570

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

SIXTEENTH REVISED SHEET NO. 6.601
CANCELS FIFTEENTH REVISED SHEET NO. 6.601

Continued from Sheet No. 6.600

CHARGES FOR SUPPLEMENTAL SERVICE:

Demand Charge:
$11.08 per kW-Month of Supplemental Billing Demand (Supplemental Billing Demand Charge)

Energy Charge:
1.596¢ per Supplemental kWh

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours: (Monday-Friday)	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

BILLING UNITS:

Demand Units: Metered Demand - The highest measured 30-minute interval kW demand served by the company during the month.

Site Load - The highest kW total of Customer generation plus deliveries by the company less deliveries to the Company, occurring in the same 30-minute interval, during the month.

Normal Generation - The generation level equaled or exceeded by the Customer's generation 10% of the metered intervals during the previous twelve months.

Supplemental Billing Demand - The amount, if any, by which the highest Site Load during any 30-minute interval in the month exceeds Normal Generation, but no greater than Metered Demand.

Continued to Sheet No. 6.602

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

EIGHTEENTH REVISED SHEET NO. 6.603
CANCELS SEVENTEENTH REVISED SHEET NO. 6.603

Continued from Sheet No. 6.602

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charge, Energy Charge, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage, a discount of 90¢ per kW of Supplemental Demand and 63¢ per kW of Standby Demand will apply.

When the customer takes service at subtransmission or higher voltage, a discount of $2.78 per kW of Supplemental Demand and $1.97 per kW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 71¢ per kW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021. Note: Standby fuel charges shall be based on the time of use (i.e., peak and off-peak) fuel rates for Rate Schedule SBF. Supplemental fuel charges shall be based on the standard fuel rate for Rate Schedule SBF.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

THIRTEENTH REVISED SHEET NO. 6.606
CANCELS TWELFTH REVISED SHEET NO. 6.606

Continued from Sheet No. 6.605

CHARGES FOR SUPPLEMENTAL SERVICE

Demand Charge:

$3.73	per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus
$7.34	per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing Demand Charge)

Energy Charge:

2.921¢	per Supplemental kWh during peak hours
1.054¢	per Supplemental kWh during off-peak hours

DEFINITIONS OF THE USE PERIODS: All time periods stated in clock time. (Meters are programmed to automatically adjust for changes from standard to daylight saving time and vice-versa.)

	April 1 - October 31	November 1 - March 31
Peak Hours: (Monday-Friday)	12:00 Noon - 9:00 PM	6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

Off-Peak Hours: All other weekday hours, and all hours on Saturdays, Sundays, New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day shall be off-peak.

BILLING UNITS:

Demand Units: Metered Demand - The highest measured 30-minute interval kW demand served by the Company during the month.

Metered Peak Demand - The highest measured 30-minute interval kW demand served by the Company during the peak hours.

Site Load - The highest kW total of Customer generation plus deliveries by the company less deliveries to the company, occurring in the same 30-minute interval, during the month.

Continued to Sheet No. 6.607

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

FIFTEENTH REVISED SHEET NO. 6.608
CANCELS FOURTEENTH REVISED SHEET NO. 6.608

Continued from Sheet No. 6.607

TERM OF SERVICE: Any customer receiving service under this schedule will be required to give the Company written notice at least 60 months prior to transferring to a firm non-standby schedule. Such notice shall be irrevocable unless the Company and the customer should mutually agree to void the notice.

TEMPORARY DISCONTINUANCE OF SERVICE: Where the use of energy is seasonal or intermittent, no adjustments will be made for a temporary discontinuance of service. Any customer prior to resuming service within 12 months after such service was discontinued will be required to pay all charges which would have been billed if service had not been discontinued.

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at primary voltage, a discount of 1% will apply to the Demand Charges, Energy Charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

When the customer takes energy metered at subtransmission or higher voltage, a discount of 2% will apply to the Demand Charges, Energy Charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charge.

DELIVERY VOLTAGE CREDIT: When the customer takes service at primary voltage, a discount of 90¢ per kW of Supplemental Demand and 63¢ per kW of Standby Demand will apply.

When the customer takes service at subtransmission or higher voltage, a discount of $2.78 per kW of Supplemental Demand and $1.97 per kW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 71¢ per kW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

Continued to Sheet No. 6.609

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE:

TECO TAMPA ELECTRIC AN EMERA COMPANY

ELEVENTH REVISED SHEET NO. 6.700
CANCELS TENTH REVISED SHEET NO. 6.700

INTERRUPTIBLE STANDBY AND SUPPLEMENTAL SERVICE
(CLOSED TO NEW BUSINESS AS OF MAY 7, 2009)

SCHEDULE: SBI

AVAILABLE: Entire service area.

APPLICABLE: Required for all self-generating customers eligible for service under rate schedules IS or IST whose generating capacity in kilowatts (exclusive of emergency generation equipment) exceeds 20% of their site load in kilowatts. Also available to self-generating customers eligible for service under rate schedules IS or IST whose generating capacity in kilowatts does not exceed 20% of their site load in kilowatts, but who agree to all the terms and conditions of this rate schedule. To be eligible for service under this rate schedule, a customer must have been taking interruptible service under rate schedules IS-1, IST-1, IS-3, IST-3, SBI-1, or SBI-3 on May 6, 2009 and have signed the Supplemental Tariff Agreement for the Purchase of Industrial Standby and Supplemental Load Management Rider Service. Resale not permitted.

