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June 29, 2018

VIA: ELECTRONIC FILING

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

Re: Petition by Tampa Electric Company for a limited proceeding to approve Second SoBRA effective January 1, 2019

Dear Ms. Stauffer:

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

1. Tampa Electric Company's Petition for Limited Proceeding to Approve Second SoBRA Effective January 1, 2019.
2. Prepared Direct Testimony and Exhibit No. _____ (RJR-1) of R. James Rocha.
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 Second SoBRA effective January 1, 2019.	))))	DOCKET NO. 2018 _____-EI FILED: June 29, 2018

TAMPA ELECTRIC COMPANY'S PETITION FOR LIMITED PROCEEDING TO APPROVE SECOND SOBRA EFFECTIVE JANUARY 1, 2019

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 Second SoBRA, effective January 1, 2019, 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.

In this Petition, Tampa Electric seeks approval of (a) the Second SoBRA specified in subparagraph 6(b) of the 2017 Agreement and (b) the associated tariff changes necessary to implement the Second SoBRA. The Second SoBRA will provide cost recovery for five solar projects (Lithia, Grange Hall, Peace Creek, Bonnie Mine, and Lake Hancock) totaling approximately 260.3 MW that are reasonably expected to be in service on or before January 1, 2019. As explained below, these solar projects, the Second 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
Ausley McMullen
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Tallahassee, FL 32302
(850) 224-9115
(850) 222-7560

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 Second SoBRA

6. Paragraph 6 of the 2017 Agreement authorizes Tampa Electric to seek recovery through a Second SoBRA of 260.3 MW of new solar generation to be in service on or before January 1, 2019. Per the Agreement, for cost recovery purposes, the effective date of the Second SoBRA can be no earlier than January 1, 2019, and the maximum incremental annual revenue requirement of the Second SoBRA may not exceed $50,900,000. The 260.3 MW of solar

capacity for which recovery is requested in this proceeding consists of 250.0 MW, which is the 2019 annual maximum capacity, plus 5.0 MW representing the two percent variance provision applied to the 2019 annual maximum capacity, plus 5.3 MW of unused capacity from the company's First SoBRA.

7. Subparagraph 6(i) of the 2017 Agreement specifies that the Second 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 2019, 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 Second SoBRA consists of five projects. The 74.5 MW Lithia Solar Project is located in Hillsborough County, Florida on 580 acres of old orange groves. The 61.1 MW Grange Hall Solar Project is located in Hillsborough County, Florida on 447 acres of agricultural land. The 55.4 MW Peace Creek Solar Project is located in Polk County, Florida on 417 acres of agricultural land. The 37.5 MW Bonnie Mine Solar Project is located in Polk County, Florida on 352 acres of a reclaimed phosphate mine. The 49.5 MW Lake Hancock Solar Project is located in Polk County, Florida on 358 acres of agricultural land.[1] All of these projects are projected to be in service on or before January 1, 2019. The details of these projects are outlined in Appendix "A" to this Petition.

[1] Although the five projects in the Second SoBRA described above total 278 MW, only 32 MW of the Lake Handcock Project are included in the Second SoBRA, making 260.3 MW the total solar capacity included in the Second SoBRA.

13. Together, the five projects 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 five projects in the Second SoBRA are:

Project Name	**Cost/kW_{ac}**
Lithia Solar	$1,494
Grange Hall Solar	$1,437
Peace Creek Solar	$1,492
Bonnie Mine Solar	$1,464
Lake Hancock Solar	$1,494

Each of these projects is 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 Second SoBRA is $46,045,000 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 Second 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 September 1, 2018, and proposed clean tariff sheets included in Appendix "D" to this Petition.

17. This is the Second SoBRA, and actual data from the First SoBRA 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 Second 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 Second 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 Second SoBRA and set the Petition for approval of the Second 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 Second 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 2019. Accordingly, Tampa Electric respectfully requests that the final hearing be set not later than October 1, 2018, so the new and revised rates and tariffs can be implemented with the first billing cycle of January 2019.

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 Second SoBRA will be approved by January 1, 2019, 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 2019, 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 Second SoBRA for final hearing, grant this Petition, and approve the Second SoBRA and related proposed tariff sheets pursuant to Section 366.076(1), Florida Statutes.

DATED this 29th day of June, 2018.

Respectfully submitted,

JAMES D. BEASLEY
J. JEFFRY WAHLEN
Ausley McMullen
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 29th day of June, 2018 to the following:

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ATTORNEY

APPENDIX “A”

SECOND SOBRA

PROJECT SPECIFICATIONS

Lithia Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Lithia 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	June 2017
	B. Commercial In-Service Date	January 2019
(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	+580 Acres
(9)	Construction Status	In Progress
(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)	26.5 % (1st Full Yr Operation)
	Average Net Operating Heat Rate (ANOHR) [1]	N/A
(13)	Projected Unit Financial Data	
	Book Life (Years)	30
	Total Installed Cost (In-Service Year $/kW) [1]	1,494.17
	Direct Construction Cost ($/kW)	1,460.43
	AFUDC Amount ($/kW) [2]	33.74
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW – yr)	7.34
	Variable O&M ($/MWh)	0.0
	K-Factor [3]	1.12

1 Includes interconnect, AFUDC, land, w/o incentive
2 Based on the current AFUDC rate of 6.46%
3 W/o land

Grange Hall Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Grange Hall Solar
(2)	Net Capability	61.1 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date	June 2017
	B. Commercial In-Service Date	January 2019
(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	+447 Acres
(9)	Construction Status	In Progress
(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)	26.06 % (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 $/kW) [1]	1,437.52
	Direct Construction Cost ($/kW)	1,420.87
	AFUDC Amount ($/kW) [2]	16.64
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW – yr)	7.34
	Variable O&M ($/MWh)	0.0
	K-Factor [3]	1.12

1 Includes interconnect, AFUDC, land w/o incentive
2 Based on the current AFUDC rate of 6.46%
3 W/o land

Peace Creek Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Peace Creek Solar
(2)	Net Capability	55.4 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date	September 2017
	B. Commercial In-Service Date	January 2019
(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	+417 Acres
(9)	Construction Status	In Progress
(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)	26.27 % (1st Full Yr Operation)
	Average Net Operating Heat Rate (ANOHR) [1]	N/A
(13)	Projected Unit Financial Data	
	Book Life (Years)	30
	Total Installed Cost (In-Service Year $/kW) [1]	1,491.62
	Direct Construction Cost ($/kW)	1,466.99
	AFUDC Amount ($/kW) [2]	24.62
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW – yr)	7.34
	Variable O&M ($/MWh)	0.0
	K-Factor [3]	1.12

1 Includes interconnect, AFUDC, land, w/o incentive
2 Based on the current AFUDC rate of 6.46%
3 W/o land

Bonnie Mine Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Bonnie Mine Solar
(2)	Net Capability	37.5 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date	November 2017
	B. Commercial In-Service Date	January 2019
(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	+352 Acres
(9)	Construction Status	In Progress
(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)	27.2% (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 $/kW) [1]	1,464.15
	Direct Construction Cost ($/kW)	1,442.28
	AFUDC Amount ($/kW) [2]	21.87
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW – yr)	7.52
	Variable O&M ($/MWh)	0.0
	K-Factor [3]	1.12

1 Includes interconnect, AFUDC, land w/o incentive
2 Based on the current AFUDC rate of 6.46%
3 W/o land

Lake Hancock Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Lake Hancock Solar
(2)	Net Capability	49.5 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date	January 2018
	B. Commercial In-Service Date	January 2019
(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	+358 Acres
(9)	Construction Status	In Progress
(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)	26.27% (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 $/kW) [1]	1,494.23
	Direct Construction Cost ($/kW)	1,494.23
	AFUDC Amount ($/kW) [2]	N/A
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW – yr)	7.70
	Variable O&M ($/MWh)	0.0
	K-Factor [3]	1.12

1 Includes interconnect, AFUDC, land w/o incentive
2 Based on the current AFUDC rate of 6.46%
3 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 12/31/2018

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-EI

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	$ 20.02	$ 2.82	$ 0.25	$ 0.07	$ 0.34	$ 0.60	$ 24.09	$ 20.27	$ 2.70	$ 0.25	$ 0.07	$ 0.34	$ 0.61	$ 24.22	$ 0.13	0.5%	24.09	24.22
4																				
5	0	250	$ 27.36	$ 7.05	$ 0.62	$ 0.17	$ 0.86	$ 0.92	$ 36.97	$ 27.98	$ 6.74	$ 0.62	$ 0.17	$ 0.86	$ 0.93	$ 37.29	$ 0.32	0.9%	14.79	14.92
6																				
7	0	500	$ 39.60	$ 14.09	$ 1.23	$ 0.33	$ 1.72	$ 1.46	$ 58.43	$ 40.84	$ 13.48	$ 1.23	$ 0.33	$ 1.72	$ 1.48	$ 59.07	$ 0.64	1.1%	11.69	11.81
8																				
9	0	750	$ 51.84	$ 21.14	$ 1.85	$ 0.50	$ 2.57	$ 2.00	$ 79.89	$ 53.69	$ 20.22	$ 1.85	$ 0.50	$ 2.57	$ 2.02	$ 80.85	$ 0.96	1.2%	10.65	10.78
10																				
11	0	1,000	$ 64.08	$ 28.18	$ 2.46	$ 0.66	$ 3.43	$ 2.53	$ 101.35	$ 66.55	$ 26.96	$ 2.46	$ 0.66	$ 3.43	$ 2.57	$ 102.63	$ 1.28	1.3%	10.13	10.26
12																				
13	0	1,250	$ 78.60	$ 37.73	$ 3.08	$ 0.83	$ 4.29	$ 3.19	$ 127.70	$ 81.91	$ 36.20	$ 3.08	$ 0.83	$ 4.29	$ 3.24	$ 129.53	$ 1.83	1.4%	10.22	10.36
14																				
15	0	1,500	$ 93.11	$ 47.27	$ 3.69	$ 0.99	$ 5.15	$ 3.85	$ 154.06	$ 97.26	$ 45.44	$ 3.69	$ 0.99	$ 5.15	$ 3.91	$ 156.44	$ 2.38	1.5%	10.27	10.43
16																				
17	0	2,000	$ 122.14	$ 66.36	$ 4.92	$ 1.32	$ 6.86	$ 5.17	$ 206.77	$ 127.98	$ 63.92	$ 4.92	$ 1.32	$ 6.86	$ 5.26	$ 210.25	$ 3.48	1.7%	10.34	10.51
18																				
19	0	3,000	$ 180.20	$ 104.54	$ 7.38	$ 1.98	$ 10.29	$ 7.80	$ 312.20	$ 189.41	$ 100.88	$ 7.38	$ 1.98	$ 10.29	$ 7.95	$ 317.88	$ 5.69	1.8%	10.41	10.60
20																				
21	0	5,000	$ 296.32	$ 180.90	$ 12.30	$ 3.30	$ 17.15	$ 13.08	$ 523.05	$ 312.26	$ 174.80	$ 12.30	$ 3.30	$ 17.15	$ 13.33	$ 533.14	$ 10.09	1.9%	10.46	10.66
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	4.896	¢/kWH	5.143	¢/kWH
29 Over 1,000 KWH	5.806	¢/kWH	6.143	¢/kWH
30 FUEL CHARGE				
31 0 - 1,000 KWH	2.818	¢/kWH	2.696	¢/kWH
32 Over 1,000 KWH	3.818	¢/kWH	3.696	¢/kWH
33 CONSERVATION CHARGE	0.246	¢/kWH	0.246	¢/kWH
34 CAPACITY CHARGE	0.066	¢/kWH	0.066	¢/kWH
35 ENVIRONMENTAL CHARGE	0.343	¢/kWH	0.343	¢/kWH
36				
37				

38 Note: Cost recovery clause factors for PRESENT are the current 2018 factors. 2019 fuel clause factors for PROPOSED bills above includes the full year fuel benefits of First SoBRA and Second SoBRA.

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 12/31/2018

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-EI

GS - GENERAL SERVICE NON-DEMAND

RATE SCHEDULE GS

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	0	-	$ 18.14	$ -	$ -	$ -	$ -	$ 0.47	$ 18.61	$ 18.14	$ -	$ -	$ -	$ -	$ 0.47	$ 18.61	$ -	0.0%	-	-
2																				
3	0	100	$ 23.31	$ 3.13	$ 0.23	$ 0.06	$ 0.34	$ 0.69	$ 27.77	$ 23.56	$ 3.01	$ 0.23	$ 0.06	$ 0.34	$ 0.70	$ 27.90	$ 0.13	0.5%	27.77	27.90
4																				
5	0	250	$ 31.06	$ 7.83	$ 0.58	$ 0.15	$ 0.86	$ 1.04	$ 41.51	$ 31.68	$ 7.53	$ 0.58	$ 0.15	$ 0.86	$ 1.05	$ 41.83	$ 0.32	0.8%	16.60	16.73
6																				
7	0	500	$ 43.97	$ 15.66	$ 1.16	$ 0.30	$ 1.72	$ 1.61	$ 64.42	$ 45.21	$ 15.05	$ 1.16	$ 0.30	$ 1.72	$ 1.63	$ 65.06	$ 0.64	1.0%	12.88	13.01
8																				
9	0	750	$ 56.88	$ 23.49	$ 1.74	$ 0.45	$ 2.57	$ 2.18	$ 87.32	$ 58.74	$ 22.58	$ 1.74	$ 0.45	$ 2.57	$ 2.21	$ 88.28	$ 0.97	1.1%	11.64	11.77
10																				
11	0	1,000	$ 69.80	$ 31.32	$ 2.32	$ 0.60	$ 3.43	$ 2.76	$ 110.22	$ 72.27	$ 30.10	$ 2.32	$ 0.60	$ 3.43	$ 2.79	$ 111.51	$ 1.29	1.2%	11.02	11.15
12																				
13	0	1,250	$ 82.71	$ 39.15	$ 2.90	$ 0.75	$ 4.29	$ 3.33	$ 133.12	$ 85.80	$ 37.63	$ 2.90	$ 0.75	$ 4.29	$ 3.37	$ 134.73	$ 1.61	1.2%	10.65	10.78
14																				
15	0	1,500	$ 95.62	$ 46.98	$ 3.48	$ 0.90	$ 5.15	$ 3.90	$ 156.03	$ 99.34	$ 45.15	$ 3.48	$ 0.90	$ 5.15	$ 3.95	$ 157.96	$ 1.93	1.2%	10.40	10.53
16																				
17	0	2,000	$ 121.45	$ 62.64	$ 4.64	$ 1.20	$ 6.86	$ 5.05	$ 201.83	$ 126.40	$ 60.20	$ 4.64	$ 1.20	$ 6.86	$ 5.11	$ 204.41	$ 2.58	1.3%	10.09	10.22
18																				
19	0	3,000	$ 173.10	$ 93.96	$ 6.96	$ 1.80	$ 10.29	$ 7.34	$ 293.44	$ 180.53	$ 90.30	$ 6.96	$ 1.80	$ 10.29	$ 7.43	$ 297.31	$ 3.87	1.3%	9.78	9.91
20																				
21	0	5,000	$ 276.40	$ 156.60	$ 11.60	$ 3.00	$ 17.15	$ 11.92	$ 476.67	$ 288.78	$ 150.50	$ 11.60	$ 3.00	$ 17.15	$ 12.08	$ 483.11	$ 6.44	1.4%	9.53	9.66
22																				
23	0	8,500	$ 457.18	$ 266.22	$ 19.72	$ 5.10	$ 29.16	$ 19.93	$ 797.31	$ 478.23	$ 255.85	$ 19.72	$ 5.10	$ 29.16	$ 20.21	$ 808.26	$ 10.95	1.4%	9.38	9.51

	PRESENT	PROPOSED
CUSTOMER CHARGE	18.14 $/Bill	18.14 $/Bill
ENERGY CHARGE	5.165 ¢/kWH	5.413 ¢/kWH
FUEL CHARGE	3.132 ¢/kWH	3.010 ¢/kWH
CONSERVATION CHARGE	0.232 ¢/kWH	0.232 ¢/kWH
CAPACITY CHARGE	0.060 ¢/kWH	0.060 ¢/kWH
ENVIRONMENTAL CHARGE	0.343 ¢/kWH	0.343 ¢/kWH

Note: Cost recovery clause factors for PRESENT are the current 2018 factors. 2019 fuel clause factors for PROPOSED bills above includes the full year fuel benefits of First SoBRA and Second SoBRA.

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 12/31/2018

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-EI

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	$ 708.99	$ 342.95	$ 22.01	$ 5.15	$ 37.45	$ 28.63	$ 1,145.18	$ 741.45	$ 329.60	$ 22.01	$ 5.15	$ 37.45	$ 29.12	$ 1,164.77	$ 19.59	1.7%	10.46	10.64
2	75	19,163	$ 1,066.33	$ 600.17	$ 65.25	$ 15.00	$ 65.54	$ 46.47	$ 1,858.75	$ 1,129.59	$ 576.79	$ 65.25	$ 15.00	$ 65.54	$ 47.49	$ 1,899.66	$ 40.91	2.2%	9.70	9.91
3	75	32,850	$ 1,284.78	$ 1,028.86	$ 65.25	$ 15.00	$ 112.35	$ 64.26	$ 2,570.51	$ 1,348.05	$ 988.79	$ 65.25	$ 15.00	$ 112.35	$ 64.86	$ 2,594.29	$ 23.78	0.9%	7.82	7.90
4	75	49,275	$ 1,505.33	$ 1,536.27	$ 65.25	$ 15.00	$ 168.52	$ 84.37	$ 3,374.74	$ 1,568.18	$ 1,473.32	$ 65.25	$ 15.00	$ 168.52	$ 84.37	$ 3,374.64	$ (0.11)	0.0%	6.85	6.85
5																				
6	500	73,000	$ 4,555.21	$ 2,286.36	$ 146.73	$ 34.31	$ 249.66	$ 186.47	$ 7,458.74	$ 4,771.60	$ 2,197.30	$ 146.73	$ 34.31	$ 249.66	$ 189.73	$ 7,589.33	$ 130.59	1.8%	10.22	10.40
7	500	127,750	$ 6,937.44	$ 4,001.13	$ 435.00	$ 100.00	$ 436.91	$ 305.40	$ 12,215.87	$ 7,359.20	$ 3,845.28	$ 435.00	$ 100.00	$ 436.91	$ 312.21	$ 12,488.60	$ 272.73	2.2%	9.56	9.78
8	500	219,000	$ 8,393.83	$ 6,859.08	$ 435.00	$ 100.00	$ 748.98	$ 424.02	$ 16,960.92	$ 8,815.60	$ 6,591.90	$ 435.00	$ 100.00	$ 748.98	$ 427.99	$ 17,119.47	$ 158.55	0.9%	7.74	7.82
9	500	328,500	$ 9,864.14	$ 10,241.81	$ 435.00	$ 100.00	$ 1,123.47	$ 558.06	$ 22,322.48	$ 10,283.11	$ 9,822.15	$ 435.00	$ 100.00	$ 1,123.47	$ 558.04	$ 22,321.78	$ (0.70)	0.0%	6.80	6.80
10																				
11	2000	292,000	$ 18,130.10	$ 9,145.44	$ 586.92	$ 137.24	$ 998.64	$ 743.55	$ 29,741.88	$ 18,995.65	$ 8,789.20	$ 586.92	$ 137.24	$ 998.64	$ 756.61	$ 30,264.25	$ 522.37	1.8%	10.19	10.36
12	2000	511,000	$ 27,659.00	$ 16,004.52	$ 1,740.00	$ 400.00	$ 1,747.62	$ 1,219.26	$ 48,770.40	$ 29,346.07	$ 15,381.10	$ 1,740.00	$ 400.00	$ 1,747.62	$ 1,246.53	$ 49,861.33	$ 1,090.92	2.2%	9.54	9.76
13	2000	876,000	$ 33,484.59	$ 27,436.32	$ 1,740.00	$ 400.00	$ 2,995.92	$ 1,693.76	$ 67,750.60	$ 35,171.66	$ 26,367.60	$ 1,740.00	$ 400.00	$ 2,995.92	$ 1,709.62	$ 68,384.80	$ 634.21	0.9%	7.73	7.81
14	2000	1,314,000	$ 39,365.82	$ 40,967.24	$ 1,740.00	$ 400.00	$ 4,493.88	$ 2,229.92	$ 89,196.85	$ 41,041.72	$ 39,288.60	$ 1,740.00	$ 400.00	$ 4,493.88	$ 2,229.85	$ 89,194.05	$ (2.80)	0.0%	6.79	6.79
15																				
16																				

	PRESENT					PROPOSED				
	GSD	GSDT		GSD OPT.		GSD	GSDT		GSD OPT.	
CUSTOMER CHARGE	30.25	30.25	$/Bill	30.25	$/Bill	30.25	30.25		30.25	$/Bill
DEMAND CHARGE	9.74	-	$/KW	-	$/KW	10.58	-	$/KW	-	$/KW
BILLING	-	3.28	$/KW	-	$/KW	-	3.57	$/KW	-	$/KW
PEAK	-	6.45	$/KW	-	$/KW	-	7.01	$/KW	-	$/KW
ENERGY CHARGE	1.596	-	¢/KWH	6.199	¢/KWH	1.596	-	¢/KWH	6.495	¢/KWH
ON-PEAK	-	2.922	¢/KWH	-	¢/KWH	-	2.922	¢/KWH	-	¢/KWH
OFF-PEAK	-	1.055	¢/KWH	-	¢/KWH	-	1.055	¢/KWH	-	¢/KWH
FUEL CHARGE	3.132	-	¢/KWH	3.132	¢/KWH	3.010	-	¢/KWH	3.010	¢/KWH
ON-PEAK		3.330	¢/KWH	-	¢/KWH		3.200	¢/KWH	-	¢/KWH
OFF-PEAK		3.047	¢/KWH	-	¢/KWH		2.920	¢/KWH	-	¢/KWH
CONSERVATION CHARGE	0.87	0.87	$/KW	0.201	¢/KWH	0.87	0.87	$/KW	0.201	¢/KWH
CAPACITY CHARGE	0.20	0.20	$/KW	0.047	¢/KWH	0.20	0.20	$/KW	0.047	¢/KWH
ENVIRONMENTAL CHARGE	0.342	0.342	¢/KWH	0.342	¢/KWH	0.342	0.342	¢/KWH	0.342	¢/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. Cost recovery clause factors for PRESENT are the current 2018 factors. 2019 fuel clause factors for PROPOSED bills above includes the full year fuel benefits of First SoBRA and Second SoBRA.