CHARACTER OF SERVICE: The electric energy supplied under this schedule is three phase primary voltage or higher

LIMITATION OF SERVICE: A customer taking service under this tariff must sign the Tariff Agreement for the Purchase of Standby and Supplemental Service

MONTHLY RATE:

Basic Service Charge:

Primary Metering Voltage	$652.10
Subtransmission Metering Voltage	$2,415.90

Demand Charge:

$4.04 per KW-Month of Supplemental Demand (Supplemental Demand Charge)
$1.46 per KW-Month of Standby Demand (Local Facilities Reservation Charge)

plus the greater of:
$1.21 per KW-Month of Standby Demand (Power Supply Reservation Charge); or
$0.48 per KW-Day of Actual Standby Billing Demand (Power Supply Demand Charge)

Continued to Sheet No. 6.705

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

NINTH REVISED SHEET NO. 6.715
CANCELS EIGHTH REVISED SHEET NO. 6.715

Continued from Sheet No. 6.710

POWER FACTOR: When the average power factor during the month is less than 85%, the monthly bill will be increased 0.202¢ for each kVARh by which the reactive energy numerically exceeds 0.619744 times the billing energy. When the average power factor during the month is greater than 90%, the monthly bill will be decreased 0.101¢ for each kVARh by which the reactive energy is numerically less than 0.484322 times the billing energy.

METERING VOLTAGE ADJUSTMENT: When the customer takes energy metered at subtransmission or higher voltage, a discount of 1% will apply to the standby and supplemental demand charges, energy charges, Delivery Voltage Credit, Power Factor billing, and Emergency Relay Power Supply Charges.

DELIVERY VOLTAGE CREDIT: When the customer furnishes and installs all subtransmission or higher voltage to utilization voltage substation transformation, a discount of $1.10 per KW of Supplemental Demand and 34¢ per KW of Standby Demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be $1.58 per KW of Supplemental Demand and Standby Demand. This charge is in addition to the compensation the customer must make to the Company as a contribution-in-aid of construction.

FUEL CHARGE: Supplemental energy may be billed at either standard or time-of-day fuel rates at the option of the customer. See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021.

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021.

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021.

FRANCHISE FEE CHARGE: See Sheet No. 6.021.

PAYMENT OF BILLS: See Sheet No. 6.022.

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

NINTH REVISED SHEET NO. 6.805
CANCELS EIGHTH REVISED SHEET NO. 6.805

Continued from Sheet No. 6.800

MONTHLY RATE:

High Pressure Sodium Fixture, Maintenance, and Base Energy Charges:

Rate Code			Lamp Size				Charges per Unit ($)			
					kWh				Base Energy[4]	
Dusk to Dawn	Timed Svc.	Description	Initial Lumens[2]	Lamp Wattage[3]	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
800	860	Cobra[1]	4,000	50	20	10	3.16	2.48	0.50	0.25
802	862	Cobra/Nema[1]	6,300	70	29	14	3.20	2.11	0.73	0.35
803	863	Cobra/Nema[1]	9,500	100	44	22	3.63	2.33	1.11	0.55
804	864	Cobra[1]	16,000	150	66	33	4.18	2.02	1.66	0.83
805	865	Cobra[1]	28,500	250	105	52	4.87	2.60	2.65	1.31
806	866	Cobra[1]	50,000	400	163	81	5.09	2.99	4.11	2.04
468	454	Flood[1]	28,500	250	105	52	5.37	2.60	2.65	1.31
478	484	Flood[1]	50,000	400	163	81	5.71	3.00	4.11	2.04
809	869	Mongoose[1]	50,000	400	163	81	6.50	3.02	4.11	2.04
509	508	Post Top (PT)[1]	4,000	50	20	10	3.98	2.48	0.50	0.25
570	530	Classic PT[1]	9,500	100	44	22	11.85	1.89	1.11	0.55
810	870	Coach PT[1]	6,300	70	29	14	4.71	2.11	0.73	0.35
572	532	Colonial PT[1]	9,500	100	44	22	11.75	1.89	1.11	0.55
573	533	Salem PT[1]	9,500	100	44	22	9.03	1.89	1.11	0.55
550	534	Shoebox[1]	9,500	100	44	22	8.01	1.89	1.11	0.55
566	536	Shoebox[1]	28,500	250	105	52	8.69	3.18	2.65	1.31
552	538	Shoebox[1]	50,000	400	163	81	9.52	2.44	4.11	2.04

[1] Closed to new business
[2] Lumen output may vary by lamp configuration and age.
[3] Wattage ratings do not include ballast losses.
[4] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.522¢ per kWh for each fixture.

Continued to Sheet No. 6.806

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE:

TECO TAMPA ELECTRIC AN EMERA COMPANY

SEVENTH REVISED SHEET NO. 6.806
CANCELS SIXTH REVISED SHEET NO. 6.806

Continued from Sheet No. 6.805

MONTHLY RATE:

Metal Halide Fixture, Maintenance, and Base Energy Charges:

Rate Code			Lamp Size				Charges per Unit ($)			
					kWh				Base Energy[4]	
Dusk to Dawn	Timed Svc.	Description	Initial Lumens[2]	Lamp Wattage[3]	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
704	724	Cobra[1]	29,700	350	138	69	7.53	4.99	3.48	1.74
520	522	Cobra[1]	32,000	400	159	79	6.03	4.01	4.01	1.99
705	725	Flood[1]	29,700	350	138	69	8.55	5.04	3.48	1.74
556	541	Flood[1]	32,000	400	159	79	8.36	4.02	4.01	1.99
558	578	Flood[1]	107,800	1,000	383	191	10.50	8.17	9.66	4.82
701	721	General PT[1]	12,000	150	67	34	10.60	3.92	1.69	0.86
574	548	General PT[1]	14,400	175	74	37	10.89	3.73	1.87	0.93
700	720	Salem PT[1]	12,000	150	67	34	9.33	3.92	1.69	0.86
575	568	Salem PT[1]	14,400	175	74	37	9.38	3.74	1.87	0.93
702	722	Shoebox[1]	12,000	150	67	34	7.22	3.92	1.69	0.86
564	549	Shoebox[1]	12,800	175	74	37	7.95	3.70	1.87	0.93
703	723	Shoebox[1]	29,700	350	138	69	9.55	4.93	3.48	1.74
554	540	Shoebox[1]	32,000	400	159	79	10.02	3.97	4.01	1.99
576	577	Shoebox[1]	107,800	1,000	383	191	16.50	8.17	9.66	4.82

[1] Closed to new business
[2] Lumen output may vary by lamp configuration and age.
[3] Wattage ratings do not include ballast losses.
[4] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.522¢ per kWh for each fixture.

Continued to Sheet No. 6.808

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE:

TECO TAMPA ELECTRIC AN EMERA COMPANY

EIGHTH REVISED SHEET NO. 6.808
CANCELS SEVENTH REVISED SHEET NO. 6.808

Continued from Sheet No. 6.806

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

Rate Code			Size				Charges per Unit ($)			
					kWh[1]				Base Energy[4]	
Dusk to Dawn	Timed Svc.	Description	Initial Lumens[2]	Lamp Wattage[3]	Dusk to Dawn	Timed Svc.	Fixture	Maintenance	Dusk to Dawn	Timed Svc.
828	848	Roadway[1]	5,155	56	20	10	7.27	1.74	0.50	0.25
820	840	Roadway [1]	7,577	103	36	18	11.15	1.19	0.91	0.45
821	841	Roadway[1]	8,300	106	37	19	11.15	1.20	0.93	0.48
829	849	Roadway[1]	15,285	157	55	27	11.10	2.26	1.39	0.68
822	842	Roadway[1]	15,300	196	69	34	14.58	1.26	1.74	0.86
823	843	Roadway[1]	14,831	206	72	36	16.80	1.38	1.82	0.91
835	855	Post Top[1]	5,176	60	21	11	16.53	2.28	0.53	0.28
824	844	Post Top[1]	3,974	67	24	12	19.67	1.54	0.61	0.30
825	845	Post Top[1]	6,030	99	35	17	20.51	1.56	0.88	0.43
836	856	Post Top[1]	7,360	100	35	18	16.70	2.28	0.88	0.45
830	850	Area-Lighter[1]	14,100	152	53	27	14.85	2.51	1.34	0.68
826	846	Area-Lighter[1]	13,620	202	71	35	19.10	1.41	1.79	0.88
827	847	Area-Lighter[1]	21,197	309	108	54	20.60	1.55	2.72	1.36
831	851	Flood[1]	22,122	238	83	42	15.90	3.45	2.09	1.06
832	852	Flood[1]	32,087	359	126	63	19.16	4.10	3.18	1.59
833	853	Mongoose[1]	24,140	245	86	43	14.71	3.04	2.17	1.08
834	854	Mongoose[1]	32,093	328	115	57	16.31	3.60	2.90	1.44

[1] Closed to new business
[2] Average
[3] Average wattage. Actual wattage may vary by up to +/- 5 watts.
[4] The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.522¢ per kWh for each fixture.

Continued to Sheet No. 6.810

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

THIRD REVISED SHEET NO. 6.809
CANCELS SECOND REVISED SHEET NO. 6.809

Continued from Sheet No. 6.808

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

Rate Code		Description	Size				Charges per Unit ($)			
					kWh(1))				Base Energy(3)	
Dusk to Dawn	Timed Svc.		Initial Lumens(1)	Lamp Wattage(2)	Dusk to Dawn	Timed Svc.	Fixture	Maint.	Dusk to Dawn	Timed Svc.
912	981	Roadway	2,600	27	9	5	4.83	1.74	0.23	0.13
914		Roadway	5,392	47	16		5.97	1.74	0.40	
921		Roadway/Area	8,500	88	31		8.97	1.74	0.78	
926	982	Roadway	12,414	105	37	18	6.83	1.19	0.93	0.45
932		Roadway/Area	15,742	133	47		14.15	1.38	1.19	
935		Area-Lighter	16,113	143	50		11.74	1.41	1.26	
937		Roadway	16,251	145	51		8.61	2.26	1.29	
941	983	Roadway	22,233	182	64	32	11.81	2.51	1.61	0.81
945		Area-Lighter	29,533	247	86		16.07	2.51	2.17	
947	984	Area-Lighter	33,600	330	116	58	20.13	1.55	2.93	1.46
951	985	Flood	23,067	199	70	35	11.12	3.45	1.77	0.88
953	986	Flood	33,113	255	89	45	21.48	4.10	2.24	1.13
956	987	Mongoose	23,563	225	79	39	11.78	3.04	1.99	0.98
958		Mongoose	34,937	333	117		17.84	3.60	2.95	
965		Granville Post Top (PT)	3,024	26	9		5.80	2.28	0.23	
967	988	Granville PT	4,990	39	14	7	13.35	2.28	0.35	0.18
968	989	Granville PT Enh(4)	4,476	39	14	7	15.35	2.28	0.35	0.18
971		Salem PT	5,240	55	19		10.95	1.54	0.48	
972		Granville PT	7,076	60	21		14.62	2.28	0.53	
973		Granville PT Enh(4)	6,347	60	21		16.62	2.28	0.53	
975	990	Salem PT	7,188	76	27	13	13.17	1.54	0.68	0.33

(1) Average
(2) Average wattage. Actual wattage may vary by up to +/- 10 %.
(3) The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.522¢ per kWh for each fixture.
(4) Enhanced Post Top. Customizable decorative options

Continued to Sheet No. 6.810

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

TECO TAMPA ELECTRIC AN EMERA COMPANY

SEVENTH REVISED SHEET NO. 6.815
CANCELS SIXTH REVISED SHEET NO. 6.815

Continued from Sheet No. 6.810

Miscellaneous Facilities Charges:

Rate Code	Description	Monthly Facility Charge	Monthly Maintenance Charge
563	Timer	$7.54	$1.43
569	PT Bracket (accommodates two post top fixtures)	$4.27	$0.06

NON-STANDARD FACILITIES AND SERVICES:

The customer shall pay all costs associated with additional company facilities and services that are not considered standard for providing lighting service, including but not limited to, the following:

1. relays;
2. distribution transformers installed solely for lighting service;
3. protective shields;
4. bird deterrent devices;
5. light trespass shields;
6. light rotations;
7. light pole relocations;
8. devices required by local regulations to control the levels or duration of illumination including associated planning and engineering costs;
9. removal and replacement of pavement required to install underground lighting cable; and
10. directional boring.