SCHEDULE A-2 | FULL REVENUE REQUIREMENTS BILL COMPARISON - TYPICAL MONTHLY BILLS | Page 4 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 12/31/2018

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-EI

IS - INTERRUPTIBLE SERVICE

RATE SCHEDULE IS-1

			BILL UNDER PRESENT RATES								BILL UNDER PROPOSED RATES								INCREASE		COSTS IN CENTS/KWH	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
Line	TYPICAL		BASE	CCV	FUEL	ECCR	CAPACITY	ECRC	GRT	TOTAL	BASE	CCV	FUEL	ECCR	CAPACITY	ECRC	GRT	TOTAL	DOLLARS	PERCENT	PRESENT	FINAL
No.	KW	KWH	RATE	CREDIT	CHARGE	CHARGE	CHARGE	CHARGE	CHARGE		RATE	CREDIT	CHARGE	CHARGE	CHARGE	CHARGE	CHARGE		(16)-(9)	(17)/(9)	(9)/(2)*100	(16)/(2)*100
1	500	127,750	$ 4,848	$ (1,772.75)	$ 3,961.53	$ 335.00	$ 70.00	$ 425.79	$ 202	$ 8,069	$ 5,402	$ (1,772.75)	$ 3,806.95	$ 335.00	$ 70.00	$ 425.41	$ 211.96	$ 8,478.29	$ 409	5.1%	6.32	6.64
2	500	219,000	$ 7,151	$ (3,039.00)	$ 6,791.19	$ 335.00	$ 70.00	$ 729.93	$ 309	$ 12,347	$ 7,705	$ (3,039.00)	$ 6,526.20	$ 335.00	$ 70.00	$ 729.27	$ 316.06	$ 12,642.59	$ 295	2.4%	5.64	5.77
3	500	328,500	$ 9,915	$ (4,558.50)	$ 10,140.80	$ 335.00	$ 70.00	$ 1,093.91	$ 436	$ 17,432	$ 10,469	$ (4,558.50)	$ 9,746.60	$ 335.00	$ 70.00	$ 1,093.91	$ 439.90	$ 17,595.95	$ 163	0.9%	5.31	5.36
4																						
5	1,000	255,500	$ 9,069	$ (3,545.50)	$ 7,923.06	$ 670.00	$ 140.00	$ 851.58	$ 387	$ 15,496	$ 10,176	$ (3,545.50)	$ 7,613.90	$ 670.00	$ 140.00	$ 850.82	$ 407.84	$ 16,313.44	$ 818	5.3%	6.06	6.38
6	1,000	438,000	$ 13,676	$ (6,078.00)	$ 13,582.38	$ 670.00	$ 140.00	$ 1,459.85	$ 601	$ 24,051	$ 14,783	$ (6,078.00)	$ 13,052.40	$ 670.00	$ 140.00	$ 1,458.54	$ 616.05	$ 24,642.05	$ 591	2.5%	5.49	5.63
7	1,000	657,000	$ 19,204	$ (9,117.00)	$ 20,281.59	$ 670.00	$ 140.00	$ 2,187.81	$ 856	$ 34,222	$ 20,311	$ (9,117.00)	$ 19,493.19	$ 670.00	$ 140.00	$ 2,187.81	$ 863.72	$ 34,548.78	$ 327	1.0%	5.21	5.26
8																						
9	5,000	1,277,500	$ 42,838	$ (17,727.50)	$ 39,615.28	$ 3,350.00	$ 700.00	$ 4,257.91	$ 1,873	$ 74,906	$ 48,374	$ (17,727.50)	$ 38,069.50	$ 3,350.00	$ 700.00	$ 4,254.08	$ 1,974.86	$ 78,994.66	$ 4,089	5.5%	5.86	6.18
10	5,000	2,190,000	$ 65,871	$ (30,390.00)	$ 67,911.90	$ 3,350.00	$ 700.00	$ 7,299.27	$ 2,942	$ 117,684	$ 71,407	$ (30,390.00)	$ 65,262.00	$ 3,350.00	$ 700.00	$ 7,292.70	$ 3,015.94	$ 120,637.70	$ 2,953	2.5%	5.37	5.51
11	5,000	3,285,000	$ 93,511	$ (45,585.00)	$ 101,407.95	$ 3,350.00	$ 700.00	$ 10,939.05	$ 4,213	$ 168,536	$ 99,047	$ (45,585.00)	$ 97,465.95	$ 3,350.00	$ 700.00	$ 10,939.05	$ 4,254.28	$ 170,171.34	$ 1,635	1.0%	5.13	5.18
12																						

		PRESENT			PROPOSED		
13							
14		IS	IST		IS	IST	
15	CUSTOMER CHARGE	627.06	627.06	$/Bill	627.06	627.06	$/Bill
16	DEMAND CHARGE	1.99	1.99	$/KW	3.10	3.10	$/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	3.101	-	¢/kWH	2.980	-	¢/kWH
22	ON-PEAK	-	3.297	¢/kWH	-	3.168	¢/kWH
23	OFF-PEAK	-	3.017	¢/kWH	-	2.900	¢/kWH
24	CONSERVATION CHARGE	0.67	0.67	$/KW	0.67	0.67	$/KW
25	CAPACITY CHARGE	0.14	0.14	$/KW	0.14	0.14	$/KW
26	ENVIRONMENTAL CHARGE	0.333	0.333	¢/kWH	0.333	0.333	¢/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. Cost recovery clause factors for PRESENT are the current 2018 factors. 2019 fuel clause factors for PROPOSED bills above includes the full year fuel benefits of First SoBRA and Second SoBRA.

37 G. The present GSLM-2 Contract Credit Value represents the 2018 factor. The proposed GSLM-2 Contract Credit Value for 2018 is the same.

38

39

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	~~4.896~~5.143¢ per kWh
All additional kWh	~~5.806~~6.143¢ 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.~~165~~413¢ 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.~~156~~164¢ 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	$ 30.25	Secondary Metering Voltage	$ 30.25
Primary Metering Voltage	$ 131.06	Primary Metering Voltage	$ 131.06
Subtrans. Metering Voltage	$ 998.05	Subtrans. Metering Voltage	$ 998.05
Demand Charge:		Demand Charge:	
$~~9.74~~10.58 per kW of billing demand		$0.00 per kW of billing demand	
Energy Charge:		Energy Charge:	
1.596¢ per kWh		6.~~199~~495¢ 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 ~~79~~86¢ per kW of billing demand will apply. A discount of $2.~~45~~66 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.~~209~~227¢ per kWh will apply. A discount of 0.~~639~~694¢ 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 ~~63~~68¢ per kW of billing demand for customers taking service under the standard rate and 0.~~158~~172¢/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	$ 627.06
Subtransmission Metering Voltage	$2,391.29

Demand Charge:

$~~1.99~~3.10 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 ~~55~~85¢ per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~78~~1.22¢ 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.~~165~~413¢ 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:
~~13.183~~14.965¢ per kWh during peak hours
~~1.406~~2.109¢ 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.~~156~~164¢ 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	$ 30.25
Primary Metering Voltage	$ 131.06
Subtransmission Metering Voltage	$ 998.05

Demand Charge:

$3.~~28~~ 57 per kW of billing demand, plus
$~~6.45~~7.01 per kW of peak billing demand

Energy Charge:

2.922¢ per kWh during peak hours
1.055¢ 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 ~~79~~86¢ per kW of billing demand will apply. When the customer takes service at subtransmission or higher voltage, a discount of $2.~~45~~ 66 per kW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~63~~68¢ 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	$ 627.06
Subtransmission Metering Voltage	$2,391.29

Demand Charge:
$~~1.99~~3.10 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 ~~55~~85¢ per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~78~~1.22¢ 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.~~182~~457¢ 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:

$~~9.74~~10.58 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 ~~79~~86¢ 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.~~45~~ 66 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 ~~63~~68¢ 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.~~28~~57	per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus
$~~6.45~~7.01	per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing Demand Charge)

Energy Charge:

2.922¢	per Supplemental kWh during peak hours
1.055¢	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 ~~79~~86¢ 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.~~45~~ 66 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 ~~63~~68¢ 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	$652.26
Subtransmission Metering Voltage	$2,416.50

Demand Charge:

$~~1.99~~3.10 per KW-Month of Supplemental Demand (Supplemental Demand Charge)
$1.47 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 ~~55~~85¢ 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 ~~78~~1.22¢ 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	0.55	0.27
802	862	Cobra/Nema[1]	6,300	70	29	14	3.20	2.11	0.79	0.38
803	863	Cobra/Nema[1]	9,500	100	44	22	3.63	2.33	1.20	0.60
804	864	Cobra[1]	16,000	150	66	33	4.18	2.02	1.80	0.90
805	865	Cobra[1]	28,500	250	105	52	4.87	2.60	2.86	1.42
806	866	Cobra[1]	50,000	400	163	81	5.09	2.99	4.45	2.21
468	454	Flood[1]	28,500	250	105	52	5.37	2.60	2.86	1.42
478	484	Flood[1]	50,000	400	163	81	5.71	3.00	4.45	2.21
809	869	Mongoose[1]	50,000	400	163	81	6.50	3.02	4.45	2.21
509	508	Post Top (PT)[1]	4,000	50	20	10	3.98	2.48	0.55	0.27
570	530	Classic PT[1]	9,500	100	44	22	11.85	1.89	1.20	0.60
810	870	Coach PT[1]	6,300	70	29	14	4.71	2.11	0.79	0.38
572	532	Colonial PT[1]	9,500	100	44	22	11.75	1.89	1.20	0.60
573	533	Salem PT[1]	9,500	100	44	22	9.03	1.89	1.20	0.60
550	534	Shoebox[1]	9,500	100	44	22	8.01	1.89	1.20	0.60
566	536	Shoebox[1]	28,500	250	105	52	8.69	3.18	2.86	1.42
552	538	Shoebox[1]	50,000	400	163	81	9.52	2.44	4.45	2.21

[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.~~494~~509¢ per kWh for each fixture.

Continued to Sheet No. 6.806

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

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	3.76	1.88
520	522	Cobra[1]	32,000	400	159	79	6.03	4.01	4.34	2.15
705	725	Flood[1]	29,700	350	138	69	8.55	5.04	3.76	1.88
556	541	Flood[1]	32,000	400	159	79	8.36	4.02	4.34	2.15
558	578	Flood[1]	107,800	1,000	383	191	10.50	8.17	10.44	5.21
701	721	General PT[1]	12,000	150	67	34	10.60	3.92	1.83	0.93
574	548	General PT[1]	14,400	175	74	37	10.89	3.73	2.02	1.01
700	720	Salem PT[1]	12,000	150	67	34	9.33	3.92	1.83	0.93
575	568	Salem PT[1]	14,400	175	74	37	9.38	3.74	2.02	1.01
702	722	Shoebox[1]	12,000	150	67	34	7.22	3.92	1.83	0.93
564	549	Shoebox[1]	12,800	175	74	37	7.95	3.70	2.02	1.01
703	723	Shoebox[1]	29,700	350	138	69	9.55	4.93	3.76	1.88
554	540	Shoebox[1]	32,000	400	159	79	10.02	3.97	4.34	2.15
576	577	Shoebox[1]	107,800	1,000	383	191	16.50	8.17	10.44	5.21

[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.~~494~~509¢ per kWh for each fixture.

Continued to Sheet No. 6.808

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

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	0.55	0.27
820	840	Roadway [1]	7,577	103	36	18	11.15	1.19	0.98	0.49
821	841	Roadway[1]	8,300	106	37	19	11.15	1.20	1.01	0.52
829	849	Roadway[1]	15,285	157	55	27	11.10	2.26	1.50	0.74
822	842	Roadway[1]	15,300	196	69	34	14.58	1.26	1.88	0.93
823	843	Roadway[1]	14,831	206	72	36	16.80	1.38	1.96	0.98
835	855	Post Top[1]	5,176	60	21	11	16.53	2.28	0.57	0.30
824	844	Post Top[1]	3,974	67	24	12	19.67	1.54	0.65	0.33
825	845	Post Top[1]	6,030	99	35	17	20.51	1.56	0.95	0.46
836	856	Post Top[1]	7,360	100	35	18	16.70	2.28	0.95	0.49
830	850	Area-Lighter[1]	14,100	152	53	27	14.85	2.51	1.45	0.74
826	846	Area-Lighter[1]	13,620	202	71	35	19.10	1.41	1.94	0.95
827	847	Area-Lighter[1]	21,197	309	108	54	20.60	1.55	2.95	1.47
831	851	Flood[1]	22,122	238	83	42	15.90	3.45	2.26	1.15
832	852	Flood[1]	32,087	359	126	63	19.16	4.10	3.44	1.72
833	853	Mongoose[1]	24,140	245	86	43	14.71	3.04	2.35	1.17
834	854	Mongoose[1]	32,093	328	115	57	16.31	3.60	3.14	1.55

[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.~~494~~509¢ 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		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	0.25	0.14
914		Roadway	5,392	47	16		5.97	1.74	0.44	
921		Roadway/Area	8,500	88	31		8.97	1.74	0.85	
926	982	Roadway	12,414	105	37	18	6.83	1.19	1.01	0.49
932		Roadway/Area	15,742	133	47		14.15	1.38	1.28	
935		Area-Lighter	16,113	143	50		11.74	1.41	1.36	
937		Roadway	16,251	145	51		8.61	2.26	1.39	
941	983	Roadway	22,233	182	64	32	11.81	2.51	1.75	0.87
945		Area-Lighter	29,533	247	86		16.07	2.51	2.35	
947	984	Area-Lighter	33,600	330	116	58	20.13	1.55	3.16	1.58
951	985	Flood	23,067	199	70	35	11.12	3.45	1.91	0.95
953	986	Flood	33,113	255	89	45	21.48	4.10	2.43	1.23
956	987	Mongoose	23,563	225	79	39	11.78	3.04	2.15	1.06
958		Mongoose	34,937	333	117		17.84	3.60	3.19	
965		Granville Post Top (PT)	3,024	26	9		5.80	2.28	0.25	
967	988	Granville PT	4,990	39	14	7	13.35	2.28	0.38	0.19
968	989	Granville PT Enh[4]	4,476	39	14	7	15.35	2.28	0.38	0.19
971		Salem PT	5,240	55	19		10.95	1.54	0.52	
972		Granville PT	7,076	60	21		14.62	2.28	0.57	
973		Granville PT Enh[4]	6,347	60	21		16.62	2.28	0.57	
975	990	Salem PT	7,188	76	27	13	13.17	1.54	0.74	.35

[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.~~494~~509¢ 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.~~494~~509¢ 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	5.143¢ per kWh
All additional kWh	6.143¢ 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:
5.413¢ 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¢ 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	$ 30.25	Secondary Metering Voltage	$ 30.25
Primary Metering Voltage	$ 131.06	Primary Metering Voltage	$ 131.06
Subtrans. Metering Voltage	$ 998.05	Subtrans. Metering Voltage	$ 998.05
Demand Charge:		Demand Charge:	
$10.58 per kW of billing demand		$0.00 per kW of billing demand	
Energy Charge:		Energy Charge:	
1.596¢ per kWh		6.495¢ 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¢ per kW of billing demand will apply. A discount of $2.66 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 0.227¢ per kWh will apply. A discount of 0.694¢ 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¢ per kW of billing demand for customers taking service under the standard rate and 0.172¢/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	$ 627.06
Subtransmission Metering Voltage	$2,391.29

Demand Charge:
$3.10 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¢ 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¢ 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: 5.413¢ 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:
14.965¢ per kWh during peak hours
2.109¢ 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¢ 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	$ 30.25
Primary Metering Voltage	$ 131.06
Subtransmission Metering Voltage	$ 998.05

Demand Charge:
$3.57 per kW of billing demand, plus
$7.01 per kW of peak billing demand

Energy Charge:
2.922¢ per kWh during peak hours
1.055¢ 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¢ per kW of billing demand will apply. When the customer takes service at subtransmission or higher voltage, a discount of $2.66 per kW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 68¢ 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	$ 627.06
Subtransmission Metering Voltage	$2,391.29

Demand Charge:
$3.10 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¢ 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¢ 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: 5.457¢ 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:
$10.58 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¢ 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 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¢ 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	per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus
$7.01	per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing Demand Charge)

Energy Charge:

2.922¢	per Supplemental kWh during peak hours
1.055¢	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¢ 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 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¢ 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	$652.26
Subtransmission Metering Voltage	$2,416.50

Demand Charge:

$3.10 per KW-Month of Supplemental Demand (Supplemental Demand Charge)
$1.47 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¢ 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¢ 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	0.55	0.27
802	862	Cobra/Nema[1]	6,300	70	29	14	3.20	2.11	0.79	0.38
803	863	Cobra/Nema[1]	9,500	100	44	22	3.63	2.33	1.20	0.60
804	864	Cobra[1]	16,000	150	66	33	4.18	2.02	1.80	0.90
805	865	Cobra[1]	28,500	250	105	52	4.87	2.60	2.86	1.42
806	866	Cobra[1]	50,000	400	163	81	5.09	2.99	4.45	2.21
468	454	Flood[1]	28,500	250	105	52	5.37	2.60	2.86	1.42
478	484	Flood[1]	50,000	400	163	81	5.71	3.00	4.45	2.21
809	869	Mongoose[1]	50,000	400	163	81	6.50	3.02	4.45	2.21
509	508	Post Top (PT)[1]	4,000	50	20	10	3.98	2.48	0.55	0.27
570	530	Classic PT[1]	9,500	100	44	22	11.85	1.89	1.20	0.60
810	870	Coach PT[1]	6,300	70	29	14	4.71	2.11	0.79	0.38
572	532	Colonial PT[1]	9,500	100	44	22	11.75	1.89	1.20	0.60
573	533	Salem PT[1]	9,500	100	44	22	9.03	1.89	1.20	0.60
550	534	Shoebox[1]	9,500	100	44	22	8.01	1.89	1.20	0.60
566	536	Shoebox[1]	28,500	250	105	52	8.69	3.18	2.86	1.42
552	538	Shoebox[1]	50,000	400	163	81	9.52	2.44	4.45	2.21

[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¢ per kWh for each fixture.

Continued to Sheet No. 6.806

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

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	3.76	1.88
520	522	Cobra[1]	32,000	400	159	79	6.03	4.01	4.34	2.15
705	725	Flood[1]	29,700	350	138	69	8.55	5.04	3.76	1.88
556	541	Flood[1]	32,000	400	159	79	8.36	4.02	4.34	2.15
558	578	Flood[1]	107,800	1,000	383	191	10.50	8.17	10.44	5.21
701	721	General PT[1]	12,000	150	67	34	10.60	3.92	1.83	0.93
574	548	General PT[1]	14,400	175	74	37	10.89	3.73	2.02	1.01
700	720	Salem PT[1]	12,000	150	67	34	9.33	3.92	1.83	0.93
575	568	Salem PT[1]	14,400	175	74	37	9.38	3.74	2.02	1.01
702	722	Shoebox[1]	12,000	150	67	34	7.22	3.92	1.83	0.93
564	549	Shoebox[1]	12,800	175	74	37	7.95	3.70	2.02	1.01
703	723	Shoebox[1]	29,700	350	138	69	9.55	4.93	3.76	1.88
554	540	Shoebox[1]	32,000	400	159	79	10.02	3.97	4.34	2.15
576	577	Shoebox[1]	107,800	1,000	383	191	16.50	8.17	10.44	5.21

[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¢ per kWh for each fixture.

Continued to Sheet No. 6.808

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

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	0.55	0.27
820	840	Roadway [1]	7,577	103	36	18	11.15	1.19	0.98	0.49
821	841	Roadway[1]	8,300	106	37	19	11.15	1.20	1.01	0.52
829	849	Roadway[1]	15,285	157	55	27	11.10	2.26	1.50	0.74
822	842	Roadway[1]	15,300	196	69	34	14.58	1.26	1.88	0.93
823	843	Roadway[1]	14,831	206	72	36	16.80	1.38	1.96	0.98
835	855	Post Top[1]	5,176	60	21	11	16.53	2.28	0.57	0.30
824	844	Post Top[1]	3,974	67	24	12	19.67	1.54	0.65	0.33
825	845	Post Top[1]	6,030	99	35	17	20.51	1.56	0.95	0.46
836	856	Post Top[1]	7,360	100	35	18	16.70	2.28	0.95	0.49
830	850	Area-Lighter[1]	14,100	152	53	27	14.85	2.51	1.45	0.74
826	846	Area-Lighter[1]	13,620	202	71	35	19.10	1.41	1.94	0.95
827	847	Area-Lighter[1]	21,197	309	108	54	20.60	1.55	2.95	1.47
831	851	Flood[1]	22,122	238	83	42	15.90	3.45	2.26	1.15
832	852	Flood[1]	32,087	359	126	63	19.16	4.10	3.44	1.72
833	853	Mongoose[1]	24,140	245	86	43	14.71	3.04	2.35	1.17
834	854	Mongoose[1]	32,093	328	115	57	16.31	3.60	3.14	1.55

[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¢ 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	0.25	0.14
914		Roadway	5,392	47	16		5.97	1.74	0.44	
921		Roadway/Area	8,500	88	31		8.97	1.74	0.85	
926	982	Roadway	12,414	105	37	18	6.83	1.19	1.01	0.49
932		Roadway/Area	15,742	133	47		14.15	1.38	1.28	
935		Area-Lighter	16,113	143	50		11.74	1.41	1.36	
937		Roadway	16,251	145	51		8.61	2.26	1.39	
941	983	Roadway	22,233	182	64	32	11.81	2.51	1.75	0.87
945		Area-Lighter	29,533	247	86		16.07	2.51	2.35	
947	984	Area-Lighter	33,600	330	116	58	20.13	1.55	3.16	1.58
951	985	Flood	23,067	199	70	35	11.12	3.45	1.91	0.95
953	986	Flood	33,113	255	89	45	21.48	4.10	2.43	1.23
956	987	Mongoose	23,563	225	79	39	11.78	3.04	2.15	1.06
958		Mongoose	34,937	333	117		17.84	3.60	3.19	
965		Granville Post Top (PT)	3,024	26	9		5.80	2.28	0.25	
967	988	Granville PT	4,990	39	14	7	13.35	2.28	0.38	0.19
968	989	Granville PT Enh[4]	4,476	39	14	7	15.35	2.28	0.38	0.19
971		Salem PT	5,240	55	19		10.95	1.54	0.52	
972		Granville PT	7,076	60	21		14.62	2.28	0.57	
973		Granville PT Enh[4]	6,347	60	21		16.62	2.28	0.57	
975	990	Salem PT	7,188	76	27	13	13.17	1.54	0.74	.35

[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¢ 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 2.509¢ 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. 2018___-EI
IN RE: PETITION BY TAMPA ELECTRIC COMPANY FOR A LIMITED PROCEEDING TO APPROVE SECOND SOBRA EFFECTIVE JANUARY 1, 2019

PREPARED DIRECT TESTIMONY AND EXHIBIT OF R. JAMES ROCHA

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

PREPARED DIRECT TESTIMONY

OF

R. JAMES ROCHA

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

A. My name is R. James Rocha. 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 Business Strategy and Resource Planning. My responsibilities include leading the resource planning group, identifying the need for future resource additions, and analyzing the economic and other operational impacts to Tampa Electric's system associated with the addition of resource options.

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

A. I graduated from the Georgia Institute of Technology with a Bachelor's degree and a Master of Science degree in Nuclear Engineering. I earned a Master's degree in Business Administration from the University of Tampa, and I am a registered Professional Engineer in the State of

Florida.

In 1984, I was employed by Commonwealth Edison Company as a nuclear fuel engineer in the modeling of unit operation. In 1987, I joined Florida Power Corporation and became a resource planning engineer in the Generation Planning Department. In 2000, I became Manager of Financial Analysis at TECO Energy, responsible for business development and asset management. Since 2006, I have held several positions at Tampa Electric responsible for budgeting, business strategies and North American Electric Reliability Corporation ("NERC") Critical Infrastructure Protection ("CIP") and non-CIP NERC compliance.

I have over thirty years of accumulated electric utility experience working in the areas of resource planning, business and financial analysis, and engineering. I was appointed to my current position in December 2011.

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

A. Yes. In 2012, I testified in Docket No. 20120234-EI in support of the company's petition for determination of need of the Polk 2-5 Combined Cycle Conversion Project.

On November 6, 2017, I served on the company's panel of subject matter experts during the hearing for the 2017 Amended and Restated Stipulation and Settlement Agreement ("2017 Agreement"). Most recently, I testified before this Commission in Docket No. 20170260-EI, petition for limited proceeding to approve the First Solar Base Rate Adjustment ("First SoBRA"), effective September 1, 2018, 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) describe the provisions in the 2017 Agreement recently approved by the Commission 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 five (5) projects comprising the company's second tranche of solar generation ("Second SoBRA") effective January 1, 2019; and (3) demonstrate that the five (5) projects in the company's Second 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. ___ (RJR-1) was prepared by me or under my direction and supervision. It consists of the following four (4) documents:

Document No. 1	Demand and Energy Forecast
Document No. 2	Fuel Price Forecast
Document No. 3	Revenue Requirements for Second SoBRA
Document No. 4	Cost Effectiveness Test for Second SoBRA based on the entire 278 MW being constructed
Document No. 5	Cost Effectiveness Test for Second SoBRA based on the 260.3 MW allowed in the Second 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 five (5) solar projects (Lithia, Grange Hall, Peace Creek, Bonnie Mine, and Lake Hancock) for which cost recovery is requested via the company's Second 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 Second 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 Second SoBRA.

2017 AGREEMENT

Q. Please explain the origins of the 2017 Agreement.

A. The 2017 Agreement is an amendment and restatement of the company's Stipulation and Settlement Agreement ("2013 Agreement"), which resolved all of the issues in the company's last general base rate proceeding (Docket No. 20130040-EI).

Therein, among other things, Tampa Electric agreed that the general base rates provided for in the 2013 Stipulation would remain in effect through December 31, 2017 and thereafter until the company's next general base rate case. The 2013 Agreement also specified that Tampa Electric would forego seeking future general base rate increases with an effective date prior to January 1, 2018, except in limited

circumstances.

The Florida Public Service Commission ("FPSC" or "Commission") approved the 2013 Agreement and memorialized its decision in Order No. PSC-2013-0443-FOF-EI, issued September 30, 2013 ("2013 Agreement Order").

In late 2016, recognizing that the period in which Tampa Electric agreed to refrain from seeking general base rate increases would expire at the end of 2017, Tampa Electric and Office of Public Counsel ("OPC") began discussing whether the company would be willing and able to (a) refrain from seeking a general base rate increase beyond December 31, 2017 and (b) extend the terms of the 2013 Agreement for an additional period. During those discussions, OPC requested and Tampa Electric provided extensive financial and other information to OPC regarding its financial condition and future business plans. The Florida Industrial Power Users Group, Florida Retail Federation, Federal Executive Agencies, and West Central Florida Hospital Alliance later joined the discussions and made their own requests for information. As a result of this extensive and time-consuming process, the five Parties reached an agreement with Tampa Electric to extend the 2013 Agreement with limited amendments, subject to

Commission approval.

The Commission approved the 2017 Agreement on November 6, 2017 and memorialized its approval in Order No. PSC-2017-0456-S-EI, issued on November 27, 2017.

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 before the credit is reduced in future years for the benefit of customers.

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 250 MW of new solar generation to be in-service on or before January 1, 2019 through a SoBRA. Per the 2017 Agreement, the effective date of the Second SoBRA can be no earlier than January 1, 2019, and its maximum incremental annual revenue requirement may not exceed $50.9 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 five (5) projects in the Second 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 Second 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 investment tax credits 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.

Sixth, 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.

Seventh, Subparagraph 6(j) of the 2017 Agreement allows the company to seek recovery of unused capacity in a future petition for approval if the amount of capacity recovered in the SoBRA is below the maximum amount specified in Subparagraphs 6(b) and 6(c). For instance, because the First SoBRA was 144.7 MW, which is less than the 150 MW maximum allowed for in the 2017 Agreement, the remaining 5.3 MW from the First SoBRA may be included in the Second SoBRA, for a maximum cumulative total of 400 MW for the First SoBRA and Second SoBRA, of which the Second SoBRA MWs may also be adjusted upward subject to the "two percent variance".

Specifically, Subparagraph 6(c) of the 2017 Agreement allows for up to a two percent variance in the 2019 maximum 250 MW amount to be recovered (up to 5.0 MW variance) to allow for efficient planning and construction of the solar generation. Thus, the company has included an additional 5.0 MW in its Second SoBRA revenue requirement calculations for 2019.

Finally, paragraph 6(j) authorized the company to include

unused capacity from an earlier SoBRA in a future SoBRA. The company has used this carry-over provision for the Second SoBRA in this proceeding.

ANNUAL REVENUE REQUIREMENT

Q. What is the annual revenue requirement for recovering costs associated with the five (5) projects included in the Second SoBRA?

A. The annual revenue requirement is $45,866,000 without the incentive and $46,045,000 including the incentive. Those amounts were calculated using the projected installed costs of the five (5) solar projects (Lithia, Grange Hall, Peace Creek, Bonnie Mine, and Lake Hancock) 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 Second SoBRA was calculated using the approach used for the First SoBRA and as described in my prepared direct testimony in Docket No. 20170260-EI. A summary of the annual revenue requirement calculation is shown in Document No. 3 of my exhibit. This annual revenue requirement amount is approximately $5 million less than the revenue cap for Second 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 Second SoBRA in accordance with the specification in the 2017 Agreement. I began with the projected installed costs for the five (5) projects in the Second SoBRA as presented by witness Ward. 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 4.3 percent long-term debt rate on the remaining 46 percent debt in the capital structure. The Investment Tax Credits ("ITC") associated with the Second SoBRA were normalized over the 30-year life of the assets in accordance with applicable Internal Revenue Service regulations. My calculation included the projected impact of the recently enacted 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. Does your calculation of the revenue requirement include the effects of tax reform implemented by the Tax Cuts and Jobs Act of 2017?

A. Yes. The calculated revenue requirement utilized the lower federal tax rate of 21 percent as implemented in 2018 by the Tax Cuts and Jobs Act of 2017. The tax rate affects the after-tax weighted average cost of capital ("ATWACC") used in the calculation of the solar project revenue requirements and the projected system CPVRR used to determine cost-effectiveness, as described later in my prepared direct testimony. The ATWACC is used as the discount rate for all present value calculations.

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

A. As I described earlier in my prepared direct testimony, according to the 2017 Agreement, Tampa Electric may recover a maximum cumulative amount of 400 MW of solar generation costs between its First SoBRA and Second SoBRA, which includes 150 MW for the First SoBRA and 250 MW for the Second SoBRA, and the 250 MW Second SoBRA total is subject to the 2 percent variance provision for the 2019 amount, as specified in the agreement.

Tampa Electric proposes to recover the costs for 260.3 MW of solar generation in the Second SoBRA. This amount includes 250.0 MW, which is the 2019 annual maximum capacity, plus 5.0 MW representing the 2 percent variance provision applied to the 2019 annual maximum capacity, plus 5.3 MW, which is the unused capacity that was below the maximum amount specified in the First SoBRA [250.0 + 5.0 + 5.3 = 260.3].

Q. Please describe the calculation of the 5.3 MW difference in the First SoBRA maximum and approved amounts to be included in the Second SoBRA.

A. The First SoBRA was approved for 144.7 MW of capacity, leaving 5.3 MW of the 150 MW annual maximum capacity as available to include in the Second SoBRA [400.0 – 250.0 – 144.7 = 5.3].

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

A. Using the capital expenditures presented by witness Ward, I calculated the book depreciation and the cost of capital using the capital structure above adjusted for accumulated

deferred taxes. I also added property taxes and fixed operating expenses.

The as-built capacity of the Second SoBRA is expected to be 278 MW. However, the revenue requirements for the Second SoBRA will be based only upon 260.3 MW, per the requirements of the 2017 Agreement. The annual revenue requirement was calculated using the lowest total installed cost per-kW_{ac} solar energy resources in this second tranche up to 260.3 MW.

Q. Is this a final revenue requirement amount and how are customers protected?

A. No. 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 covered by the Second 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 rates, with interest applied.

Regarding the First SoBRA, the projected in-service date is September 1, 2018, so actual costs are still being incurred and are not yet known in total. Therefore, no

true-up for the First SoBRA will be calculated at this time but will be calculated when all actual costs are known, consistent with the 2017 Agreement.

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 Second SoBRA based on projected costs.

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 Second SoBRA based on the company's projected installed costs.

A. Witness Ward projects the installed costs for the Lithia, Grange Hall, Peace Creek, Bonnie Mine, and Lake Hancock Solar projects to be $1,494/$kW_{ac}$, $1,437/$kW_{ac}$, $1,492/$kW_{ac}$, $1,464/$kW_{ac}$, and $1,494/$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}**
Lithia	0.25 * ($1,500 - $1,494) + $1,494 = $1,496
Grange Hall	0.25 * ($1,500 - $1,437) + $1,437 = $1,453
Peace Creek	0.25 * ($1,500 - $1,492) + $1,492 = $1,494
Bonnie Mine	0.25 * ($1,500 - $1,464) + $1,464 = $1,473
Lake Hancock	0.25 * ($1,500 - $1,494) + $1,494 = $1,496

The incentive for all projects averages about $6 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 five (5) projects covered by the Second SoBRA as required by this cost-effectiveness test?

A. Yes. The five (5) Second SoBRA projects lower the company's projected system CPVRR as compared to such CPVRR without the solar projects; therefore, the projects covered by the Second 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. 4 of my exhibit. The cost effectiveness calculation for the Second SoBRA was performed using the approach used for the First SoBRA and as described in my

prepared direct testimony in Docket No. 20170260-EI.

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

A. The base assumptions for the cost-effectiveness calculation are the company's demand and energy forecast shown in Document No. 1 of my exhibit, the fuel forecast shown in Document No. 2 of my exhibit, and the solar property tax exemption. In addition, Tampa Electric developed a reference expansion plan with no additional solar and a second expansion plan case including the projects of the Second SoBRA.

As I explained previously, the as-built capacity in this second tranche is expected to be 278 MW but the amount that is recoverable through the Second SoBRA is limited to 260.3 MW in accordance with the 2017 Agreement. In order to ensure a comprehensive analysis, the cost effectiveness test has been performed on both the annual revenue requirement associated with the entire 278 MW being constructed and the 260.3 MW of capacity recoverable through the Second SoBRA.

Q. Please explain the projected system CPVRR calculations reflected in Document No. 4 and 5 of your exhibit.

A. For the entire 278 MW being constructed, the differential CPVRR is favorable for customers by $12.6 million before any value for reduced emissions is included and $39.4 million when the value of reduced emissions is included. The CPVRR fuel savings for the entire 278 MW are $345.7 million, averaging $34.9 million per year. Tampa Electric tested these savings to customers using sensitivities on fuel prices and the market price forecast for carbon. The results show that customer savings occur under the base case and high fuel forecast sensitivities.

For the 260.3 MW allowed in the Second SoBRA, the differential CPVRR is favorable for customers by $14.2 million before any value for reduced emissions is included and $39.0 million when the value of reduced emissions is included. The CPVRR fuel savings for the 260.3 MW allowed in the Second SoBRA are $324.9 million, averaging $32.7 million per year. Tampa Electric tested these savings to customers using sensitivities on fuel prices and the market price forecast for carbon. The results show that customer savings occur under the base case and high fuel forecast sensitivities.

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

A. The five (5) solar projects included in the Second SoBRA will decrease carbon dioxide ("CO_2") emissions by over 300,000 tons per year, while in the early years, they will decrease nitrogen oxide ("NO_x") emissions by hundreds of tons per year and sulfur dioxide ("SO_2) emissions by thousands of tons per year. Since the company will place 278 MW of solar in-service on January 1, 2019, but only recover through the Second SoBRA the cost associated with 260.3 MW, the company's general body of ratepayers will receive, through the fuel clause, the fuel savings from the energy produced by the excess solar capacity above 260.3 MW that serves the needs of the general body of ratepayers without paying for the fixed cost of generating that energy until that excess is either included in a future SoBRA or a general rate case. 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 Second SoBRA is $45,866,000 without the incentive and $46,045,000 including the incentive. The five solar projects being constructed in conjunction with the Second SoBRA (278 MW) will yield CPVRR savings of $12.6 million. The recoverable amount of solar projects of the Second SoBRA (260.3 MW) will yield CPVRR savings of $14.2 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 Second SoBRA by the Commission.

Q. Does this conclude your prepared direct testimony?

A. Yes, it does.

TAMPA ELECTRIC COMPANY
DOCKET NO. 2018_____-EI
EXHIBIT NO. _____(RJR-1)

EXHIBIT

OF

R. JAMES ROCHA

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Demand & Energy Forecast

	Winter (MW)	Summer (MW)	Energy (GWh)
2018	4,044	4,092	20,588
2019	4,337	4,121	20,445
2020	4,382	4,176	20,602
2021	4,443	4,229	20,830
2022	4,494	4,274	20,989
2023	4,557	4,330	21,246
2024	4,618	4,385	21,504
2025	4,680	4,440	21,775
2026	4,740	4,495	22,041
2027	4,802	4,550	22,323
2028	4,863	4,607	22,622
2029	4,925	4,664	22,924
2030	4,985	4,716	23,193
2031	5,037	4,764	23,449
2032	5,089	4,812	23,706
2033	5,141	4,861	23,965
2034	5,194	4,912	24,231
2035	5,248	4,963	24,506
2036	5,300	5,013	24,787
2037	5,354	5,064	25,076
2038	5,354	5,064	25,076
2039	5,354	5,064	25,076
2040	5,354	5,064	25,076
2041	5,354	5,064	25,076
2042	5,354	5,064	25,076
2043	5,354	5,064	25,076
2044	5,354	5,064	25,076
2045	5,354	5,064	25,076
2046	5,354	5,064	25,076
2047	5,354	5,064	25,076
2048	5,354	5,064	25,076

Fuel Forecast ($/MMBtu)

	Coal	Natural Gas
2018	2.42	3.03
2019	2.43	2.98
2020	2.39	3.05
2021	2.45	3.28
2022	2.48	3.45
2023	2.54	3.52
2024	2.58	3.71
2025	2.70	3.97
2026	2.84	4.26
2027	2.92	4.54
2028	3.01	4.81
2029	3.09	5.07
2030	3.17	5.33
2031	3.27	5.65
2032	3.36	5.94
2033	3.43	6.20
2034	3.49	6.45
2035	3.54	6.68
2036	3.62	7.00
2037	3.69	7.28
2038	3.77	7.64
2039	3.86	8.00
2040	3.93	8.34
2041	3.97	8.59
2042	4.08	8.88
2043	4.19	9.16
2044	4.30	9.47
2045	4.40	9.76
2046	4.52	10.07
2047	4.63	10.39
2048	4.80	10.90

Revenue Requirements for Second SoBRA

260.3 MW of Solar Projects

($000)	2019
Lithia	11,193
Grange Hall	9,114
Peace Creek	8,142
Bonnie Mine	5,809
Lake Hancock	4,781
Capital RR	39,059
Lithia	547
Grange Hall	448
Peace Creek	407
Bonnie Mine	275
Lake Hancock	233
FOM	1,911
Land RR	4,916
TOTAL RR	$45,886

Revenue Requirements for Second SoBRA

With Sharing Mechanism

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

($000)	2019
Lithia	11,205
Grange Hall	9,223
Peace Creek	8,155
Bonnie Mine	5,848
Lake Hancock	4,786
Capital RR	39,218
Lithia	547
Grange Hall	448
Peace Creek	407
Bonnie Mine	275
Lake Hancock	233
FOM	1,911
Land RR	4,917
TOTAL RR	$46,045

COST-EFFECTIVENESS TEST FOR SECOND SoBRA

(Based on the entire 278 MW being constructed)

Delta CPWRR Revenue Requirements - Base Fuel	**Cost/(Savings) (2018 US $ millions)**
Capital RR - Other New Units	($84.1)
Capital RR - Solar New Arrays (w/Interconnect)	$348.9
RR of Land for Solar	$65.7
System VOM	($20.3)
FOM - Other Future Units	$0.0
FOM - Solar Future Arrays	$31.9
System Fuel	($345.7)
System Capacity	($9.1)
Sub Total w/o NOX or CO2 Cost	($12.6)
Plus Emissions Costs	
CO2 - Base	($25.7)
CO2 - High	($92.9)
CO2 - Low	$0.0
NOX - Base	($1.1)
BASE: Total w/ CO2 & NOX Cost	($39.4)
or HIGH: Total w/ CO2 & NOX Cost	($106.5)
or LOW: Total w/ CO2 & NOX Cost	($13.7)

COST-EFFECTIVENESS TEST FOR SECOND SoBRA

(Based on only the 260.3 MW allowed in the Second SoBRA)

	Cost/(Savings) (2018 US $ millions)
Capital RR - Other New Units	($78.8)
Capital RR - Solar New Arrays (w/Interconnect)	$326.7
RR of Land for Solar	$61.2
System VOM	($19.2)
FOM - Other Future Units	$0.0
FOM - Solar Future Arrays	$29.9
System Fuel	($324.9)
System Capacity	($9.1)
Sub Total w/o NOX or CO2 Cost	($14.2)
Plus Emissions Costs	
CO2 - Base	($23.8)
CO2 - High	($86.7)
CO2 - Low	$0.0
NOX - Base	($1.0)
BASE: Total w/ CO2 & NOX Cost	($39.0)
or HIGH: Total w/ CO2 & NOX Cost	($101.9)
or LOW: Total w/ CO2 & NOX Cost	($15.2)

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 2018_____-EI
IN RE: PETITION BY TAMPA ELECTRIC COMPANY FOR A LIMITED PROCEEDING TO APPROVE SECOND SOBRA EFFECTIVE JANUARY 1, 2019

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. I also recently 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 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 recently 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 Second SoBRA, effective the first billing cycle of January 2019.