MINIMUM CHARGE: The monthly charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

ENERGY CONSERVATION CHARGE: See Sheet Nos. 6.020 and 6.021.

CAPACITY CHARGE: See Sheet Nos. 6.020 and 6.021

ENVIRONMENTAL COST RECOVERY CHARGE: See Sheet Nos. 6.020 and 6.021

FLORIDA GROSS RECEIPTS TAX: See Sheet No. 6.021

FRANCHISE FEE: See Sheet No. 6.021

PAYMENT OF BILLS: See Sheet No. 6.022

SPECIAL CONDITIONS:
On customer-owned public street and highway lighting systems not subject to other rate schedules, the monthly rate for energy served at primary or secondary voltage, at the company's option, shall be 2.522¢ per kWh of metered usage, plus a Basic Service Charge of $10.57 per month and the applicable additional charges as specified on Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.820

ISSUED BY: N. G. Tower, President **DATE EFFECTIVE:**

REDACTED

BEFORE THE

FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 2019____-EI

IN RE: PETITION BY TAMPA ELECTRIC COMPANY FOR A LIMITED PROCEEDING TO APPROVE THIRD SOBRA EFFECTIVE JANUARY 1, 2020

PREPARED DIRECT TESTIMONY AND EXHIBIT

OF

MARK D. WARD

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

MARK D. WARD

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

A. My name is Mark D. Ward. My business address is 702 N. Franklin Street, Tampa, Florida, 33602. I am employed by Tampa Electric Company ("Tampa Electric" or "company") as Director of Renewables.

Q. Please provide a brief outline of your educational background and business experience.

A. I earned a Bachelor of Science in Mechanical Engineering from University of Alabama in Huntsville in 1984. I have thirty-five years of combined professional experience as a Department of Defense contractor and working for public utilities and independent power producers. Twenty-three years of my experience has been with electric utilities and independent power producers.

I worked for Tampa Electric from 1996 to 2001, where I

served as Manager of Generation Planning and provided management support for the development of Tampa Electric's Bayside Power project. From 2001 to 2007, I served in mid- to senior level management positions at various companies involved in the power industry. These companies included: Entergy Asset Management, an unregulated subsidiary of Entergy; the Shaw Group, an engineering and construction firm; and TXU, a regulated electric utility. From 2007 to 2014, I served as President of the Mesa Power Group. Mesa Power was a renewable energy developer with a primary focus in large scale wind development. From 2014 to 2016, I managed an energy consulting practice with clients primarily in solar, wind and combined heat and power.

I was re-hired by Tampa Electric in December 2016 as Director of Renewables. My responsibilities in this position include management oversight with respect to Tampa Electric's renewable energy strategies and projects. This includes the execution of Tampa Electric's 600 MW of utility scale solar projects described in the 2017 Amended and Restated Stipulation and Settlement Agreement ("2017 Agreement") that was approved by the Commission in Order No. PSC-2017-0456-S-EI, issued in Docket Nos. 20170210-EI and 20160160-EI on November 27,

2017.

Q. Have you previously testified or submitted written testimony before the Florida Public Service Commission ("Commission")?

A. Yes. I submitted direct and rebuttal testimony on behalf of Tampa Electric in Docket No. 19981890-EI (In re: Generic Investigation into Aggregate Electric Utility Reserve Margins Planned for Peninsular Florida). I submitted direct and rebuttal testimony on behalf of Tampa Electric on the prudency of replacement fuel and purchased power costs in Docket No. 19990001-EI (In re: Fuel and Purchased Power Cost Recovery Clause and Generating Performance Incentive Factor). I submitted direct testimony on behalf of Tampa Electric regarding the Gannon Repowering Project in Docket No. 19992014-EI (In re: Petition by Tampa Electric Company to Bring Generating Units into Compliance with Clean Air Act).

In addition, while working for Mesa Power Group, LLC, I submitted direct testimony before the Minnesota Public Utilities Commission on behalf of AWA Goodhue, LLC in MPUC Docket No. IP6701/WS-08-1233 (In the matter of the Application by AWA Goodhue Wind, LLC for a Site Permit

for a Large Wind Energy Conversion System for a 78 MW Wind Project in Goodhue County).

I also served as a member of a panel of witnesses during the November 6, 2017 hearing on the 2017 Agreement, and most recently, I testified before this Commission in Docket No. 20170260-EI, petition for limited proceeding to approve First Solar Base Rate Adjustment ("SoBRA"), effective September 1, 2018, by Tampa Electric Company. I submitted direct testimony in Docket No. 20180133-EI, petition for limited proceeding to approve Second Solar Base Rate Adjustment, effective January 1, 2019, by Tampa Electric Company.

Q. What are the purposes of your prepared direct testimony?

A. The purposes of my prepared direct testimony are to: (1) explain the company's plans to build solar photovoltaic generating facilities to serve its customers; (2) describe the company's Third SoBRA projects ("Third SoBRA") expected to be in service by January 1, 2020; and (3) demonstrate that the projected installed costs for the two Third SoBRA projects are below the $1,500 per kilowatt alternating current ("kW_{ac}") installed cost cap contained in the 2017 Agreement.