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 Second SoBRA Base Revenue Increase by Rate Class
Document No. 2	Base Revenue by Rate Schedule for Second SoBRA
Document No. 3	Rollup Base Revenue by Rate Class for Second SoBRA
Document No. 4	Typical Bills Reflecting Second SoBRA Base Revenue Increase
Document No. 5	Determination of Fuel Recovery Factor for Second SoBRA
Document No. 6	Redlined Tariffs Reflecting Second SoBRA Base Revenue Increase

Document No. 7 Clean Tariffs Reflecting Second 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 R. James Rocha, filed concurrently in this docket?

A. Tampa Electric witness Mark D. Ward's prepared direct testimony describes the five (5) solar projects (Lithia, Grange Hall, Peace Creek, Bonnie Mine, and Lake Hancock) for which cost recovery is requested via the company's Second SoBRA, as well as their projected in-service dates and installed cost per kilowatt alternating current ("kW_{ac}"). Tampa Electric witness R. James Rocha's prepared direct testimony presents the annual revenue requirement for the company's Second SoBRA using the projected installed project costs presented in witness Ward's prepared direct testimony. I use the annual revenue requirement from witness Rocha's prepared direct testimony to develop the proposed base rate adjustment for the Second 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 Rocha's prepared direct testimony was allocated across the rate classes. Second, the 12 CP and 1/13th AD allocation factor

utilized to set 2019 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. The second tranche actual costs are still being incurred and are not yet known in total. Therefore, no true-up will be calculated at this time but will be calculated when known, with interest applied.

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 Second 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 Second 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 Second SoBRA fuel cost savings.

Q. Please explain the fuel impact of the Second SoBRA and how that affects rates in 2019.

A. The second tranche of solar generation that will begin service January 1, 2019 is expected to provide fuel savings of approximately $17 million during 2019. Those expected fuel savings will be included in the company's proposed 2019 annual fuel cost recovery factors to be submitted to the Commission on August 24, 2018. The savings represent an estimated $0.88 reduction on the 2019 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 Second 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 proposed 2017 tax impacts associated with Tax Cuts and Job Act of 2017 filed for approval in Docket No. 20180045-EI.

Q. Do you provide an exhibit that shows the clean tariff sheets affected by implementation of the Second 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 Second 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 Second 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 Second 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. 2018_____-EI
EXHIBIT No. _____ (WRA-1)

EXHIBIT

OF

WILLIAM R. ASHBURN

Table of Contents

TAMPA ELECTRIC COMPANY
DOCKET NO. 2018_____-EI
EXHIBIT NO. ___ (WRA-1)
WITNESS: ASHBURN
DOCUMENT NO. 1

Development of

Second SoBRA Base Revenue Increase

by Rate Class

TAMPA ELECTRIC COMPANY
DEVELOPMENT OF SECOND SoBRA BASE REVENUE INCREASE BY RATE CLASS FOR 2019
USING SEPTEMBER 1, 2018 RATES ADJUSTED FOR FIRST SoBRA AND 2018 TAX REFORM
($000)

260 MW Second SoBRA
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) 2017 Targeted Base Revenue (B) + (E)
1	I.	Residential (RS,RSVP)	$ 635,982	$ 609,837	$ 26,145	4.29%			
2									
3	II.	General Service							
4		Non-Demand (GS,CS)	66,579	64,307	2,272	3.53%			
5									
6									
7		Sub-Total: I. + II.	$ 702,561	$ 674,144	$ 28,417	4.22%	$ 28,417	4.22%	$ 702,561
8									
9									
10	III.	General Service							
11		Demand (GSD, SBF)	346,172	329,755	16,417	4.98%	$ 16,417	4.98%	346,172
12									
13	IV.	Interruptible Service (IS/SBI)	29,801	28,617	1,184	4.14%	$ 1,184	4.14%	29,801
15									
16									
19	V.	Lighting (LS-1)							
20		A. - Energy	$ 4,388	4,361	27	0.61%	$ 27	0.61%	$ 4,388
21		B. - Facilities	43,545	43,545	-	0.00%	$ -	0.00%	$ 43,545
22									
23									
24		Total	$ 1,126,467	$ 1,080,421	$ 46,045	4.26%	$ 46,045	4.26%	$ 1,126,467
25									
26				$ 46,045					

(1) The Adjusted Revenue Requirement column reflects an increase of $46.045 million annual Second SoBRA revenues based on each class' percentage of 12 CP & 1/13th allocator plus an 40% allocation to lighting service of Second SoBRA increase.

(2) Present base revenue is calculated using base rates reflect First SoBRA to be in effect first billing cycle of September 2018 and tax reform to be in effect first billing cycle of January 2019, applied to 2019 projected billing determinants.

2018
12 CP &1/13 Allocation

46045

Lighting Share Reallocation

$000	%	$000	%	FINAL RR $000
26,122	56.732%	38	56.81%	26,160
2,270	4.930%	3	4.94%	2,273
	61.662%			
16,403	35.624%	24	35.68%	16,427
1,183	2.569%	2	2.57%	1,185
67	0.145%			
46,045	100.0000%	67	100%	46,045

Lighting allocation spread over other classes

67 0.286%

60.00%

40

40.00%

27

Lighting Share Reallocation

$000	%	FINAL RR $000
23	56.81%	26,145
2	4.94%	2,272
14	35.68%	16,417
1	2.57%	1,184
		27
40	100%	46,045

TAMPA ELECTRIC COMPANY
DOCKET NO. 2018____-EI
EXHIBIT NO. ___ (WRA-1)
WITNESS: ASHBURN
DOCUMENT NO. 1
PAGE 2 OF 2
FILED: 06/29/2018

TAMPA ELECTRIC COMPANY
DOCKET NO. 2018_____-EI
EXHIBIT NO. ___ (WRA-1)
WITNESS: ASHBURN
DOCUMENT NO. 2

Base Revenue by Rate Schedule
for Second SoBRA

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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 12/31/2018

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		
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36		

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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 12/31/2018

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	8,124,336	Bills	$ 15.12	122,867,323	8,124,336	Bills	$ 15.12	122,867,323	
4	RSVP-1	54,683	Bills	$ 15.12	826,991	54,683	Bills	$ 15.12	826,991	
5	Total	8,179,019	Bills		123,694,314	8,179,019	Bills		123,694,314	0.0%
6										
7										
8										
9	Energy Charge:									
10	Standard									
11	First 1,000 kWh	6,383,752	MWH	$ 48.96	312,547,581	6,383,752	MWH	$ 51.43	328,299,768	
12	All additional kWh	2,915,954	MWH	$ 58.06	169,298,411	2,915,954	MWH	$ 61.43	179,119,473	
13	RSVP-1	82,913	MWH	$ 51.82	4,296,311	82,913	MWH	$ 54.57	4,524,347	
14	Total	9,382,619	MWH		486,142,303	9,382,619	MWH		511,943,587	5.3%
15										
16										
17										
18	Total Base Revenue:				609,836,617				635,637,901	4.2%
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Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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 12/31/2018

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	766,940	Bills	$ 18.14	13,915,667	766,940	Bills	$ 18.14	13,915,667	
4	Standard Unmetered	1,188	Bills	$ 15.12	17,967	1,188	Bills	$ 15.12	17,967	
5	T-O-D	28,994	Bills	$ 20.16	584,649	28,994	Bills	$ 20.16	584,649	
6	T-O-D (Meter CIAC paid)	24	Bills	$ 18.14	435	24	Bills	$ 18.14	435	
7	Total	797,146	Bills		14,518,719	797,146	Bills		14,518,719	0.0%
8										
9	Energy Charge:									
10	Standard	910,450	MWH	$ 51.65	47,025,683	910,450	MWH	$ 54.13	49,280,291	
11	Standard Unmetered	1,295	MWH	$ 51.65	66,888	1,295	MWH	$ 54.13	70,095	
12	T-O-D On-Peak	8,582	MWH	$ 131.83	1,131,396	8,582	MWH	$ 149.65	1,284,296	
13	T-O-D Off-Peak	24,929	MWH	$ 14.06	350,470	24,929	MWH	$ 21.09	525,705	
14	Total	945,256	MWH		48,574,437	945,256	MWH		51,160,388	5.3%
15										
16	Emergency Relay Charge:									
17	Standard	2,041	MWH	$ 1.56	3,183	2,041	MWH	$ 1.64	3,352	
18	T-O-D	-	MWH	$ 1.56	-	-	MWH	$ 1.64	-	
19	Total	2,041	MWH		3,183	2,041	MWH		3,352	5.3%
20										
21										
22										
23	Total Base Revenue:				63,096,339				65,682,458	4.1%
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Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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 12/31/2018

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		36,639 Bills	$ 18.14	664,793	36,639 Bills	$ 18.14	664,793	
4	Total	36,639 Bills		664,793	36,639 Bills		664,793	0.0%
5								
6	Energy Charge:							
7		10,575 MWH	$ 51.65	546,210	10,575 MWH	$ 54.13	572,397	
8	Total	10,575 MWH		546,210	10,575 MWH		572,397	4.8%
9								
10								
11								
12	Total Base Revenue:			1,211,002			1,237,190	2.2%
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Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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.
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Type of data shown:
XX Projected Test year Ended 12/31/2018

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	157,303	Bills	$ 30.25	4,757,902	157,303	Bills	$ 30.25	4,757,902	
3	Standard - Primary	812	Bills	$ 131.06	106,364	812	Bills	$ 131.06	106,364	
4	Standard - Subtransmission	-	Bills	$ 998.05	-	0	Bills	$ 998.05	-	
5	T-O-D - Secondary	14,214	Bills	$ 30.25	429,927	14,214	Bills	$ 30.25	429,927	
6	T-O-D - Primary	766	Bills	$ 131.06	100,392	766	Bills	$ 131.06	100,392	
7	T-O-D - Subtransmission	25	Bills	$ 998.05	24,951	25	Bills	$ 998.05	24,951	
8	Total	173,120	Bills		5,419,537	173,120			5,419,537	0.0%
9										
10	Energy Charge:									
11	Standard - Secondary	4,327,159	MWH	$ 15.96	69,063,716	4,327,159	MWH	$ 15.96	69,063,716	
12	Standard - Primary	298,377	MWH	$ 15.96	4,762,253	298,377	MWH	$ 15.96	4,762,253	
13	Standard - Subtransmission	-	MWH	$ 15.96	-	-	MWH	$ 15.96	-	
14	T-O-D On-Peak - Secondary	537,358	MWH	$ 29.22	15,700,791	537,358	MWH	$ 29.22	15,700,791	
15	T-O-D On-Peak - Primary	264,905	MWH	$ 29.22	7,740,125	264,905	MWH	$ 29.22	7,740,125	
16	T-O-D On-Peak - Subtrans.	518	MWH	$ 29.22	15,135	518	MWH	$ 29.22	15,135	
17	T-O-D Off-Peak - Secondary	1,479,672	MWH	$ 10.55	15,605,094	1,479,672	MWH	$ 10.55	15,605,094	
18	T-O-D Off-Peak - Primary	730,501	MWH	$ 10.55	7,704,097	730,501	MWH	$ 10.55	7,704,097	
19	T-O-D Off-Peak - Subtrans.	1,521	MWH	$ 10.55	16,041	1,521	MWH	$ 10.55	16,041	
20	Total	7,640,011	MWH		120,607,252	7,640,011	MWH		120,607,252	0.0%
21										
22	Demand Charge:									
23	Standard - Secondary	11,357,612	kW	$ 9.74	110,582,984	11,357,612	kW	$ 10.58	120,163,535	
24	Standard - Primary	750,006	kW	$ 9.74	7,302,407	750,006	kW	$ 10.58	7,935,063	
25	Standard - Subtransmission	-	kW	$ 9.74	-	-	kW	$ 10.58	-	
26	T-O-D Billing - Secondary	3,803,267	kW	$ 3.28	12,493,425	3,803,267	kW	$ 3.57	13,577,663	
27	T-O-D Billing - Primary	1,901,141	kW	$ 3.28	6,245,095	1,901,141	kW	$ 3.57	6,787,073	
28	T-O-D Billing - Subtrans.	5,568	kW	$ 3.28	18,290	5,568	kW	$ 3.57	19,878	
29	T-O-D Peak - Secondary	3,672,362	kW (1)	$ 6.45	23,692,409	3,672,362	kW (1)	$ 7.01	25,743,258	
30	T-O-D Peak - Primary	1,824,974	kW (1)	$ 6.45	11,773,902	1,824,974	kW (1)	$ 7.01	12,793,068	
31	T-O-D Peak - Subtrans.	4,905	kW (1)	$ 6.45	31,645	4,905	kW (1)	$ 7.01	34,384	
32	Total	17,817,594	kW		172,140,157	17,817,594	kW		187,053,922	8.7%
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. 2018____-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 12/31/2018

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	663,959	kW	$ (0.79)	(525,627)	663,959	kW	$ (0.86)	(571,005)	
5	Standard - Subtransmission	-	kW	$ (2.45)	-	-	kW	$ (2.66)	-	
6	T-O-D Primary	1,539,592	kW	$ (0.79)	(1,218,828)	1,539,592	kW	$ (0.86)	(1,324,049)	
7	T-O-D Subtransmission	8,490	kW	$ (2.45)	(20,782)	8,490	kW	$ (2.66)	(22,583)	
8	Total	2,212,041	kW		(1,765,237)	2,212,041	kW		(1,917,637)	8.6%
9										
10	Emergency Relay Charge:									
11	Standard Secondary	437,907	kW	$ 0.63	274,947	437,907	kW	$ 0.68	297,777	
12	Standard Primary	166,511	kW	$ 0.63	104,547	166,511	kW	$ 0.68	113,227	
13	Standard - Subtransmission	-	kW	$ 0.63	-	-	kW	$ 0.68	-	
14	T-O-D Secondary	749,073	kW	$ 0.63	470,317	749,073	kW	$ 0.68	509,370	
15	T-O-D Primary	771,690	kW	$ 0.63	484,517	771,690	kW	$ 0.68	524,749	
16	T-O-D Subtransmission	-	kW	$ 0.63	-	-	kW	$ 0.68	-	
17	Total	2,125,181	kW		1,334,328	2,125,181	kW		1,445,123	8.3%
18										
19	Power Factor Charge:									
20	Standard Secondary	12,038	MVARh	$ 2.02	24,318	12,038	MVARh	$ 2.02	24,318	
21	Standard Primary	12,054	MVARh	$ 2.02	24,350	12,054	MVARh	$ 2.02	24,350	
22	Standard - Subtransmission	0	MVARh	$ 2.02	-	0	MVARh	$ 2.02	-	
23	T-O-D Secondary	12,613	MVARh	$ 2.02	25,479	12,613	MVARh	$ 2.02	25,479	
24	T-O-D Primary	10,522	MVARh	$ 2.02	21,255	10,522	MVARh	$ 2.02	21,255	
25	T-O-D Subtransmission	142	MVARh	$ 2.02	287	142	MVARh	$ 2.02	287	
26		47,369	MVARh		95,690	47,369	MVARh		95,690	0.0%
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. 2018____-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 12/31/2018

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	28844	MVARh	$ (1.01)	(29,134)	28844	MVARh	$ (1.01)	(29,134)	
5	Standard Primary	16646	MVARh	$ (1.01)	(16,813)	16646	MVARh	$ (1.01)	(16,813)	
6	Standard - Subtransmission	0	MVARh	$ (1.01)	-	0	MVARh	$ (1.01)	-	
7	T-O-D Secondary	108106	MVARh	$ (1.01)	(109,192)	108106	MVARh	$ (1.01)	(109,192)	
8	T-O-D Primary	59840	MVARh	$ (1.01)	(60,441)	59840	MVARh	$ (1.01)	(60,441)	
9	T-O-D Subtransmission	0	MVARh	$ (1.01)	-	0	MVARh	$ (1.01)	-	
10		213,436	MVARh		(215,580)	213,436	MVARh		(215,580)	0.0%
11										
12										
13	Metering Voltage Adjustment:									
14	Standard Primary	11,651,115	$	-1%	(116,511)	12,247,076	$	-1%	(122,471)	
15	Standard - Subtransmission	-	$	-2%	-	-	$	-2%	-	
16	T-O-D Primary	32,689,722	$	-1%	(326,897)	34,185,877	$	-1%	(341,859)	
17	T-O-D Subtransmission	60,617	$	-2%	(1,212)	63,141	$	-2%	(1,263)	
18	Total	44,401,455	$		(444,621)	46,496,095	$		(465,592)	4.7%
19										
20										
21										
22										
23	Total Base Revenue:				297,171,525				312,022,714	5.0%
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. 2018____-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 12/31/2018

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	19,672	Bills	$ 30.25	595,014	19,672	Bills	$ 30.25	595,014	
3	Optional - Primary	307	Bills	$ 131.06	40,235	307	Bills	$ 131.06	40,235	
4	Optional - Subtransmission	-		$ 998.05	-	-		$ 998.05	-	
5	Total	19,979	Bills		635,249	19,979	Bills		635,249	0.0%
6										
7	Energy Charge:									
8	Optional - Secondary	388,398	MWH	$ 61.99	24,075,157	388,398	MWH	$ 64.95	25,226,450	
9	Optional - Primary	12,811	MWH	$ 61.99	794,100	12,811	MWH	$ 64.95	832,074	
10	Total	401,209	MWH		24,869,257	401,209	MWH		26,058,525	4.8%
11										
12	Demand Charge:									
13	Optional - Secondary	2,406,400	kW	$ -	-	2,406,400	kW	$ -	-	
14	Optional - Primary	97,955	kW	$ -	-	97,955	kW	$ -	-	
15	Total	2,504,355	kW		-	2,504,355			-	0.0%
16										
17	Delivery Voltage Credit:									
18	Optional - Primary	6,070	MWH	$ (2.09)	(12,704)	6,070	MWH	$ (2.27)	(13,779)	
19	Optional - Subtransmission	-	MWH	$ (6.39)	-	-	MWH	$ (6.94)	-	
20	Total	6,070	MWH		(12,704)	6,070	MWH		(13,779)	8.5%
21										
22	Emergency Relay									
23	Optional - Secondary	11,959	MWH	$ 1.58	18,935	11,959	MWH	$ 1.72	20,569	
24	Optional - Primary	1,632,647	MWH	$ 1.58	2,584,991	1,632,647	MWH	$ 1.72	2,808,153	
25	Total	1,644,606	MWH		2,603,926	1,644,606	MWH		2,828,722	8.6%
26										
27	Metering Voltage Adjustment:									
28	Optional - Primary	3,366,387	$	-1%	(33,664)	3,626,448	$	-1%	(36,264)	
29	Optional - Subtransmission	-	$	-2%	-	-	$	-2%	-	
30	Total	3,366,387	$		(33,664)	3,626,448	$		(36,264)	7.7%
31										
32										
33										
34	Total Base Revenue:				28,062,064				29,472,453	5.0%
35										

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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 12/31/2018