Q. Have you prepared an exhibit to support your prepared direct testimony?

A. Yes. Exhibit No. _____ (MDW-1) was prepared under my direction and supervision. It consists of the following two documents:

Document No. 1	Wimauma Solar Project Specifications and Projected Costs
Document No. 2	Little Manatee River Solar Project Specifications and Projected Costs

Q. How does your prepared direct testimony relate to the prepared direct testimony of the company's other two witnesses?

A. My prepared direct testimony describes the two Third SoBRA projects, Wimauma Solar and Little Manatee River ("LMR") Solar, for which cost recovery is requested, as well as their projected in-service dates and installed cost per kW_{ac}. Tampa Electric's witness Jose A. Aponte uses the projected installed project cost in my direct testimony to calculate the annual revenue requirement for the Third SoBRA. The company's cost of service and rate design witness, William R. Ashburn, uses the annual revenue requirement to develop the proposed customer rates for

the Third SoBRA.

TAMPA ELECTRIC'S SOLAR PLANS

Q. Please describe the company's overall plan to install solar photovoltaic ("PV") generating facilities.

A. Through 2021, Tampa Electric plans to add six million solar modules in 10 new solar PV projects across its service territory in West Central Florida. This amounts to a total of 600 megawatts ("MW") of cost-effective solar PV energy, which is enough electricity to power more than 100,000 homes. When the projects are complete, about seven percent of Tampa Electric's energy will come from the sun.

These solar additions are a continuation of Tampa Electric's long-standing commitment to clean energy. The company has long believed in the promise of renewable energy because it plays an important role in our energy future. As a member of the Emera family of companies, Tampa Electric is committed to transitioning its power generation to lower carbon emissions with projects that are cost-effective for customers.

The 600 MW of cost-effective solar PV will be added to the company's generating fleet in four tranches. In May

2018, the company received approval for 144.7 MW of PV solar generation with an in-service date of September 1, 2018. Tampa Electric received approval to place another 260.3 MW in-service as of January 1, 2019 and plans to place approximately 149.3 MW in service by January 1, 2020, with the balance, approximately 50 MW, to be placed in service by January 1, 2021.

The focus of my prepared direct testimony is the company's planned Third SoBRA projects, totaling 149.3 MW with a planned in-service date of January 1, 2020. The maximum allowable MW that may be included for cost recovery as part of the Third SoBRA is 150 MW.

THIRD SOBRA PROJECTS

Q. Please describe the two Third SoBRA projects.

A. The two Third SoBRA projects are known as Wimauma Solar and LMR Solar projects. The projects use single axis tracking systems, each designed to produce the optimal energy output for the particular site conditions. The 74.8 MW Wimauma Solar project is located in Hillsborough County, Florida on approximately 500 acres of land that was previously used for agricultural purposes. The 74.5 MW LMR Solar project is located in Hillsborough

County, Florida on 603 acres of land that was also previously used for agriculture. My exhibit contains project specifications, a general arrangement drawing, and projected installed costs in total and by category for each project.

Q. When does the company expect the Third SoBRA projects to begin commercial service?

A. Based on the current engineering, permitting, procurement, and construction schedules, the company expects the two projects to be complete and in service on or before January 1, 2020.

Q. What arrangements has the company made to design and build the Third SoBRA projects?

A. The Wimauma project was designed and will be built using the same general contractual arrangements and processes that were used for the First and Second SoBRA projects as described in my prepared direct testimony in Docket Nos. 20170260-EI and 20180133-EI.

The company used a competitive process to review qualifications, experience, safety and cost and to

identify and select a full-service solar developer for the Wimauma Solar project. Tampa Electric selected Moss Construction from three qualified developers and executed a contract for project development and Engineering, Procurement, and Construction ("EPC") services for the Wimauma Solar project.

The company also used a similar competitive process to select LMR Solar as the second project in the Third SoBRA. In this case, two developers approached Tampa Electric with individual solar project sites that they originated in Tampa Electric's service area. After reviewing the developers' sites, qualifications, experience, safety, and project costs, Florida Renewable Partners (a NextEra subsidiary) and its LMR Solar site was selected as the second project in the Third SoBRA Tranche.

The company executed two contracts with Florida Renewables Partners for LMR Solar. The first contract is to develop and permit the site, and the second contract is to construct the solar project.

Q. Has the company procured the land necessary for the solar projects?

A. Tampa Electric purchased land for the Wimauma Solar project, which is located in Hillsborough County. Tampa Electric continues to employ a screening and due diligence process to select its solar sites that includes geotechnical studies, environmental surveys and wetland delineation. The Wimauma site was evaluated and selected after considering environmental assessments, size of the project, proximity to Tampa Electric transmission facilities, cost of land, and suitability of the site for solar PV construction. The site is approximately 500 acres in size.

LMR Solar will be located on approximately 603 acres of land in Hillsborough County: Florida Renewables Partners holds a 30-year lease that includes options to extend the lease another 10 years. The location of this project was selected by Florida Renewables Partners, and the lease will be assigned to Tampa Electric prior to the commencement of construction. Florida Renewables Partners uses a similar screening and due diligence process as Tampa Electric to determine site feasibility for a PV solar project.

Each project is located in Tampa Electric's retail service territory.

Q. Why is LMR Solar being constructed on leased land?

A. Florida Renewable Partners had signed a long-term lease with the landowner prior to entering into a contract with Tampa Electric. Because the long-term lease payments are in line with the current market terms that exceed the useful life of LMR Solar, there is no significant impact on total project costs as the result of leasing rather than purchasing the land.

Q. What is the status of project design and engineering for the Third SoBRA?

A. The engineering and design of the Wimauma Solar project is nearly 100 percent complete, permit applications were filed in April 2019, and long lead equipment and materials have been ordered. The project is expected to receive permits in late June or early July, at which time the project will commence construction.