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	$ 55.44	-	0	Bills	$ 55.44	-	
4	Standard Primary	0	Bills	$ 156.26	-	0	Bills	$ 156.26	-	
5	Standard Subtransmission	0	Bills	$ 1,023.26	-	0	Bills	$ 1,023.26	-	
6	T-O-D Secondary	0	Bills	$ 55.44	-	0	Bills	$ 55.44	-	
7	T-O-D Primary	37	Bills	$ 156.26	5,781	37	Bills	$ 156.26	5,781	
8	T-O-D Subtransmission	50	Bills	$ 1,023.26	51,163	50	Bills	$ 1,023.26	51,163	
9	Total	87	Bills		56,944	87	Bills		56,944	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	$ 29.22	-	-	MWH	$ 29.22	-	
16	T-O-D On-Peak - Primary	28,197	MWH	$ 29.22	823,874	28,197	MWH	$ 29.22	823,874	
17	T-O-D On-Peak - Subtrans.	-	MWH	$ 29.22	-	-	MWH	$ 29.22	-	
18	T-O-D Off-Peak - Secondary	0	MWH	$ 10.55	-	-	MWH	$ 10.55	-	
19	T-O-D Off-Peak - Primary	84,550	MWH	$ 10.55	891,691	84,550	MWH	$ 10.55	891,691	
20	T-O-D Off-Peak - Subtrans.	-	MWH	$ 10.55	-	-	MWH	$ 10.55	-	
21	Energy Charge - Standby:									
22	T-O-D On-Peak -Secondary	-	MWH	$ 9.21	-	-	MWH	$ 9.21	-	
23	T-O-D On-Peak - Primary	2,133	MWH	$ 9.21	19,642	2,133	MWH	$ 9.21	19,642	
24	T-O-D On-Peak - Subtrans.	2,001	MWH	$ 9.21	18,427	2,001	MWH	$ 9.21	18,427	
25	T-O-D Off-Peak -Secondary	-	MWH	$ 9.21	-	-	MWH	$ 9.21	-	
26	T-O-D Off-Peak - Primary	6,304	MWH	$ 9.21	58,052	6,304	MWH	$ 9.21	58,052	
27	T-O-D Off-Peak - Subtrans.	5,914	MWH	$ 9.21	54,460	5,914	MWH	$ 9.21	54,460	
28	Total	129,099	MWH		1,866,146	129,099	MWH		1,866,146	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. 2018____-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 12/31/2018

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	$ 9.74		-	-	kW	$ 10.58		-	
5	Standard Primary	-	kW	$ 9.74		-	-	kW	$ 10.58		-	
6	Standard Subtransmission	-	kW	$ 9.74		-	-	kW	$ 10.58		-	
7	T-O-D Billing - Secondary	-	kW	$ 3.28		-	-	kW	$ 3.57		-	
8	T-O-D Billing - Primary	187,866	kW	$ 3.28		617,125	187,866	kW	$ 3.57		670,682	
9	T-O-D billing - Subtransmission	-	kW	$ 3.28		-	-	kW	$ 3.57		-	
10	T-O-D Peak - Secondary	-	kW (1)	$ 6.45		-	-	kW (1)	$ 7.01		-	
11	T-O-D Peak - Primary	181,526	kW (1)	$ 6.45		1,171,123	181,526	kW (1)	$ 7.01		1,272,497	
12	T-O-D Peak - Subtransmission	-	kW (1)	$ 6.45		-	-	kW (1)	$ 7.01		-	
13	Demand Charge - Standby:											
14	T-O-D Facilities Reservation - Sec.	-	kW	$ 1.96		-	-	kW	$ 1.96		-	
15	T-O-D Facilities Reservation - Pri.	111,712	kW	$ 1.96		218,553	111,712	kW	$ 1.96		218,956	
16	T-O-D Facilities Reservation - Sub.	239,672	kW	$ 1.96		468,892	239,672	kW	$ 1.96		469,757	
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.	55,882	kW (1)	$ 1.56	/ kW-mo.	86,953	55,882	kW (1)	$ 1.56	kW-mo.	87,176	
19	T-O-D Power Supply Res. - Sub.	181,235	kW (1)	$ 1.56	/ kW-mo.	282,004	181,235	kW (1)	$ 1.56	kW-mo.	282,727	
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.	340,955	kW (1)	$ 0.62	/ kW-day	210,971	340,955	kW (1)	$ 0.62	kW-day	211,392	
22	T-O-D Power Supply Dmd. - Sub.	265,610	kW (1)	$ 0.62	/ kW-day	164,350	265,610	kW (1)	$ 0.62	kW-day	164,678	
23	Total	539,250	kW			3,219,972	539,250	kW			3,377,864	4.9%
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	5,575	MVARh	$ 2.02		11,262	5,575	MVARh	$ 2.02		11,262	
32	T-O-D Subtransmission	1,114	MVARh	$ 2.02		2,250	1,114	MVARh	$ 2.02		2,250	
33		6,689				13,512	6,689				13,512	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. 2018____-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 12/31/2018

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	6,826	MVARh	$ (1.01)	(6,895)	6,826	MVARh	$ (1.01)	(6,895)	
9	T-O-D Subtransmission	-	MVARh	$ (1.01)	-	-	MVARh	$ (1.01)	-	
14	Total	6,826	MVARh		(6,895)	6,826	MVARh		(6,895)	0.0%
15										
16	Delivery Voltage Credit - Supplemental.:									
17	Standard Primary	-	kW	$ (0.79)	-	-	kW	$ (0.86)	-	
18	Standard Subtransmission	-	kW	$ (2.45)	-	-	kW	$ (2.66)	-	
19	T-O-D Primary	187,866	kW	$ (0.79)	(148,725)	187,866	kW	$ (0.86)	(161,565)	
20	T-O-D Subtransmission	-	kW	$ (2.45)	-	-	kW	$ (2.66)	-	
21	Delivery Voltage Credit. - Standby.:									
22	T-O-D Primary	111,712	kW	$ (0.63)	(70,140)	111,712	kW	$ (0.63)	(70,140)	
23	T-O-D Subtransmission	239,672	kW	$ (1.97)	(471,073)	239,672	kW	$ (1.97)	(471,073)	
24	Total	539,250	kW		(689,939)	539,250	kW		(702,778)	1.9%
25										
26	Emergency Relay Charge - Supplemental and Standby.									
27	Standard Secondary	-	kW	$ 0.63	-	-	kW	$ 0.68	-	
28	Standard Primary	-	kW	$ 0.63	-	-	kW	$ 0.68	-	
29	Standard Subtransmission	-	kW	$ 0.63	-	-	kW	$ 0.68	-	
30	T-O-D Secondary	-	kW	$ 0.63	-	-	kW	$ 0.68	-	
31	T-O-D Primary	177,812	kW	$ 0.63	111,642	177,812	kW	$ 0.68	120,912	
32	T-O-D Subtransmission	-	kW	$ 0.63	-	-	kW	$ 0.68	-	
33		177,812			111,642	177,812			120,912	8.3%
34										
35										
36										
37										
34										
35										

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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 12/31/2018

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	3,995,128	$	-1.0%	(39,951)	4,147,536	$	-1.0%	(41,475)	
7	T-O-D Subtransmission	519,311	$	-2.0%	(10,386)	521,226	$	-2.0%	(10,425)	
8	Total	4,514,439	$		(50,337)	4,668,762	$		(51,900)	3.1%
9										
10										
11										
12	Total Base Revenue:				4,521,046				4,673,806	3.4%
13										
14										
15										
16										
17										
18										
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20										
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Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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 12/31/2018

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.	74	Bills	$ 627.06	46,402	74	Bills	$ 627.06	46,402	
4	Standard Subtrans.	-	Bills	$ 2,391.29	-	-	Bills	$ 2,391.29	-	
5	T-O-D Primary	113	Bills	$ 627.06	70,813	113	Bills	$ 627.06	70,813	
6	T-O-D Subtransmission	100	Bills	$ 2,391.29	240,038	100	Bills	$ 2,391.29	240,038	
7	Total	287	Bills		357,254	287	Bills		357,254	0.0%
8										
9	Energy Charge:									
10	Standard Primary	40,657	MWH	$ 25.24	1,026,264	40,657	MWH	$ 25.24	1,026,264	
11	Standard Subtransmission	-	MWH	$ 25.24	-	-	MWH	$ 25.24	-	
12	T-O-D On-Peak - Pri.	31,603	MWH	$ 25.24	797,723	31,603	MWH	$ 25.24	797,723	
13	T-O-D On-Peak - Subtrans.	83,117	MWH	$ 25.24	2,098,040	83,117	MWH	$ 25.24	2,098,040	
14	T-O-D Off-Peak - Pri.	84,068	MWH	$ 25.24	2,122,045	84,068	MWH	$ 25.24	2,122,045	
15	T-O-D Off-Peak - Subtrans.	262,242	MWH	$ 25.24	6,619,516	262,242	MWH	$ 25.24	6,619,516	
16	Total	501,687	MWH		12,663,589	501,687	MWH		12,663,589	0.0%
17										
18	Demand Charge:									
19	Standard Primary	100,581	kW	$ 1.99	200,437	100,581	kW	$ 3.10	311,801	
20	Standard Subtrans.	-	kW	$ 1.99	-	-	kW	$ 3.10	-	
21	T-O-D Billing - Primary	224,684	kW	$ 1.99	447,748	224,684	kW	$ 3.10	696,520	
22	T-O-D Billing - Subtrans.	933,861	kW	$ 1.99	1,860,989	933,861	kW	$ 3.10	2,894,969	
23	T-O-D Peak - Primary	-	kW (1)	$ -	-	-	kW (1)	$ -	-	
24	T-O-D Peak - Subtrans.	-	kW (1)	$ -	-	-	kW (1)	$ -	-	
25	Total	1,259,126	kW		2,509,174	1,259,126	kW		3,903,291	55.6%
26										
27	Power Factor Charge:									
28	Standard Primary	6,653	MVARh	$ 2.02	13,440	6,653	MVARh	$ 2.02	13,440	
29	Standard Subtrans.	-	MVARh	$ 2.02	-	-	MVARh	$ 2.02	-	
30	T-O-D Primary	12,242	MVARh	$ 2.02	24,730	12,242	MVARh	$ 2.02	24,730	
31	T-O-D Subtransmission	15,573	MVARh	$ 2.02	31,459	15,573	MVARh	$ 2.02	31,459	
32	Total	34,468	MVARh		69,628	34,468	MVARh		69,628	0.0%
33										
34	(1) Not included in Total.									
35										

Continued on Page 14

Supporting Schedules:

Recap Schedules: E-13a

TAMPA ELECTRIC COMPANY
DOCKET NO. 2018____-EI
EXHIBIT NO. ____ (WRA-1)
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FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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 12/31/2018

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	3,228	MVARh	$ (1.01)	(3,260)	3,228	MVARh	$ (1.01)	(3,260)	
5	Standard Subtrans.	-	MVARh	$ (1.01)	-	-	MVARh	$ (1.01)	-	
6	T-O-D Primary	3,542	MVARh	$ (1.01)	(3,578)	3,542	MVARh	$ (1.01)	(3,578)	
7	T-O-D Subtransmission	-	MVARh	$ (1.01)	-	-	MVARh	$ (1.01)	-	
8	Total	6,770	MVARh		(6,838)	6,770	MVARh		(6,838)	0.0%
9										
10	Emergency Relay Service									
11	Standard Primary	-	kW	$ 0.78	-	-	kW	$ 1.22	-	
12	Standard Subtrans.	-	kW	$ 0.78	-	-	kW	$ 1.22	-	
13	T-O-D Primary	-	kW	$ 0.78	-	-	kW	$ 1.22	-	
14	T-O-D Subtransmission	-	kW	$ 0.78	-	-	kW	$ 1.22	-	
15	Total	-	kW		-	-	kW		-	0.0%
16										
17	Delivery Voltage Credit:									
18	Standard Primary	100,581	kW	$ -	-	100,581	kW	$ -	-	
19	Standard Subtrans.	-	kW	$ (0.55)	-	-	kW	$ (0.85)	-	
20	T-O-D Primary	223,155	kW	$ -	-	223,155	kW	$ -	-	
21	T-O-D Subtransmission	935,390	kW	$ (0.55)	(510,695)	935,390	kW	$ (0.85)	(795,082)	
22	Total	1,259,126	kW		(510,695)	1,259,126	kW		(795,082)	55.7%
23										
24	Metering Voltage Adjustment:									
25	Standard Primary	1,236,881	$	0%	-	1,348,245	$	0%	-	
26	Standard Subtrans.	-	$	-1%	-	-	$	-1%	-	
27	T-O-D Primary	3,388,669	$	0%	-	3,637,441	$	0%	-	
28	T-O-D Subtransmission	10,099,309	$	-1%	(100,993)	10,848,902	$	-1%	(108,489)	
29	Total	14,724,859	$		(100,993)	15,834,588	$		(108,489)	7.4%
30										
31										
32										
33	Total Base Revenue:				14,981,119				16,083,353	7.4%
34										
35										

Supporting Schedules:

Recap Schedules: E-13a

TAMPA ELECTRIC COMPANY
DOCKET NO. 2018____-EI
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FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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 12/31/2018

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												
2	Basic Service Charge:											
3	T-O-D Primary	0	Bills	$ 652		-	0	Bills	$ 652.26		-	
4	T-O-D Subtransmission	66	Bills	$ 2,416		159,489	66	Bills	$ 2,416.50		159,489	
5	Total	66	Bills			159,489	66	Bills			159,489	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.	12,109	MWH	$ 25.24		305,656	12,109	MWH	$ 25.24		305,656	
10	T-O-D Off-Peak - Pri.	-	MWH	$ 25.24		-	-	MWH	$ 25.24		-	
11	T-O-D Off-Peak - Subtrans.	40,470	MWH	$ 25.24		1,021,544	40,470	MWH	$ 25.24		1,021,544	
12	Energy Charge - Standby:											
13	T-O-D On-Peak - Pri.	-	MWH	$ 10.15		-	-	MWH	$ 10.15		-	
14	T-O-D On-Peak - Subtrans.	62,784	MWH	$ 10.15		637,003	62,784	MWH	$ 10.15		637,003	
15	T-O-D Off-Peak - Pri.	-	MWH	$ 10.15		-	-	MWH	$ 10.15		-	
16	T-O-D Off-Peak - Subtrans.	183,017	MWH	$ 10.15		1,856,880	183,017	MWH	$ 10.15		1,856,880	
17	Total	298,380	MWH			3,821,082	298,380	MWH			3,821,082	0.0%
18												
19	Demand Charge - Supplemental:											
20	T-O-D Billing - Primary	-	kW	$ 1.99	kW	-	-	kW	$ 3.10	kW	-	
21	T-O-D Billing - Subtrans.	134,292	kW	$ 1.99	kW	267,616	134,292	kW	$ 3.10	kW	416,305	
22	T-O-D Peak - Primary	-	kW (1)	$ -	kW	-	-	kW (1)	$ -	kW	-	
23	T-O-D Peak - Subtrans.	-	kW (1)	$ -	kW	-	-	kW (1)	$ -	kW	-	
24	Demand Charge - Standby:											
25	T-O-D Facilities Reservation - Pri.	-	kW	$ 1.47	kW	-	-	kW	$ 1.47	kW	-	
26	T-O-D Facilities Res. - Subtrans.	2,400,000	kW	$ 1.47	kW	3,516,047	2,400,000	kW	$ 1.47	kW	3,528,000	
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.	280,026	kW (1)	$ 1.21	kW-mo.	338,897	280,026	kW (1)	$ 1.21	kW-mo.	338,831	
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.	13,285,009	kW (1)	$ 0.48	kW-day	6,407,007	13,285,009	kW (1)	$ 0.48	kW-day	6,376,804	
31	Total	2,534,292	kW			10,529,566	2,534,292	kW			10,659,941	1.2%
32												
33												
34	(1) Not included in Total.											
35												

Continued on Page 16

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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 12/31/2018

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	84,156	MVARh	$ 2.02	170,003	84,156	MVARh	$ 2.02	170,003	
6	Total	84,156	MVARh		170,003	84,156	MVARh		170,003	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	26,619	MVARh	$ (1.01)	(26,886)	26,619	MVARh	$ (1.01)	(26,886)	
11	Total	26,619	MVARh		(26,886)	26,619	MVARh		(26,886)	0.0%
12										
13	Emergency Relay Charge - Supp.									
14	T-O-D Primary	-	kW	$ 0.78	-	-	kW	$ 1.22	-	
15	T-O-D Subtransmission	-	kW	$ 0.78	-	-	kW	$ 1.22	-	
16	Total	-	kW		-	-	kW		-	0.0%
17										
18	Delivery Voltage Credit - Supplemental.:									
19	T-O-D Primary	-	kW	$ -	-	-	kW	$ -	-	
20	T-O-D Subtransmission	134,292	kW	$ (0.55)	(73,319)	134,292	kW	$ (0.85)	(114,148)	
21	Delivery Voltage Credit. - Standby.:									
22	T-O-D Primary	-	kW	$ -	-	-	kW	$ -	-	
23	T-O-D Subtransmission	2,400,000	kW	$ (0.34)	(808,036)	2,400,000	kW	$ (0.34)	(808,036)	
24	Total	2,534,292	kW		(881,355)	2,534,292	kW		(922,184)	4.6%
25										
26	Metering Voltage Adjustment - Supplemental and Stanby.:									
27	T-O-D Primary	-	$	0.0%	-	-	$	0.0%	-	
28	T-O-D Subtransmission	13,612,410	$	-1.0%	(136,124)	13,701,956	$	-1.0%	(137,020)	
29	Total	13,612,410	$		(136,124)	13,701,956	$		(137,020)	0.7%
30										
31										
32										
33	Total Base Revenue:				13,635,775				13,724,425	0.7%
34										
35										

Supporting Schedules:

Recap Schedules: E-13a

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-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 12/31/2018

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:	2,937	Bills	$ 10.57	31,055	2,937	Bills	$ 10.57	31,055	0.0%
3										
4	Energy Charge	173,595	MWH	$ 24.94	4,329,759	173,595	MWH	$ 25.09	4,355,499	0.6%
5										
6										
7	Total Base Revenue:				4,360,814				4,386,553	0.6%
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
32										
33										
34										
35										

Supporting Schedules: E-13d

Recap Schedules: E-13a

TAMPA ELECTRIC COMPANY
DOCKET NO. 2018_____-EI
EXHIBIT NO. ___ (WRA-1)
WITNESS: ASHBURN
DOCUMENT NO. 3

Rollup Base Revenue by Rate Class for Second SoBRA

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

FLORIDA PUBLIC SERVICE COMMISSION

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-EI

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 12/31/2018

($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	609,837	635,638	25,801	4.2%
2	GS, GST	63,096	65,682	2,586	4.1%
3	CS	1,211	1,237	26	2.2%
4	GSD, GSDT	297,172	312,023	14,851	5.0%
5	GSD Optional	28,062	29,472	1,410	5.0%
6	SBF, SBFT	4,521	4,674	153	3.4%
7	IS, IST	14,981	16,083	1,102	7.4%
8	SBI	13,636	13,724	89	0.7%
9	LS-1 (Energy Service)	4,361	4,387	26	0.6%
10	LS-1 (Facilities)	43,545	43,545	-	0.0%
11					
12					
13	TOTAL	$ 1,080,421	$ 1,126,466	$ 46,045	4.3%
14					
15					
16					
17					
18					
19					
20					
21					
22	Summary by Rate Class				
23	RS	609,837	635,638	25,801	4.2%
24					
25	GS	64,307	66,920	2,612	4.1%
26					
27	GSD	329,755	346,169	16,414	5.0%
28					
29	IS	28,617	29,808	1,191	4.2%
30					
31	Lighting	47,906	47,932	26	0.1%
32					
33	TOTAL	1,080,421	1,126,466	46,045	4.3%
34					
35					
36					

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

Recap Schedules:

TAMPA ELECTRIC COMPANY
DOCKET NO. 2018____-EI
EXHIBIT NO. ____ (WRA-1)
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TAMPA ELECTRIC COMPANY
DOCKET NO. 2018_____-EI
EXHIBIT NO. ___ (WRA-1)
WITNESS: ASHBURN
DOCUMENT NO. 4