The engineering and design of LMR Solar is also nearly 100 percent complete, permit applications were filed in April 2019 and long lead equipment and materials have been ordered. The project is expected to receive permits in late June or early July, at which time the project will

commence construction.

Q. Has the company purchased PV modules necessary to construct the projects?

A. Tampa Electric has purchased First Solar series four modules for both Third SoBRA projects. The modules that will be used for Wimauma Solar and LMR Solar are part of the bulk purchase from First Solar in 2017. The First Solar module purchase enabled the company to lock in competitive prices while avoiding the module tariff that became effective in 2018.

Q. What other procedures did the company use to ensure that the costs of the projects are reasonable?

A. Tampa Electric also monitors published costs of other projects, particularly those in Florida. A recent NREL report that benchmark's EPC solar costs, "U.S. Solar Photovoltaic System Cost Benchmark: Q1 2018" shows 100 MW utility scale PV systems with single axis tracking as costing on average $1,381 per kW_{ac} excluding land costs. Tampa Electric's Third SoBRA EPC cost averages $1,341 per kW_{ac}, excluding land and Allowance for Funds Used During Construction ("AFUDC").

Lastly, in Docket No. 20190001-EI, another Florida investor owned utility requested cost recovery for their PV all-in-solar project costs for fixed tilt systems that range in cost from $1,399 per kW_{ac} to $1,407 per kW_{ac} for fixed tilt systems. In comparison, Tampa Electric's Third SoBRA average cost is $1,444 per kW_{ac} (including land and AFUDC) for single axis tracking systems. The slightly higher costs for the Tampa Electric projects are due to the higher cost of single axis tracking technology and steel tariffs that are now in place.

PROJECTED INSTALLED COSTS

Q. What are the projected installed costs for the Third SoBRA Projects?

A. The projected installed costs of the Third SoBRA are shown in the following table:

Third SoBRA Projects	**Cost/kW_{ac}**
Wimauma Solar Project	$1,479
LMR Solar Project	$1,410

Q. What costs were included in these projections?

A. The projected total installed cost broken down by major category for the Third SoBRA is shown on Document Nos. 1

and 2 of my exhibit.

The projected costs shown in my exhibit reflect the company's best estimate of the cost of the projects; they include the types of costs that traditionally have been allowed in rate base and are eligible for cost recovery via a SoBRA. These costs include: EPC costs; development costs including third party development fees, if any; permitting and land acquisition costs; taxes; utility costs to support or complete development; transmission interconnection cost and modules and equipment costs; costs associated with electrical balance of system, structural balance of system; AFUDC at the weighted average cost of capital from Exhibit B of the 2017 Agreement; and other traditionally allowed rate base costs.

Q. How were the projected cost amounts in your exhibit developed?

A. Tampa Electric worked with the developers to determine the all-in-costs for the Third SoBRA and uses an iterative approach to update project costs as site due diligence and engineering and design are conducted. This includes negotiating and executing the module supply agreement,

reviewing equipment specifications and pricing, reviewing the scope of work and balance of system costs, and acquiring land and cost estimates to engineer, permit, and construct the projects.

Q. How did the company calculate the cost of land to be used in the calculation of the project's projected installed cost and comparison to the $1,500 cost per kW_{ac} cap in the 2017 Agreement?

A. The cost of the Wimauma Solar site is $174.52 per kW_{ac} ($13.1 million), or $26,108 per acre. This was calculated using the actual purchase price of the land.

The imputed value of the LMR Solar site is $85 per kW_{ac} ($6.3 million), or effectively $10,485 per acre. This was calculated as the net present value of future lease payments discounted at the 7.183 percentage rate updated as required by the 2017 Agreement. When this value is added to the $1,410 cost per kW_{ac} shown above, the projected installed cost of the LMR project is below the $1,500 per kW_{ac} installed cost cap in the 2017 Agreement.

Q. Are the projected installed costs shown in your exhibit eligible for cost recovery via a SoBRA pursuant to the

2017 Agreement?

A. Yes. The SoBRA mechanism in the 2017 Agreement includes a strict cost-effectiveness test and a $1,500 per kW_{ac} installed cost cap to protect customers. The projected installed costs shown in my exhibit are lower than the $1,500 per kW_{ac} installed cost cap, so the Third SoBRA projects meet the first test for cost recovery under the 2017 Agreement. Witness Aponte demonstrates that the two projects are cost-effective in his prepared direct testimony filed in this docket.

The actual installed costs will be trued up through the SoBRA mechanism once the developers complete the projects and Tampa Electric closes the work orders.

SUMMARY

Q. Please summarize your prepared direct testimony.

A. Tampa Electric is developing two single axis tracking solar PV projects for an in-service date on or before January 1, 2020. The 74.8 MW Wimauma Solar site and the 74.5 MW LMR Solar site are located in Hillsborough County, Florida. The sites are between 500 and 603 acres in size and will support the respective projects. The anticipated

cost for each project ranges from $1,410 per kW_{ac} to $1,479 per kW_{ac}. Each project qualifies for SoBRA cost recovery under the 2017 Agreement.