Typical Bills Reflecting

Second 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 12/31/2018

COMPANY: TAMPA ELECTRIC COMPANY

RS - RESIDENTIAL SERVICE

DOCKET No. 2018____-EI

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	$ 20.02	$ 2.82	$ 0.25	$ 0.07	$ 0.34	$ 0.60	$ 24.09	$ 20.27	$ 2.70	$ 0.25	$ 0.07	$ 0.34	$ 0.61	$ 24.22	$ 0.13	0.5%	24.09	24.22
4																				
5	0	250	$ 27.36	$ 7.05	$ 0.62	$ 0.17	$ 0.86	$ 0.92	$ 36.97	$ 27.98	$ 6.74	$ 0.62	$ 0.17	$ 0.86	$ 0.93	$ 37.29	$ 0.32	0.9%	14.79	14.92
6																				
7	0	500	$ 39.60	$ 14.09	$ 1.23	$ 0.33	$ 1.72	$ 1.46	$ 58.43	$ 40.84	$ 13.48	$ 1.23	$ 0.33	$ 1.72	$ 1.48	$ 59.07	$ 0.64	1.1%	11.69	11.81
8																				
9	0	750	$ 51.84	$ 21.14	$ 1.85	$ 0.50	$ 2.57	$ 2.00	$ 79.89	$ 53.69	$ 20.22	$ 1.85	$ 0.50	$ 2.57	$ 2.02	$ 80.85	$ 0.96	1.2%	10.65	10.78
10																				
11	0	1,000	$ 64.08	$ 28.18	$ 2.46	$ 0.66	$ 3.43	$ 2.53	$ 101.35	$ 66.55	$ 26.96	$ 2.46	$ 0.66	$ 3.43	$ 2.57	$ 102.63	$ 1.28	1.3%	10.13	10.26
12																				
13	0	1,250	$ 78.60	$ 37.73	$ 3.08	$ 0.83	$ 4.29	$ 3.19	$ 127.70	$ 81.91	$ 36.20	$ 3.08	$ 0.83	$ 4.29	$ 3.24	$ 129.53	$ 1.83	1.4%	10.22	10.36
14																				
15	0	1,500	$ 93.11	$ 47.27	$ 3.69	$ 0.99	$ 5.15	$ 3.85	$ 154.06	$ 97.26	$ 45.44	$ 3.69	$ 0.99	$ 5.15	$ 3.91	$ 156.44	$ 2.38	1.5%	10.27	10.43
16																				
17	0	2,000	$ 122.14	$ 66.36	$ 4.92	$ 1.32	$ 6.86	$ 5.17	$ 206.77	$ 127.98	$ 63.92	$ 4.92	$ 1.32	$ 6.86	$ 5.26	$ 210.25	$ 3.48	1.7%	10.34	10.51
18																				
19	0	3,000	$ 180.20	$ 104.54	$ 7.38	$ 1.98	$ 10.29	$ 7.80	$ 312.20	$ 189.41	$ 100.88	$ 7.38	$ 1.98	$ 10.29	$ 7.95	$ 317.88	$ 5.69	1.8%	10.41	10.60
20																				
21	0	5,000	$ 296.32	$ 180.90	$ 12.30	$ 3.30	$ 17.15	$ 13.08	$ 523.05	$ 312.26	$ 174.80	$ 12.30	$ 3.30	$ 17.15	$ 13.33	$ 533.14	$ 10.09	1.9%	10.46	10.66
22																				
23																				

	PRESENT		PROPOSED	
CUSTOMER CHARGE	15.12	$/Bill	15.12	$/Bill
DEMAND CHARGE	-	$/KW	-	$/KW
ENERGY CHARGE				
0 - 1,000 KWH	4.896	¢/kWH	5.143	¢/kWH
Over 1,000 KWH	5.806	¢/kWH	6.143	¢/kWH
FUEL CHARGE				
0 - 1,000 KWH	2.818	¢/kWH	2.696	¢/kWH
Over 1,000 KWH	3.818	¢/kWH	3.696	¢/kWH
CONSERVATION CHARGE	0.246	¢/kWH	0.246	¢/kWH
CAPACITY CHARGE	0.066	¢/kWH	0.066	¢/kWH
ENVIRONMENTAL CHARGE	0.343	¢/kWH	0.343	¢/kWH

Note: Cost recovery clause factors for PRESENT are the current 2018 factors. 2019 fuel clause factors for PROPOSED bills above includes the full year fuel benefits of First SoBRA and Second SoBRA.

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

TAMPA ELECTRIC COMPANY
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SCHEDULE A-2 | FULL REVENUE REQUIREMENTS BILL COMPARISON - TYPICAL MONTHLY BILLS | Page 2 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 12/31/2018

COMPANY: TAMPA ELECTRIC COMPANY

GS - GENERAL SERVICE NON-DEMAND

DOCKET No. 2018____-EI

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	$ 23.31	$ 3.13	$ 0.23	$ 0.06	$ 0.34	$ 0.69	$ 27.77	$ 23.56	$ 3.01	$ 0.23	$ 0.06	$ 0.34	$ 0.70	$ 27.90	$ 0.13	0.5%	27.77	27.90
4																				
5	0	250	$ 31.06	$ 7.83	$ 0.58	$ 0.15	$ 0.86	$ 1.04	$ 41.51	$ 31.68	$ 7.53	$ 0.58	$ 0.15	$ 0.86	$ 1.05	$ 41.83	$ 0.32	0.8%	16.60	16.73
6																				
7	0	500	$ 43.97	$ 15.66	$ 1.16	$ 0.30	$ 1.72	$ 1.61	$ 64.42	$ 45.21	$ 15.05	$ 1.16	$ 0.30	$ 1.72	$ 1.63	$ 65.06	$ 0.64	1.0%	12.88	13.01
8																				
9	0	750	$ 56.88	$ 23.49	$ 1.74	$ 0.45	$ 2.57	$ 2.18	$ 87.32	$ 58.74	$ 22.58	$ 1.74	$ 0.45	$ 2.57	$ 2.21	$ 88.28	$ 0.97	1.1%	11.64	11.77
10																				
11	0	1,000	$ 69.80	$ 31.32	$ 2.32	$ 0.60	$ 3.43	$ 2.76	$ 110.22	$ 72.27	$ 30.10	$ 2.32	$ 0.60	$ 3.43	$ 2.79	$ 111.51	$ 1.29	1.2%	11.02	11.15
12																				
13	0	1,250	$ 82.71	$ 39.15	$ 2.90	$ 0.75	$ 4.29	$ 3.33	$ 133.12	$ 85.80	$ 37.63	$ 2.90	$ 0.75	$ 4.29	$ 3.37	$ 134.73	$ 1.61	1.2%	10.65	10.78
14																				
15	0	1,500	$ 95.62	$ 46.98	$ 3.48	$ 0.90	$ 5.15	$ 3.90	$ 156.03	$ 99.34	$ 45.15	$ 3.48	$ 0.90	$ 5.15	$ 3.95	$ 157.96	$ 1.93	1.2%	10.40	10.53
16																				
17	0	2,000	$ 121.45	$ 62.64	$ 4.64	$ 1.20	$ 6.86	$ 5.05	$ 201.83	$ 126.40	$ 60.20	$ 4.64	$ 1.20	$ 6.86	$ 5.11	$ 204.41	$ 2.58	1.3%	10.09	10.22
18																				
19	0	3,000	$ 173.10	$ 93.96	$ 6.96	$ 1.80	$ 10.29	$ 7.34	$ 293.44	$ 180.53	$ 90.30	$ 6.96	$ 1.80	$ 10.29	$ 7.43	$ 297.31	$ 3.87	1.3%	9.78	9.91
20																				
21	0	5,000	$ 276.40	$ 156.60	$ 11.60	$ 3.00	$ 17.15	$ 11.92	$ 476.67	$ 288.78	$ 150.50	$ 11.60	$ 3.00	$ 17.15	$ 12.08	$ 483.11	$ 6.44	1.4%	9.53	9.66
22																				
23	0	8,500	$ 457.18	$ 266.22	$ 19.72	$ 5.10	$ 29.16	$ 19.93	$ 797.31	$ 478.23	$ 255.85	$ 19.72	$ 5.10	$ 29.16	$ 20.21	$ 808.26	$ 10.95	1.4%	9.38	9.51

	PRESENT		PROPOSED	
CUSTOMER CHARGE	18.14	$/Bill	18.14	$/Bill
ENERGY CHARGE	5.165	¢/kWH	5.413	¢/kWH
FUEL CHARGE	3.132	¢/kWH	3.010	¢/kWH
CONSERVATION CHARGE	0.232	¢/kWH	0.232	¢/kWH
CAPACITY CHARGE	0.060	¢/kWH	0.060	¢/kWH
ENVIRONMENTAL CHARGE	0.343	¢/kWH	0.343	¢/kWH

Note: Cost recovery clause factors for PRESENT are the current 2018 factors. 2019 fuel clause factors for PROPOSED bills above includes the full year fuel benefits of First SoBRA and Second SoBRA.

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

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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 12/31/2018

COMPANY: TAMPA ELECTRIC COMPANY

GSD - GENERAL SERVICE DEMAND

DOCKET No. 2018____-EI

Line No.	RATE SCHEDULE GSD (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	75	10,950	$ 708.99	$ 342.95	$ 22.01	$ 5.15	$ 37.45	$ 28.63	$ 1,145.18	$ 741.45	$ 329.60	$ 22.01	$ 5.15	$ 37.45	$ 29.12	$ 1,164.77	$ 19.59	1.7%	10.46	10.64
2	75	19,163	$ 1,066.33	$ 600.17	$ 65.25	$ 15.00	$ 65.54	$ 46.47	$ 1,858.75	$ 1,129.59	$ 576.79	$ 65.25	$ 15.00	$ 65.54	$ 47.49	$ 1,899.66	$ 40.91	2.2%	9.70	9.91
3	75	32,850	$ 1,284.78	$ 1,028.86	$ 65.25	$ 15.00	$ 112.35	$ 64.26	$ 2,570.51	$ 1,348.05	$ 988.79	$ 65.25	$ 15.00	$ 112.35	$ 64.86	$ 2,594.29	$ 23.78	0.9%	7.82	7.90
4	75	49,275	$ 1,505.33	$ 1,536.27	$ 65.25	$ 15.00	$ 168.52	$ 84.37	$ 3,374.74	$ 1,568.18	$ 1,473.32	$ 65.25	$ 15.00	$ 168.52	$ 84.37	$ 3,374.64	$ (0.11)	0.0%	6.85	6.85
5																				
6	500	73,000	$ 4,555.21	$ 2,286.36	$ 146.73	$ 34.31	$ 249.66	$ 186.47	$ 7,458.74	$ 4,771.60	$ 2,197.30	$ 146.73	$ 34.31	$ 249.66	$ 189.73	$ 7,589.33	$ 130.59	1.8%	10.22	10.40
7	500	127,750	$ 6,937.44	$ 4,001.13	$ 435.00	$ 100.00	$ 436.91	$ 305.40	$ 12,215.87	$ 7,359.20	$ 3,845.28	$ 435.00	$ 100.00	$ 436.91	$ 312.21	$ 12,488.60	$ 272.73	2.2%	9.56	9.78
8	500	219,000	$ 8,393.83	$ 6,859.08	$ 435.00	$ 100.00	$ 748.98	$ 424.02	$ 16,960.92	$ 8,815.60	$ 6,591.90	$ 435.00	$ 100.00	$ 748.98	$ 427.99	$ 17,119.47	$ 158.55	0.9%	7.74	7.82
9	500	328,500	$ 9,864.14	$ 10,241.81	$ 435.00	$ 100.00	$ 1,123.47	$ 558.06	$ 22,322.48	$ 10,283.11	$ 9,822.15	$ 435.00	$ 100.00	$ 1,123.47	$ 558.04	$ 22,321.78	$ (0.70)	0.0%	6.80	6.80
10																				
11	2000	292,000	$ 18,130.10	$ 9,145.44	$ 586.92	$ 137.24	$ 998.64	$ 743.55	$ 29,741.88	$ 18,995.65	$ 8,789.20	$ 586.92	$ 137.24	$ 998.64	$ 756.61	$ 30,264.25	$ 522.37	1.8%	10.19	10.36
12	2000	511,000	$ 27,659.00	$ 16,004.52	$ 1,740.00	$ 400.00	$ 1,747.62	$ 1,219.26	$ 48,770.40	$ 29,346.07	$ 15,381.10	$ 1,740.00	$ 400.00	$ 1,747.62	$ 1,246.53	$ 49,861.33	$ 1,090.92	2.2%	9.54	9.76
13	2000	876,000	$ 33,484.59	$ 27,436.32	$ 1,740.00	$ 400.00	$ 2,995.92	$ 1,693.76	$ 67,750.60	$ 35,171.66	$ 26,367.60	$ 1,740.00	$ 400.00	$ 2,995.92	$ 1,709.62	$ 68,384.80	$ 634.21	0.9%	7.73	7.81
14	2000	1,314,000	$ 39,365.82	$ 40,967.24	$ 1,740.00	$ 400.00	$ 4,493.88	$ 2,229.92	$ 89,196.85	$ 41,041.72	$ 39,288.60	$ 1,740.00	$ 400.00	$ 4,493.88	$ 2,229.85	$ 89,194.05	$ (2.80)	0.0%	6.79	6.79
15																				

		PRESENT					PROPOSED				
		GSD	GSDT		GSD OPT.		GSD	GSDT		GSD OPT.	
16											
17											
18											
19	CUSTOMER CHARGE	30.25	30.25	$/Bill	30.25	$/Bill	30.25	30.25		30.25	$/Bill
20	DEMAND CHARGE	9.74	-	$/KW	-	$/KW	10.58	-	$/KW	-	$/KW
21	BILLING	-	3.28	$/KW	-	$/KW	-	3.57	$/KW	-	$/KW
22	PEAK	-	6.45	$/KW	-	$/KW	-	7.01	$/KW	-	$/KW
23	ENERGY CHARGE	1.596	-	¢/KWH	6.199	¢/KWH	1.596	-	¢/KWH	6.495	¢/KWH
24	ON-PEAK	-	2.922	¢/KWH	-	¢/KWH	-	2.922	¢/KWH	-	¢/KWH
25	OFF-PEAK	-	1.055	¢/KWH	-	¢/KWH	-	1.055	¢/KWH	-	¢/KWH
26	FUEL CHARGE	3.132	-	¢/KWH	3.132	¢/KWH	3.010	-	¢/KWH	3.010	¢/KWH
27	ON-PEAK		3.330	¢/KWH	-	¢/KWH		3.200	¢/KWH	-	¢/KWH
28	OFF-PEAK		3.047	¢/KWH	-	¢/KWH		2.920	¢/KWH	-	¢/KWH
29	CONSERVATION CHARGE	0.87	0.87	$/KW	0.201	¢/KWH	0.87	0.87	$/KW	0.201	¢/KWH
30	CAPACITY CHARGE	0.20	0.20	$/KW	0.047	¢/KWH	0.20	0.20	$/KW	0.047	¢/KWH
31	ENVIRONMENTAL CHARGE	0.342	0.342	¢/KWH	0.342	¢/KWH	0.342	0.342	¢/KWH	0.342	¢/KWH
32											

33 Notes:

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

35 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.

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

37 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.

38 E. Cost recovery clause factors for PRESENT are the current 2018 factors. 2019 fuel clause factors for PROPOSED bills above includes the full year fuel benefits of First SoBRA and Second SoBRA.

39

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

Recap Schedules:

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SCHEDULE A-2 | FULL REVENUE REQUIREMENTS BILL COMPARISON - TYPICAL MONTHLY BILLS | Page 4 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 12/31/2018

COMPANY: TAMPA ELECTRIC COMPANY

DOCKET No. 2018____-EI

IS - INTERRUPTIBLE SERVICE

RATE SCHEDULE IS-1

Line No.	(1) TYPICAL KW	(2) 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	$ 4,848	$ (1,772.75)	$ 3,961.53	$ 335.00	$ 70.00	$ 425.79	$ 202	$ 8,069	$ 5,402	$ (1,772.75)	$ 3,806.95	$ 335.00	$ 70.00	$ 425.41	$ 211.96	$ 8,478.29	$ 409	5.1%	6.32	6.64
2	500	219,000	$ 7,151	$ (3,039.00)	$ 6,791.19	$ 335.00	$ 70.00	$ 729.93	$ 309	$ 12,347	$ 7,705	$ (3,039.00)	$ 6,526.20	$ 335.00	$ 70.00	$ 729.27	$ 316.06	$ 12,642.59	$ 295	2.4%	5.64	5.77
3	500	328,500	$ 9,915	$ (4,558.50)	$ 10,140.80	$ 335.00	$ 70.00	$ 1,093.91	$ 436	$ 17,432	$ 10,469	$ (4,558.50)	$ 9,746.60	$ 335.00	$ 70.00	$ 1,093.91	$ 439.90	$ 17,595.95	$ 163	0.9%	5.31	5.36
4																						
5	1,000	255,500	$ 9,069	$ (3,545.50)	$ 7,923.06	$ 670.00	$ 140.00	$ 851.58	$ 387	$ 15,496	$ 10,176	$ (3,545.50)	$ 7,613.90	$ 670.00	$ 140.00	$ 850.82	$ 407.84	$ 16,313.44	$ 818	5.3%	6.06	6.38
6	1,000	438,000	$ 13,676	$ (6,078.00)	$ 13,582.38	$ 670.00	$ 140.00	$ 1,459.85	$ 601	$ 24,051	$ 14,783	$ (6,078.00)	$ 13,052.40	$ 670.00	$ 140.00	$ 1,458.54	$ 616.05	$ 24,642.05	$ 591	2.5%	5.49	5.63
7	1,000	657,000	$ 19,204	$ (9,117.00)	$ 20,281.59	$ 670.00	$ 140.00	$ 2,187.81	$ 856	$ 34,222	$ 20,311	$ (9,117.00)	$ 19,493.19	$ 670.00	$ 140.00	$ 2,187.81	$ 863.72	$ 34,548.78	$ 327	1.0%	5.21	5.26
8																						
9	5,000	1,277,500	$ 42,838	$ (17,727.50)	$ 39,615.28	$ 3,350.00	$ 700.00	$ 4,257.91	$ 1,873	$ 74,906	$ 48,374	$ (17,727.50)	$ 38,069.50	$ 3,350.00	$ 700.00	$ 4,254.08	$ 1,974.86	$ 78,994.66	$ 4,089	5.5%	5.86	6.18
10	5,000	2,190,000	$ 65,871	$ (30,390.00)	$ 67,911.90	$ 3,350.00	$ 700.00	$ 7,299.27	$ 2,942	$ 117,684	$ 71,407	$ (30,390.00)	$ 65,262.00	$ 3,350.00	$ 700.00	$ 7,292.70	$ 3,015.94	$ 120,637.70	$ 2,953	2.5%	5.37	5.51
11	5,000	3,285,000	$ 93,511	$ (45,585.00)	$ 101,407.95	$ 3,350.00	$ 700.00	$ 10,939.05	$ 4,213	$ 168,536	$ 99,047	$ (45,585.00)	$ 97,465.95	$ 3,350.00	$ 700.00	$ 10,939.05	$ 4,254.28	$ 170,171.34	$ 1,635	1.0%	5.13	5.18

		PRESENT IS	PRESENT IST		PROPOSED IS	PROPOSED IST	
15	CUSTOMER CHARGE	627.06	627.06	$/Bill	627.06	627.06	$/Bill
16	DEMAND CHARGE	1.99	1.99	$/KW	3.10	3.10	$/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	3.101	-	¢/kWH	2.980	-	¢/kWH
22	ON-PEAK	-	3.297	¢/kWH	-	3.168	¢/kWH
23	OFF-PEAK	-	3.017	¢/kWH	-	2.900	¢/kWH
24	CONSERVATION CHARGE	0.67	0.67	$/KW	0.67	0.67	$/KW
25	CAPACITY CHARGE	0.14	0.14	$/KW	0.14	0.14	$/KW
26	ENVIRONMENTAL CHARGE	0.333	0.333	¢/kWH	0.333	0.333	¢/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. Cost recovery clause factors for PRESENT are the current 2018 factors. 2019 fuel clause factors for PROPOSED bills above includes the full year fuel benefits of First SoBRA and Second SoBRA.

37 G. The present GSLM-2 Contract Credit Value represents the 2018 factor. The proposed GSLM-2 Contract Credit Value for 2018 is the same.

38

39

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

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Determination of Fuel Recovery Factor

for Second SoBRA

TAMPA ELECTRIC COMPANY
DETERMINATION OF FUEL RECOVERY FACTOR FOR SECOND SoBRA
ESTIMATED FOR THE PERIOD: JANUARY 2019 THROUGH DECEMBER 2019
FUEL SAVINGS - $17.2 M ANNUALLY

					NET ENERGY FOR LOAD (%)	FUEL COST (%)
				ON PEAK	30.13	$24.05
				OFF PEAK	69.87	$22.01
					100.00	1.0927
			TOTAL		ON PEAK	OFF PEAK
1	Total Fuel & Net Power Trans (Jurisd)		$627,802,929	3.2197		
2	MWH Sales (Jurisd)		19,544,119			
2a	Effective MWH Sales (Jurisd)		19,512,919			
3	Cost Per KWH Sold	(line 1 / line 2)	3.2122			
4	Jurisdictional Loss Factor		1.00000			
5	Jurisdictional Fuel Factor		na			
6	True-Up		($17,081,137)	-0.0876		
6a	First SoBRA Fuel Savings (8 of 12 months)		($6,600,000)			
6b	Second SoBRA Fuel Savings		($17,200,000)			
7	TOTAL	(line 1 x line 4)+line 6	$586,921,792			
8	Revenue Tax Factor		1.00072			
9	Recovery Factor	(line 7 x line 8) / line 2a	3.0100			
10	GPIF Factor		0.0002	0.0002		
11	Recovery Factor Including GPIF	(line 9 + line 10)	3.0102	3.1323	3.1999	2.9285
12	Recovery Factor Rounded to the Nearest .001 cents/KWH		3.010		3.200	2.929

	Jurisdictional Sales (MWH)	
Metering Voltage:	Meter	Secondary
Distribution Secondary	17,160,490	17,160,490
Distribution Primary	1,647,281	1,630,808
Transmission	736,348	721,621
Total	19,544,119	19,512,919

Rate Schedules		2018 Approved Rates with First & Second SoBRA Fuel Savings *			2018 Approved Rates including First SoBRA incremental $6.6 M Fuel Savings**			Rate Impact of Second SoBRA 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	3.010	3.200	2.929	3.098	3.294	3.014	-0.088	-0.094	-0.085
GSD (Opt), GSD, GSDT, SBF, SBFT, IS, IST, SBI	Distribution Primary	2.980	3.168	2.900	3.067	3.261	2.984	-0.087	-0.093	-0.084
GSD (Opt), GSD, GSDT, SBF, SBFT, IS, IST, SBI	Transmission	2.950	3.136	2.870	3.036	3.228	2.954	-0.086	-0.092	-0.084
	RS 1st Tier	2.696			2.784			-0.088		
	RS 2nd Tier	3.696			3.784			-0.088		
	Lighting	2.975			3.095			-0.120		

* Calculated above. Includes First SoBRA annual fuel savings of $9.9 ($3.3 in 2018 approved rates and $6.6 incremental amount) and $17.2 Second SoBRA annual fuel savings.
** Current approved rates per tariff schedules less First SoBRA fuel savings.
*** Current approved rates and total annual First and Second SoBRA fuel savings of $27.1 M, less 2018 rates including First SoBRA annual fuel savings of $9.9 M.

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Redlined Tariffs

Reflecting Second SoBRA Base Revenue Increase

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~TWENTY-FOURTH~~_____ REVISED SHEET NO. 6.030

CANCELS ~~TWENTY-THIRD~~_____ 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	~~4.896~~5.143¢ per kWh
All additional kWh	~~5.806~~6.143¢ 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-FIFTH~~_____ REVISED SHEET NO. 6.050

CANCELS ~~TWENTY-FOURTH~~_____ 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.~~165~~413¢ 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.~~156~~164¢ 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-FOURTH~~_____ REVISED SHEET NO. 6.080

CANCELS ~~TWENTY-THIRD~~_____ 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	$ 30.25	Secondary Metering Voltage	$ 30.25
Primary Metering Voltage	$ 131.06	Primary Metering Voltage	$ 131.06
Subtrans. Metering Voltage	$ 998.05	Subtrans. Metering Voltage	$ 998.05
Demand Charge:		Demand Charge:	
$~~9.74~~10.58 per kW of billing demand		$0.00 per kW of billing demand	
Energy Charge:		Energy Charge:	
1.596¢ per kWh		6.~~199~~495¢ 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

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~TWENTY-SECOND~~_____ REVISED SHEET NO. 6.081

CANCELS ~~TWENTY-FIRST~~_____ 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 ~~79~~86¢ per kW of billing demand will apply. A discount of $2.~~45~~66 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

~~NINTH~~ _____ REVISED SHEET NO. 6.082
CANCELS ~~EIGHTH~~ _____ 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.~~209~~227¢ per kWh will apply. A discount of 0.~~639~~694¢ 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 ~~63~~68¢ per kW of billing demand for customers taking service under the standard rate and 0.~~158~~172¢/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-SECOND~~_____ REVISED SHEET NO. 6.085

CANCELS ~~TWENTY-FIRST~~_____ 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	$ 627.06
Subtransmission Metering Voltage	$2,391.29

Demand Charge:
$~~1.99~~3.10 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-FIRST~~ _____ REVISED SHEET NO. 6.086
CANCELS ~~TWENTIETH~~ _____ 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 ~~55~~85¢ per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~78~~1.22¢ 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

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~THIRTIETH~~ _____ REVISED SHEET NO. 6.290
CANCELS ~~TWENTY-NINTH~~ _____ 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.~~165~~413¢ 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.

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~TWENTY-FOURTH~~_____ REVISED SHEET NO. 6.320

CANCELS ~~TWENTY-THIRD~~_____ 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:
~~13.183~~14.965¢ per kWh during peak hours
~~1.406~~2.109¢ 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

~~TWENTIETH~~ _____ REVISED SHEET NO. 6.321
CANCELS ~~NINETEENTH~~ _____ 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: (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.~~156~~164¢ 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-FIFTH~~_____ REVISED SHEET NO. 6.330

CANCELS ~~TWENTY-FOURTH~~_____ 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	$ 30.25
Primary Metering Voltage	$ 131.06
Subtransmission Metering Voltage	$ 998.05

Demand Charge:

$3.~~28~~ 57 per kW of billing demand, plus
$~~6.45~~7.01 per kW of peak billing demand

Energy Charge:

2.922¢ per kWh during peak hours
1.055¢ 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-FIRST~~ _____ REVISED SHEET NO. 6.332
CANCELS ~~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 ~~79~~86¢ per kW of billing demand will apply. When the customer takes service at subtransmission or higher voltage, a discount of $2.~~45~~ 66 per kW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~63~~68¢ 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-SECOND~~_____ REVISED SHEET NO. 6.340

CANCELS ~~TWENTY-FIRST~~_____ 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	$ 627.06
Subtransmission Metering Voltage	$2,391.29

Demand Charge:
$~~1.99~~3.10 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-SEVENTH~~_____ REVISED SHEET NO. 6.350

CANCELS ~~TWENTY-SIXTH~~_____ 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 ~~55~~85¢ per KW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be ~~78~~1.22¢ 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

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

Continued from Sheet No. 6.560

MONTHLY RATES:
Basic Service Charge: $15.12

Energy and Demand Charges: 5.~~182~~457¢ 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

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

Continued from Sheet No. 6.600

CHARGES FOR SUPPLEMENTAL SERVICE:

Demand Charge:
$~~9.74~~10.58 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

SEVENTEENTH REVISED SHEET NO. 6.603
CANCELS SIXTEENTH 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 ~~79~~86¢ 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.~~45~~ 66 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 ~~63~~68¢ 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

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

Continued from Sheet No. 6.605

CHARGES FOR SUPPLEMENTAL SERVICE

Demand Charge:

$3.~~28~~57	per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus
$~~6.45~~7.01	per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing Demand Charge)

Energy Charge:

2.922¢	per Supplemental kWh during peak hours
1.055¢	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

TECO TAMPA ELECTRIC AN EMERA COMPANY

~~FOURTEENTH~~ _____ REVISED SHEET NO. 6.608
CANCELS ~~THIRTEENTH~~ _____ 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 ~~79~~86¢ 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.~~45~~ 66 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 ~~63~~68¢ 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

~~TENTH~~ _____ REVISED SHEET NO. 6.700
CANCELS ~~NINTH~~ _____ 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	$652.26
Subtransmission Metering Voltage	$2,416.50

Demand Charge:

$~~1.99~~3.10 per KW-Month of Supplemental Demand (Supplemental Demand Charge)
$1.47 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

~~EIGHTH~~ _____ REVISED SHEET NO. 6.715
CANCELS ~~SEVENTH~~ _____ 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 ~~55~~85¢ 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 ~~78~~1.22¢ 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

~~EIGHTH~~ _____ REVISED SHEET NO. 6.805
CANCELS ~~SEVENTH~~ _____ 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	0.55	0.27
802	862	Cobra/Nema[1]	6,300	70	29	14	3.20	2.11	0.79	0.38
803	863	Cobra/Nema[1]	9,500	100	44	22	3.63	2.33	1.20	0.60
804	864	Cobra[1]	16,000	150	66	33	4.18	2.02	1.80	0.90
805	865	Cobra[1]	28,500	250	105	52	4.87	2.60	2.86	1.42
806	866	Cobra[1]	50,000	400	163	81	5.09	2.99	4.45	2.21
468	454	Flood[1]	28,500	250	105	52	5.37	2.60	2.86	1.42
478	484	Flood[1]	50,000	400	163	81	5.71	3.00	4.45	2.21
809	869	Mongoose[1]	50,000	400	163	81	6.50	3.02	4.45	2.21
509	508	Post Top (PT)[1]	4,000	50	20	10	3.98	2.48	0.55	0.27
570	530	Classic PT[1]	9,500	100	44	22	11.85	1.89	1.20	0.60
810	870	Coach PT[1]	6,300	70	29	14	4.71	2.11	0.79	0.38
572	532	Colonial PT[1]	9,500	100	44	22	11.75	1.89	1.20	0.60
573	533	Salem PT[1]	9,500	100	44	22	9.03	1.89	1.20	0.60
550	534	Shoebox[1]	9,500	100	44	22	8.01	1.89	1.20	0.60
566	536	Shoebox[1]	28,500	250	105	52	8.69	3.18	2.86	1.42
552	538	Shoebox[1]	50,000	400	163	81	9.52	2.44	4.45	2.21

[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.~~494~~509¢ 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

~~SIXTH~~ _____ REVISED SHEET NO. 6.806
CANCELS ~~FIFTH~~ _____ 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	3.76	1.88
520	522	Cobra[1]	32,000	400	159	79	6.03	4.01	4.34	2.15
705	725	Flood[1]	29,700	350	138	69	8.55	5.04	3.76	1.88
556	541	Flood[1]	32,000	400	159	79	8.36	4.02	4.34	2.15
558	578	Flood[1]	107,800	1,000	383	191	10.50	8.17	10.44	5.21
701	721	General PT[1]	12,000	150	67	34	10.60	3.92	1.83	0.93
574	548	General PT[1]	14,400	175	74	37	10.89	3.73	2.02	1.01
700	720	Salem PT[1]	12,000	150	67	34	9.33	3.92	1.83	0.93
575	568	Salem PT[1]	14,400	175	74	37	9.38	3.74	2.02	1.01
702	722	Shoebox[1]	12,000	150	67	34	7.22	3.92	1.83	0.93
564	549	Shoebox[1]	12,800	175	74	37	7.95	3.70	2.02	1.01
703	723	Shoebox[1]	29,700	350	138	69	9.55	4.93	3.76	1.88
554	540	Shoebox[1]	32,000	400	159	79	10.02	3.97	4.34	2.15
576	577	Shoebox[1]	107,800	1,000	383	191	16.50	8.17	10.44	5.21

[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.~~494~~509¢ 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

~~SEVENTH~~ _____ REVISED SHEET NO. 6.808
CANCELS ~~SIXTH~~ _____ 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	0.55	0.27
820	840	Roadway [1]	7,577	103	36	18	11.15	1.19	0.98	0.49
821	841	Roadway[1]	8,300	106	37	19	11.15	1.20	1.01	0.52
829	849	Roadway[1]	15,285	157	55	27	11.10	2.26	1.50	0.74
822	842	Roadway[1]	15,300	196	69	34	14.58	1.26	1.88	0.93
823	843	Roadway[1]	14,831	206	72	36	16.80	1.38	1.96	0.98
835	855	Post Top[1]	5,176	60	21	11	16.53	2.28	0.57	0.30
824	844	Post Top[1]	3,974	67	24	12	19.67	1.54	0.65	0.33
825	845	Post Top[1]	6,030	99	35	17	20.51	1.56	0.95	0.46
836	856	Post Top[1]	7,360	100	35	18	16.70	2.28	0.95	0.49
830	850	Area-Lighter[1]	14,100	152	53	27	14.85	2.51	1.45	0.74
826	846	Area-Lighter[1]	13,620	202	71	35	19.10	1.41	1.94	0.95
827	847	Area-Lighter[1]	21,197	309	108	54	20.60	1.55	2.95	1.47
831	851	Flood[1]	22,122	238	83	42	15.90	3.45	2.26	1.15
832	852	Flood[1]	32,087	359	126	63	19.16	4.10	3.44	1.72
833	853	Mongoose[1]	24,140	245	86	43	14.71	3.04	2.35	1.17
834	854	Mongoose[1]	32,093	328	115	57	16.31	3.60	3.14	1.55

[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.~~494~~509¢ 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

~~SECOND~~ _____ REVISED SHEET NO. 6.809
CANCELS ~~FIRST~~ _____ 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	0.25	0.14
914		Roadway	5,392	47	16		5.97	1.74	0.44	
921		Roadway/Area	8,500	88	31		8.97	1.74	0.85	
926	982	Roadway	12,414	105	37	18	6.83	1.19	1.01	0.49
932		Roadway/Area	15,742	133	47		14.15	1.38	1.28	
935		Area-Lighter	16,113	143	50		11.74	1.41	1.36	
937		Roadway	16,251	145	51		8.61	2.26	1.39	
941	983	Roadway	22,233	182	64	32	11.81	2.51	1.75	0.87
945		Area-Lighter	29,533	247	86		16.07	2.51	2.35	
947	984	Area-Lighter	33,600	330	116	58	20.13	1.55	3.16	1.58
951	985	Flood	23,067	199	70	35	11.12	3.45	1.91	0.95
953	986	Flood	33,113	255	89	45	21.48	4.10	2.43	1.23
956	987	Mongoose	23,563	225	79	39	11.78	3.04	2.15	1.06
958		Mongoose	34,937	333	117		17.84	3.60	3.19	
965		Granville Post Top (PT)	3,024	26	9		5.80	2.28	0.25	
967	988	Granville PT	4,990	39	14	7	13.35	2.28	0.38	0.19
968	989	Granville PT Enh(4)	4,476	39	14	7	15.35	2.28	0.38	0.19
971		Salem PT	5,240	55	19		10.95	1.54	0.52	
972		Granville PT	7,076	60	21		14.62	2.28	0.57	
973		Granville PT Enh(4)	6,347	60	21		16.62	2.28	0.57	
975	990	Salem PT	7,188	76	27	13	13.17	1.54	0.74	.35

(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.~~494~~509¢ 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

~~SIXTH~~ _____ REVISED SHEET NO. 6.815
CANCELS ~~FIFTH~~ _____ 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.~~494~~509¢ 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

TAMPA ELECTRIC COMPANY
DOCKET NO. 2018_____-EI
EXHIBIT NO. ___ (WRA-1)
WITNESS: ASHBURN
DOCUMENT NO. 7

Clean Tariffs

Reflecting Second SoBRA Base Revenue Increase

TECO TAMPA ELECTRIC AN EMERA COMPANY

_____ REVISED SHEET NO. 6.030
CANCELS _____ 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	5.143¢ per kWh
All additional kWh	6.143¢ 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

_____ REVISED SHEET NO. 6.050
CANCELS _____ 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:
5.413¢ 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¢ 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

_____ REVISED SHEET NO. 6.080
CANCELS _____ 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	$ 30.25	Secondary Metering Voltage	$ 30.25
Primary Metering Voltage	$ 131.06	Primary Metering Voltage	$ 131.06
Subtrans. Metering Voltage	$ 998.05	Subtrans. Metering Voltage	$ 998.05
Demand Charge:		Demand Charge:	
$10.58 per kW of billing demand		$0.00 per kW of billing demand	
Energy Charge:		Energy Charge:	
1.596¢ per kWh		6.495¢ 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

_____ REVISED SHEET NO. 6.081
CANCELS _____ 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¢ per kW of billing demand will apply. A discount of $2.66 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

_____ REVISED SHEET NO. 6.082
CANCELS _____ 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 0.227¢ per kWh will apply. A discount of 0.694¢ 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¢ per kW of billing demand for customers taking service under the standard rate and 0.172¢/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

_____ REVISED SHEET NO. 6.085
CANCELS _____ 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	$ 627.06
Subtransmission Metering Voltage	$2,391.29

Demand Charge:
$3.10 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

_____ REVISED SHEET NO. 6.086
CANCELS _____ 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¢ 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¢ 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

_____ REVISED SHEET NO. 6.290
CANCELS _____ 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: 5.413¢ 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.

TECO TAMPA ELECTRIC AN EMERA COMPANY

_____ REVISED SHEET NO. 6.320
CANCELS _____ 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:
14.965¢ per kWh during peak hours
2.109¢ 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

_____ REVISED SHEET NO. 6.321
CANCELS _____ 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: (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¢ 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

_____ REVISED SHEET NO. 6.330
CANCELS _____ 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	$ 30.25
Primary Metering Voltage	$ 131.06
Subtransmission Metering Voltage	$ 998.05

Demand Charge:
$3.57 per kW of billing demand, plus
$7.01 per kW of peak billing demand

Energy Charge:
2.922¢ per kWh during peak hours
1.055¢ 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

_____ REVISED SHEET NO. 6.332
CANCELS _____ 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¢ per kW of billing demand will apply. When the customer takes service at subtransmission or higher voltage, a discount of $2.66 per kW of billing demand will apply.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 68¢ 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

_____ REVISED SHEET NO. 6.340
CANCELS _____ 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	$ 627.06
Subtransmission Metering Voltage	$2,391.29

Demand Charge:
$3.10 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

_____ REVISED SHEET NO. 6.350
CANCELS _____ 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¢ 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¢ 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

_____ REVISED SHEET NO. 6.565
CANCELS _____ REVISED SHEET NO. 6.565

Continued from Sheet No. 6.560

MONTHLY RATES:
Basic Service Charge: $15.12

Energy and Demand Charges: 5.457¢ 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

_____ REVISED SHEET NO. 6.601
CANCELS _____ REVISED SHEET NO. 6.601

Continued from Sheet No. 6.600

CHARGES FOR SUPPLEMENTAL SERVICE:

Demand Charge:
$10.58 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

SEVENTEENTH REVISED SHEET NO. 6.603
CANCELS SIXTEENTH 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¢ 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 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¢ 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

_____ REVISED SHEET NO. 6.606
CANCELS _____ REVISED SHEET NO. 6.606

Continued from Sheet No. 6.605

CHARGES FOR SUPPLEMENTAL SERVICE

Demand Charge:

$3.57	per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus
$7.01	per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing Demand Charge)

Energy Charge:

2.922¢	per Supplemental kWh during peak hours
1.055¢	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

_____ REVISED SHEET NO. 6.608
CANCELS _____ 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¢ 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 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¢ 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

_____ REVISED SHEET NO. 6.700
CANCELS _____ 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	$652.26
Subtransmission Metering Voltage	$2,416.50

Demand Charge:

$3.10 per KW-Month of Supplemental Demand (Supplemental Demand Charge)
$1.47 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

_____ REVISED SHEET NO. 6.715
CANCELS _____ 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¢ 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¢ 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

_____ REVISED SHEET NO. 6.805
CANCELS _____ 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	0.55	0.27
802	862	Cobra/Nema[1]	6,300	70	29	14	3.20	2.11	0.79	0.38
803	863	Cobra/Nema[1]	9,500	100	44	22	3.63	2.33	1.20	0.60
804	864	Cobra[1]	16,000	150	66	33	4.18	2.02	1.80	0.90
805	865	Cobra[1]	28,500	250	105	52	4.87	2.60	2.86	1.42
806	866	Cobra[1]	50,000	400	163	81	5.09	2.99	4.45	2.21
468	454	Flood[1]	28,500	250	105	52	5.37	2.60	2.86	1.42
478	484	Flood[1]	50,000	400	163	81	5.71	3.00	4.45	2.21
809	869	Mongoose[1]	50,000	400	163	81	6.50	3.02	4.45	2.21
509	508	Post Top (PT)[1]	4,000	50	20	10	3.98	2.48	0.55	0.27
570	530	Classic PT[1]	9,500	100	44	22	11.85	1.89	1.20	0.60
810	870	Coach PT[1]	6,300	70	29	14	4.71	2.11	0.79	0.38
572	532	Colonial PT[1]	9,500	100	44	22	11.75	1.89	1.20	0.60
573	533	Salem PT[1]	9,500	100	44	22	9.03	1.89	1.20	0.60
550	534	Shoebox[1]	9,500	100	44	22	8.01	1.89	1.20	0.60
566	536	Shoebox[1]	28,500	250	105	52	8.69	3.18	2.86	1.42
552	538	Shoebox[1]	50,000	400	163	81	9.52	2.44	4.45	2.21

[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¢ 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

_____ REVISED SHEET NO. 6.806
CANCELS _____ REVISED 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	3.76	1.88
520	522	Cobra[1]	32,000	400	159	79	6.03	4.01	4.34	2.15
705	725	Flood[1]	29,700	350	138	69	8.55	5.04	3.76	1.88
556	541	Flood[1]	32,000	400	159	79	8.36	4.02	4.34	2.15
558	578	Flood[1]	107,800	1,000	383	191	10.50	8.17	10.44	5.21
701	721	General PT[1]	12,000	150	67	34	10.60	3.92	1.83	0.93
574	548	General PT[1]	14,400	175	74	37	10.89	3.73	2.02	1.01
700	720	Salem PT[1]	12,000	150	67	34	9.33	3.92	1.83	0.93
575	568	Salem PT[1]	14,400	175	74	37	9.38	3.74	2.02	1.01
702	722	Shoebox[1]	12,000	150	67	34	7.22	3.92	1.83	0.93
564	549	Shoebox[1]	12,800	175	74	37	7.95	3.70	2.02	1.01
703	723	Shoebox[1]	29,700	350	138	69	9.55	4.93	3.76	1.88
554	540	Shoebox[1]	32,000	400	159	79	10.02	3.97	4.34	2.15
576	577	Shoebox[1]	107,800	1,000	383	191	16.50	8.17	10.44	5.21