Q. Does this conclude your prepared direct testimony?

A. Yes, it does.

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
EXHIBIT NO. ____ (MDW-1)

EXHIBIT

OF

MARK D. WARD

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TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
EXHIBIT NO. ____ (MDW-1)
WITNESS: WARD
DOCUMENT NO. 1

Wimauma Solar Project
Specifications and Projected Costs

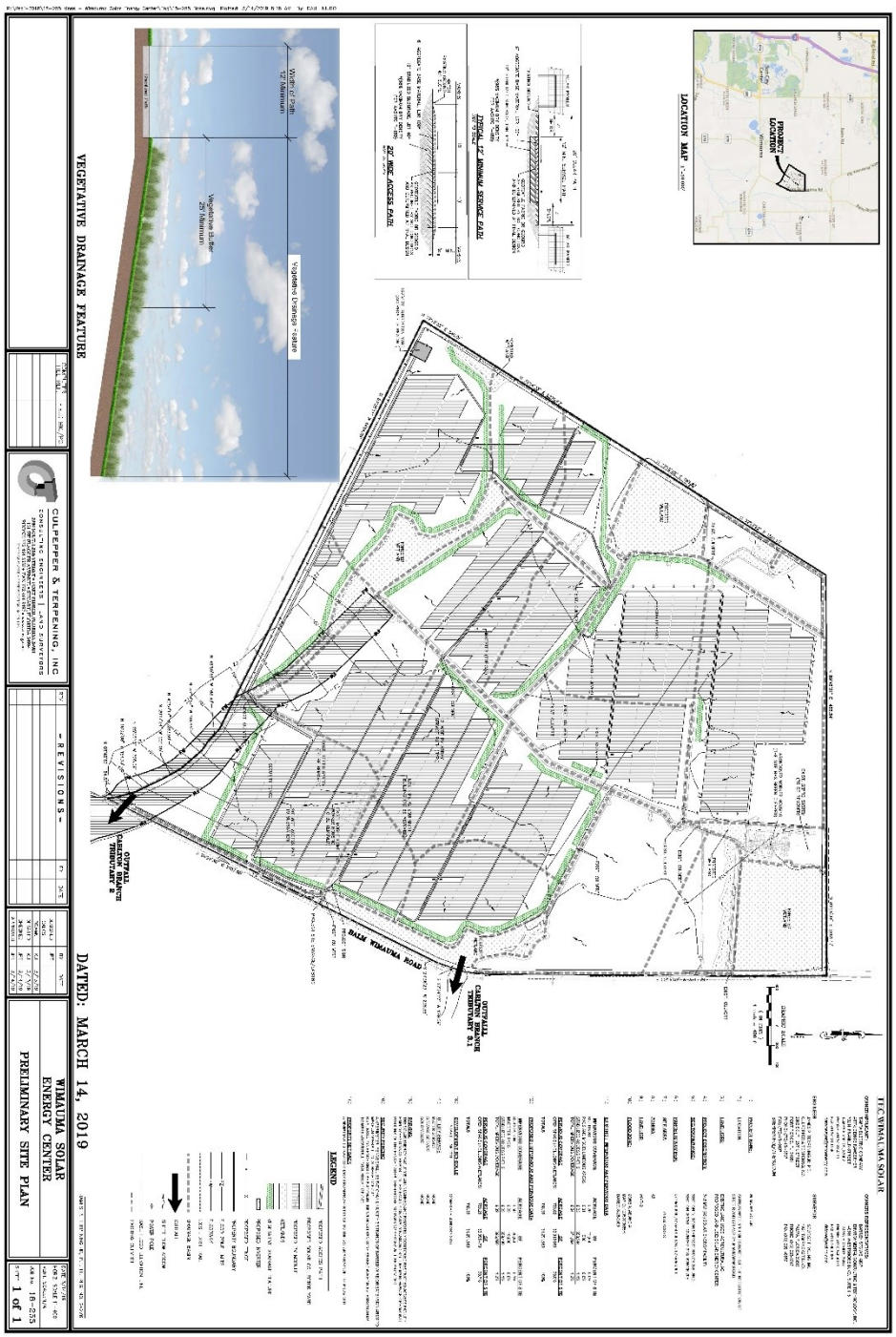
Wimauma Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities		
(1)	Plant Name and Unit Number	Wimauma Solar
(2)	Net Capability	74.8 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date [1]	October 2017
	B. Commercial In-Service Date	January 2020
(5)	Fuel	
	A. Primary Fuel	Solar
	B. Alternate Fuel	N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	500 Acres
(9)	Construction Status	Planned
(10)	Certification Status	N/A
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data	
	Planned Outage Factor (POF)	N/A
	Forced Outage Factor (FOF)	N/A
	Equivalent Availability Factor (EAF)	N/A
	Resulting Capacity Factor (2018)	27.3% (1st Full Yr Operation)
	Average Net Operating Heat Rate (ANOHR)	N/A
(13)	Projected Unit Financial Data	
	Book Life (Years)	30
	Total Installed Cost (In-Service Year $/kW) [2]	1,479
	Direct Construction Cost ($/kW)	1,446
	AFUDC Amount ($/kW) [3]	32.27
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW-yr)	5.46
	Variable O&M ($/MWh)	0.0
	K-Factor [4]	1.10

1 Construction schedule includes engineering design and permitting
2 Total installed cost includes transmission interconnection
3 Based on the current AFUDC rate of 6.46%
4 W/o land

Wimauma Solar

General Arrangement Drawing



Wimauma Solar

Projected Installed Costs ($ Million)	
Project Output (MW_{ac})	74.8
Major Equipment[1]	[redacted]
Balance of System[2]	[redacted]
Development	1.7
Transmission Interconnect	6.4
Land	13.1
Owners Costs	1.3
Total Installed Cost ($ Million)	108.2
AFUDC ($ Million)	2.4
Total All-in-Cost ($ Million)	110.6
Total ($ per kW_{ac})	1,479

[1] Major Equipment includes modules, inverters, and transformers
[2] Balance of System includes racking, posts, collection cables, EPC contractor, and project management

TAMPA ELECTRIC COMPANY
DOCKET NO. 2019_____-EI
EXHIBIT NO. ____ (MDW-1)
WITNESS: WARD
DOCUMENT NO. 2

Little Manatee River Solar Project Specifications and Projected Costs

Little Manatee River Solar

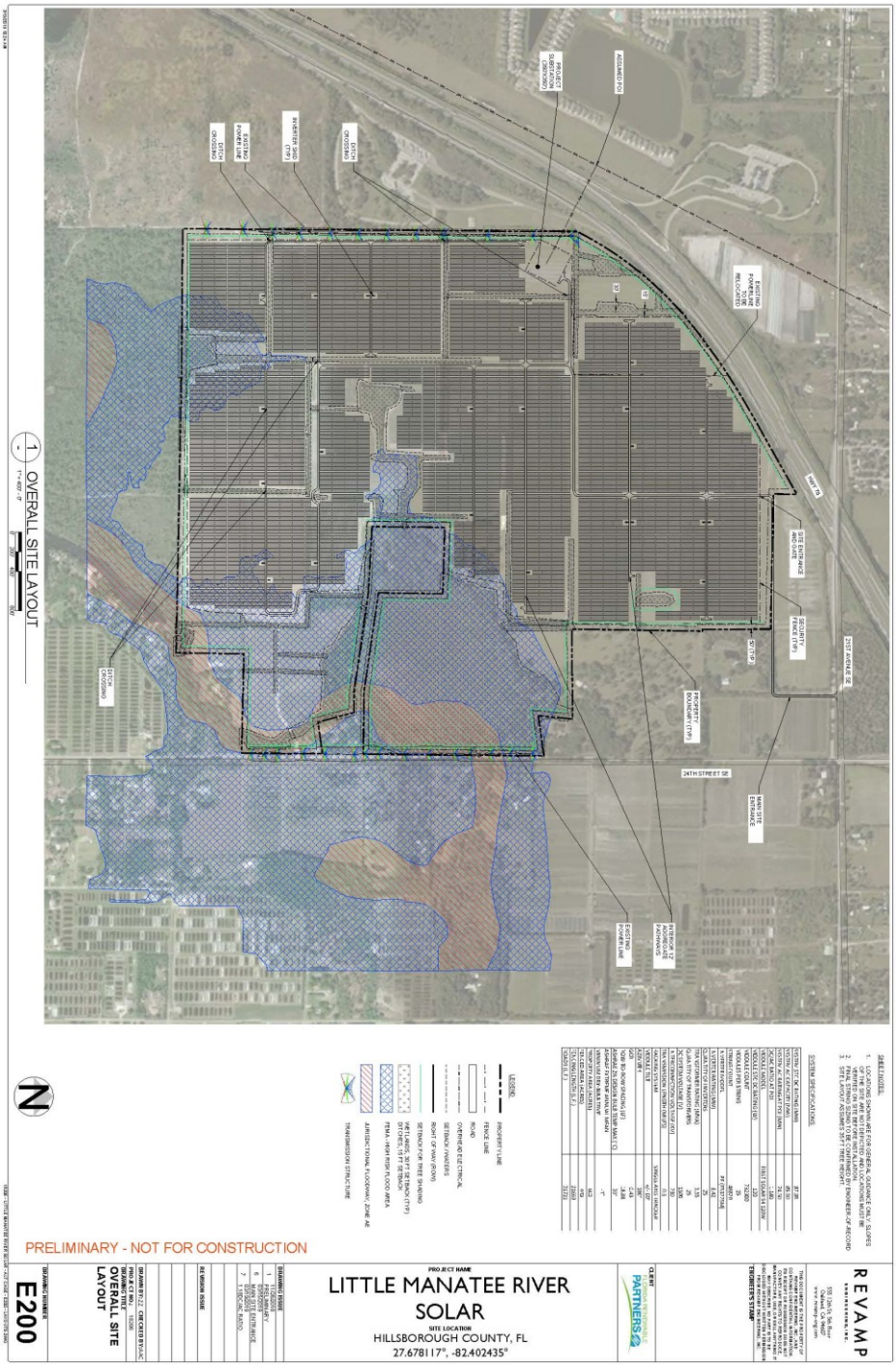
Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Little Manatee River Solar
(2)	Net Capability	74.5 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date [1]	December 2017
	B. Commercial In-Service Date	January 2020
(5)	Fuel	
	A. Primary Fuel	Solar
	B. Alternate Fuel	N/A
(6)	Air Pollution Control Strategy	N/A
(7)	Cooling Method	N/A
(8)	Total Site Area	603 Acres
(9)	Construction Status	Planned
(10)	Certification Status	N/A
(11)	Status with Federal Agencies	N/A
(12)	Projected Unit Performance Data	
	Planned Outage Factor (POF)	N/A
	Forced Outage Factor (FOF)	N/A
	Equivalent Availability Factor (EAF)	N/A
	Resulting Capacity Factor (2018)	28.6% (1st Full Yr Operation)
	Average Net Operating Heat Rate (ANOHR)	N/A
(13)	Projected Unit Financial Data	
	Book Life (Years)	30
	Total Installed Cost (In-Service Year $/kW) [2]	1,410
	Direct Construction Cost ($/kW)	1,410
	AFUDC Amount ($/kW) [3]	N/A
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW-yr) [4]	13.38
	Variable O&M ($/MWh)	0.0
	K-Factor [5]	1.17

1 Construction schedule includes engineering design and permitting
2 Total installed cost includes transmission interconnection and excludes land costs
3 Based on the current AFUDC rate of 6.46%
4 Fixed O&M cost includes land lease
5 W/o land

Little Manatee River Solar

Project General Arrangement Drawing



Little Manatee River Solar

Projected Installed Cost ($ Million)	
Project Output (MW_{ac})	74.5
Major Equipment[1]	[redacted]
Balance of System[2]	[redacted]
Development	1.8
Transmission Interconnect	9.7
Land	N/A
Owners Costs	1.2
Total Installed Cost ($ Million)	105.1
AFUDC ($ Million)	N/A
Total All-in-Cost ($ Million)	105.1
Total ($ per kW_{ac})	1,410

[1] Major Equipment includes modules, inverters, and transformers
[2] Balance of System includes racking, posts, collection cables, EPC contractor, and project management