[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¢ 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

CANCELS _____ REVISED SHEET NO. 6.808

_____ 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	0.55	0.27
820	840	Roadway [1]	7,577	103	36	18	11.15	1.19	0.98	0.49
821	841	Roadway[1]	8,300	106	37	19	11.15	1.20	1.01	0.52
829	849	Roadway[1]	15,285	157	55	27	11.10	2.26	1.50	0.74
822	842	Roadway[1]	15,300	196	69	34	14.58	1.26	1.88	0.93
823	843	Roadway[1]	14,831	206	72	36	16.80	1.38	1.96	0.98
835	855	Post Top[1]	5,176	60	21	11	16.53	2.28	0.57	0.30
824	844	Post Top[1]	3,974	67	24	12	19.67	1.54	0.65	0.33
825	845	Post Top[1]	6,030	99	35	17	20.51	1.56	0.95	0.46
836	856	Post Top[1]	7,360	100	35	18	16.70	2.28	0.95	0.49
830	850	Area-Lighter[1]	14,100	152	53	27	14.85	2.51	1.45	0.74
826	846	Area-Lighter[1]	13,620	202	71	35	19.10	1.41	1.94	0.95
827	847	Area-Lighter[1]	21,197	309	108	54	20.60	1.55	2.95	1.47
831	851	Flood[1]	22,122	238	83	42	15.90	3.45	2.26	1.15
832	852	Flood[1]	32,087	359	126	63	19.16	4.10	3.44	1.72
833	853	Mongoose[1]	24,140	245	86	43	14.71	3.04	2.35	1.17
834	854	Mongoose[1]	32,093	328	115	57	16.31	3.60	3.14	1.55

[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¢ 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

_____ REVISED SHEET NO. 6.809
CANCELS _____ 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	0.25	0.14
914		Roadway	5,392	47	16		5.97	1.74	0.44	
921		Roadway/Area	8,500	88	31		8.97	1.74	0.85	
926	982	Roadway	12,414	105	37	18	6.83	1.19	1.01	0.49
932		Roadway/Area	15,742	133	47		14.15	1.38	1.28	
935		Area-Lighter	16,113	143	50		11.74	1.41	1.36	
937		Roadway	16,251	145	51		8.61	2.26	1.39	
941	983	Roadway	22,233	182	64	32	11.81	2.51	1.75	0.87
945		Area-Lighter	29,533	247	86		16.07	2.51	2.35	
947	984	Area-Lighter	33,600	330	116	58	20.13	1.55	3.16	1.58
951	985	Flood	23,067	199	70	35	11.12	3.45	1.91	0.95
953	986	Flood	33,113	255	89	45	21.48	4.10	2.43	1.23
956	987	Mongoose	23,563	225	79	39	11.78	3.04	2.15	1.06
958		Mongoose	34,937	333	117		17.84	3.60	3.19	
965		Granville Post Top (PT)	3,024	26	9		5.80	2.28	0.25	
967	988	Granville PT	4,990	39	14	7	13.35	2.28	0.38	0.19
968	989	Granville PT Enh(4)	4,476	39	14	7	15.35	2.28	0.38	0.19
971		Salem PT	5,240	55	19		10.95	1.54	0.52	
972		Granville PT	7,076	60	21		14.62	2.28	0.57	
973		Granville PT Enh(4)	6,347	60	21		16.62	2.28	0.57	
975	990	Salem PT	7,188	76	27	13	13.17	1.54	0.74	.35

(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¢ 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

CANCELS _____ REVISED SHEET NO. 6.815

_____ 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¢ 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

REDACTED

BEFORE THE
FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 2018____-EI
IN RE: PETITION BY TAMPA ELECTRIC COMPANY FOR A LIMITED PROCEEDING TO APPROVE SECOND SOBRA EFFECTIVE JANUARY 1, 2019

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-four years of combined professional experience as a Department of Defense contractor and working for public utilities and independent power producers. Twenty-one 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.

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 Second SoBRA projects ("Second SoBRA ") expected to be in service by January 1, 2019; and (3) demonstrate that the projected installed costs for the five (5) Second 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 five (5) documents:

Document No. 1	Lithia Solar Project Specifications and Projected Costs
Document No. 2	Grange Hall Solar Project Specifications and Projected Costs
Document No. 3	Peace Creek Solar Project Specifications and Projected Costs
Document No. 4	Bonnie Mine Solar Project Specifications and Projected Costs
Document No. 5	Lake Hancock 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 five (5) Second SoBRA projects (Lithia, Grange Hall, Peace Creek, Bonnie Mine, and Lake Hancock) for which cost recovery is requested as well as their projected in-service dates and installed cost per kW_{ac}. Tampa Electric's witness R. James Rocha uses the projected installed project cost in my

direct testimony to calculate the annual revenue requirement for the Second 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 Second SoBRA.

TAMPA ELECTRIC'S SOLAR PLANS

Q. Please describe the company's overall plan to install solar photovoltaic ("PV") generating facilities.

A. Over the next three (3) years, 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 six 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 plans to place another 278 MW in-service as of January 1, 2019, and approximately 127 MW in-service by January 1, 2020, with the balance, approximately 50 MW, in-service by January 1, 2021.

The focus of my prepared direct testimony is the company's planned Second SoBRA projects, totaling 278 MW with a projected in-service date of January 1, 2019. The maximum allowable MW that may be included for cost recovery as part of Second SoBRA, including unused carry-over capacity from the First SoBRA, is 260.3 MW. The MW to be constructed will exceed the maximum SoBRA amount available for cost recovery due to available land plot sizes, project economies of scale and operational efficiency considerations, but the company is only seeking cost recovery for 260.3 MW in this proceeding. In his direct testimony, witness Rocha discusses how the company is complying with the provisions of the 2017

Agreement, including the maximum solar generation that can be recovered for the Second SoBRA.

SECOND SOBRA PROJECTS

Q. Please describe the five (5) Second SoBRA projects.

A. The five (5) Second SoBRA projects are known as the Lithia, Grange Hall, Peace Creek, Bonnie Mine, and Lake Hancock Solar Projects. The projects use single axis tracking systems, each designed to produce the optimal energy output for the particular site conditions. The 74.5 MW Lithia Solar Project is located in Hillsborough County, Florida on 580 acres of old orange groves. The 61.1 MW Grange Hall Solar Project is located in Hillsborough County, Florida on 447 acres of agricultural land. The 55.4 MW Peace Creek Solar Project is located in Polk County, Florida on 417 acres of agricultural land. The 37.5 MW Bonnie Mine Solar Project is located in Polk County, Florida on 352 acres of a reclaimed phosphate mine. The 49.5 MW Lake Hancock Solar Project is located in Polk County, Florida on 358 acres of agricultural land. 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 Second SoBRA projects to begin commercial service?

A. Based on the current engineering, procurement and construction schedules, the company expects the five (5) projects to be complete and in-service on or before January 1, 2019.

Q. What arrangements has the company made to design and build the Second SoBRA projects?

A. The Second SoBRA projects were designed and will be built using the same general arrangements and processes that were used for the First SoBRA and as described in my prepared direct testimony in Docket No. 20170260-EI.

The company used a competitive process to review qualifications and experience and identify and select full-service solar developers. Three full-service solar developers were selected to enter into contract negotiations to provide project development and EPC services for the 600 MW of Tampa Electric solar projects.

Tampa Electric employed a Request for Information ("RFI") process to collect information from the bidders with

respect to their qualifications, capabilities and experience as full-service solar developers. The RFI was provided to more than 60 companies with whom Tampa Electric had met or discussed the development and construction of utility scale solar projects. Tampa Electric received more than 30 responses from solar developers or solar EPC companies. The company used the information from the RFI responses to select a shortlist of four full-service solar developers.

The shortlisted developers were asked to provide pricing for seven solar PV projects that ranged in size from 20 to 74.5 MW_{AC}. The pricing information was broken out for engineering and permitting, equipment, balance of system, installation and interconnection. The projects were based on sites that Tampa Electric has purchased or for which it has site control. During the pricing phase of the selection process one developer withdrew. The pricing evaluation was conducted during May 2017 and included interviews with each developer.

Tampa Electric selected First Solar Electric, LLC as its full-service solar developer and EPC contractor for the Grange Hall, Peace Creek, and Lake Hancock projects; Invenergy as its developer and EPC contractor for the

Lithia Solar Project; and Swinerton as the developer and EPC contractor for the Bonnie Mine Solar Project.

The contractors were selected based on their qualifications, experience, and proposed project costs. First Solar Electric is based in Tempe, Arizona and has engineered, developed, and installed more than five gigawatts of solar generation worldwide. Invenergy is based in Chicago, Illinois; it is an Independent Power Producer that has developed and constructed more than 26 gigawatts of natural gas, wind, and solar powered generation. Of the 26 gigawatts developed by Invenergy, 635 MW are PV solar. Swinerton is a renewable energy construction company that has constructed more than three gigawatts of PV solar projects. Invenergy and Swinerton were selected as contractors based on qualifications, experience, proposed project costs, and because they originated their respective project sites.

Q. Has the company procured the land necessary for the solar projects?

A. Yes, Tampa Electric has purchased land for the five projects that will be located in Hillsborough and Polk Counties. Tampa Electric employed a screening and due

diligence process to select its solar sites. The sites were evaluated and selected after considering environmental assessments, size of the project sites, proximity to Tampa Electric transmission facilities, cost of land, and suitability of the sites for solar PV construction. The five (5) sites are between approximately 352 and 580 acres in size.

Q. What is the status of project design and engineering for the Second SoBRA?

A. Lithia, Grange Hall and Peace Creek are permitted and in various states of construction. Bonnie Mine and Lake Hancock are in the later stages of engineering and design, with documentation and permit applications completed and submitted to state and local permitting agencies. Long lead time equipment has been or is being procured for all projects.

Q. Has the company purchased PV modules necessary to construct the projects?

A. Yes. The company entered into a contract for the purchase of PV modules (i.e., solar panels) from First Solar, Inc. First Solar is obligated to complete the delivery of the

modules needed for the Second SoBRA projects before the end of November 2018. The delivery of modules to the Second SoBRA projects will be staged over several weeks between August 2018 through November 2018 to ensure the projects are operational by January 1, 2019.

Q. What other procedures did the company use to ensure that the costs of the projects are reasonable?

A. Tampa Electric's used the RFI process to ensure that the costs of the projects are reasonable. The four (4) shortlisted candidates were selected from the 30 respondents to the RFI. Each of the four (4) candidates were provided several sites that Tampa Electric had purchased or controlled and were asked to provide proposals for the specific sites. The proposals were reviewed, and meetings were held with the candidates. The cost proposals submitted by the candidates for sites similar in size to the Second SoBRA fell within a range of three to seven percent of one another.

Tampa Electric also monitors published costs of other projects, particularly those in Florida. The most recent NREL report that benchmark's EPC solar costs, "U.S. Solar Photovoltaic System Cost Benchmark: Q1 2017" shows 100 MW

utility scale PV systems with single axis tracking as $1,274/kW_{ac}$ for EPC only costs. Tampa Electric's Second SoBRA EPC cost average $1,211/kW_{ac}$.

Lastly, in Docket No. 20170001-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 $1,462/kW_{ac}$ to $1,534/kW_{ac}$. In comparison, Tampa Electric's Second SoBRA average cost is $1,476/kW_{ac}$.

Q. Are the costs of the solar modules to be used in the Second SoBRA subject to increase from tariffs or import duties?

A. No. In a recent Section 201 Trade Case, the United States International Trade Commission found that solar module manufacturers Suniva and SolarWorld suffered economic injury by solar modules from overseas, which could result in the future imposition of tariffs or import duties on certain solar modules manufactured outside the United States. Tampa Electric mitigated its exposure to this potential cost increase by executing a module purchase agreement with U.S. manufacturer First Solar, Inc. for 600 MW of modules at prices that are competitive with

module prices prior to the Suniva filing. This ensures that Tampa Electric's Second SoBRA is competitive with the imposition of the import duties.

Q. Have steel tariffs affected the Second SoBRA project costs?

A. Yes. The recent enactment of steel tariffs has affected Peace Creek, Bonnie Mine and Lake Hancock project costs. The EPC contracts for these projects weren't executed until after the enactment of the steel tariffs. Estimated cost impacts are approximately $20 to $30 per/$kW_{ac}$ project. Tampa Electric and its developers are attempting to minimize these cost impacts by locking in prices for steel to avoid additional increases as the steel market adjusts to the tariffs.

PROJECTED INSTALLED COSTS

Q. What are the projected installed costs for the Second SoBRA Projects?

A. The projected installed costs of the Second SoBRA are shown in the following table:

Second SoBRA Projects	Cost/kW_{ac}
Lithia Solar Project	$1,494
Grange Hall Solar Project	$1,437
Peace Creek Solar Project	$1,492
Bonnie Mine Solar Project	$1,464
Lake Hancock Solar Project	$1,494

Q. What costs were included in these projections?

A. The projected total installed cost broken down by major category for the Second SoBRA are shown on Documents Nos. 1 through 5 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; 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.

Q. How were the projected cost amounts in your exhibit developed?

A. Tampa Electric has worked continuously with the developers to determine the all-in-costs for the Second SoBRA while also maximizing cost-effectiveness. It has been an iterative approach to develop project costs as site due diligence and engineering and design have been 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. 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 first test for cost recovery under the 2017 Agreement has been met. Witness Rocha demonstrates that the five (5) 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 projects are complete and the work orders have been closed.

Q. Is the projected weighted average combined cost of the First SoBRA and Second SoBRA $1,475/$kW_{ac}$ or less?

A. Yes. The weighted average cost of the First SoBRA and Second SoBRA are $1,404/$kW_{ac}$ and $1,476/$kW_{ac,}$ respectively. The projected weighted average cost of the First SoBRA and Second SoBRA together, is $1,446/$kW_{ac}$.

I am presenting these calculations, which are based on projected costs, only because they relate to footnote 3 on page 10 of the 2017 Agreement and the text on pages 11 and 12 of the 2017 Agreement, which addresses the trigger for the last 50 MW of solar that can be constructed for cost recovery in 2021 under the SoBRA provisions in the 2017 Agreement. The projected weighted average costs

presented above will be re-calculated with actual costs once the First SoBRA and Second SoBRA projects are complete and in service. Actual weighted average costs will be used to assess whether the company has met the requirements for the last 50 MW of solar capacity under the 2017 Agreement.

SUMMARY

Q. Please summarize your prepared direct testimony.

A. Tampa Electric is developing five (5) single axis tracking solar PV projects for an in-service date on or before January 1, 2019. The 74.5 MW Lithia Solar site is located in Hillsborough County, Florida. The 61.1 MW Grange Hall Solar site is located in Hillsborough County, Florida. The 55.4 MW Peace Creek Solar site is located in Polk County, Florida. The 37.5 MW Bonnie Mine Solar site is located in Polk County, Florida. The 49.5 MW Lake Hancock Solar site is located in Polk County, Florida. The sites are between 350 and 580 acres in size and will support the respective projects. The anticipated cost for each project will range from $\$1,438/kW_{ac}$ to $\$1,494/kW_{ac}$. Each of the five (5) projects 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. 2018_____ -EI
EXHIBIT NO._____(MDW-1)

EXHIBIT

OF

MARK D. WARD

Table of Contents

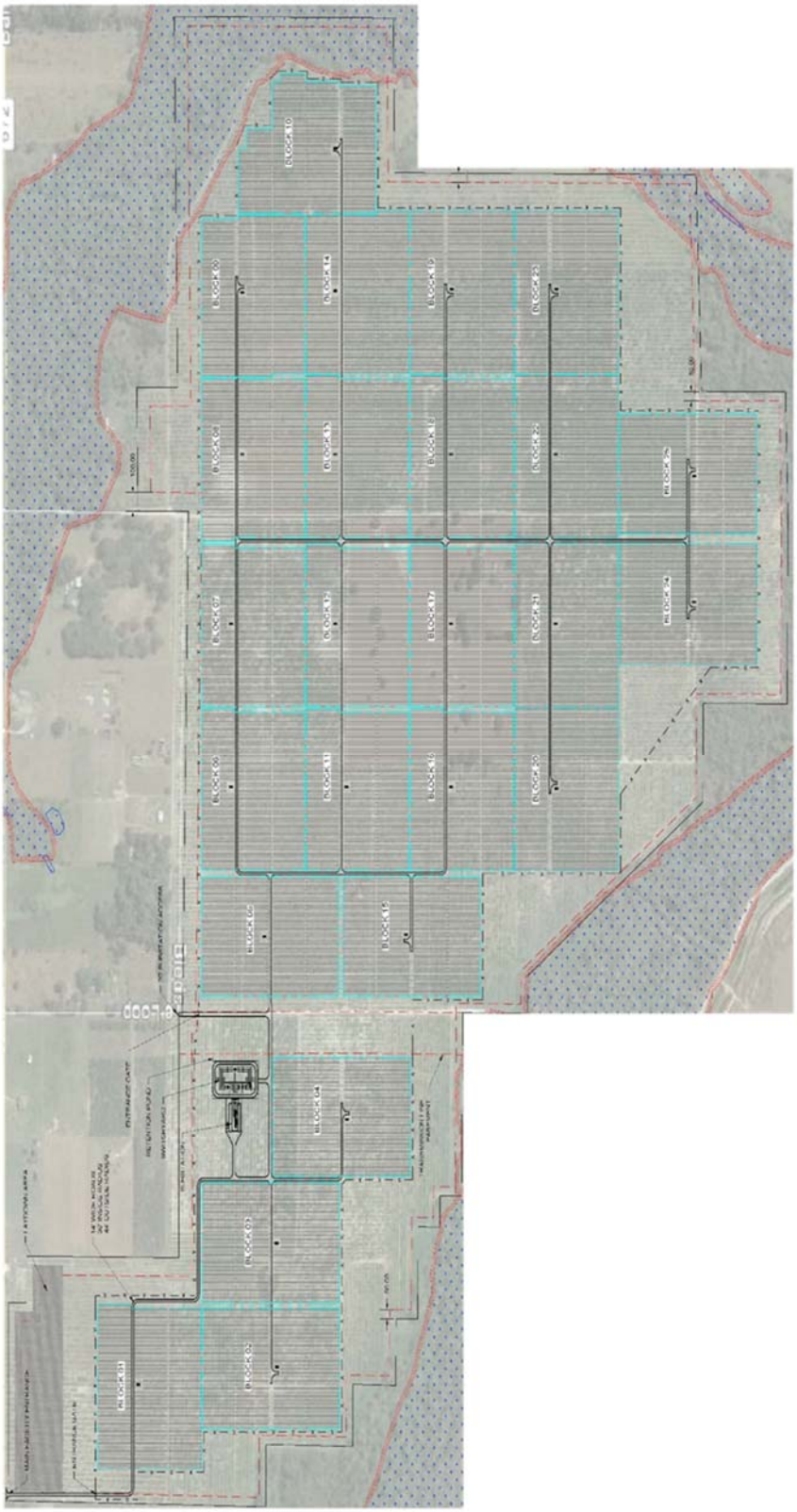
Lithia Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Lithia 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	June 2017
	B. Commercial In-Service Date	January 2019
(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	+580 Acres
(9)	Construction Status	In Progress
(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)	26.5 % (1st Full Yr Operation)
	Average Net Operating Heat Rate (ANOHR) [1]	N/A
(13)	Projected Unit Financial Data	
	Book Life (Years)	30
	Total Installed Cost (In-Service Year $/kW) [1]	1,494.17
	Direct Construction Cost ($/kW)	1,460.43
	AFUDC Amount ($/kW) [2]	33.74
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW – yr)	7.34
	Variable O&M ($/MWh)	0.0
	K-Factor [3]	1.12

1 Includes interconnect, AFUDC, land, w/o incentive
2 Based on the current AFUDC rate of 6.46%
3 W/o land

Lithia Solar Project General Arrangement Drawing



Lithia Solar Project Projected Installed Cost by Category

Lithia Solar Estimated Costs ($MM)	
Project Output (MW-ac)	74.5
Major Equipment[1]	[redacted]
Balance of System[2]	[redacted]
Development	2.4
Transmission Interconnect	4.0
Land	13.8
Owners Costs	0.9
Total Installed Cost ($MM)	108.8
AFUDC ($MM)	2.5
Total All-in-Cost ($MM)	111.3
Total ($/kW-ac)	1,494

[1] Major Equipment includes modules, inverters, and transformers
[2] Balance of System includes racking, posts, collection cables, EPC contractor and project management

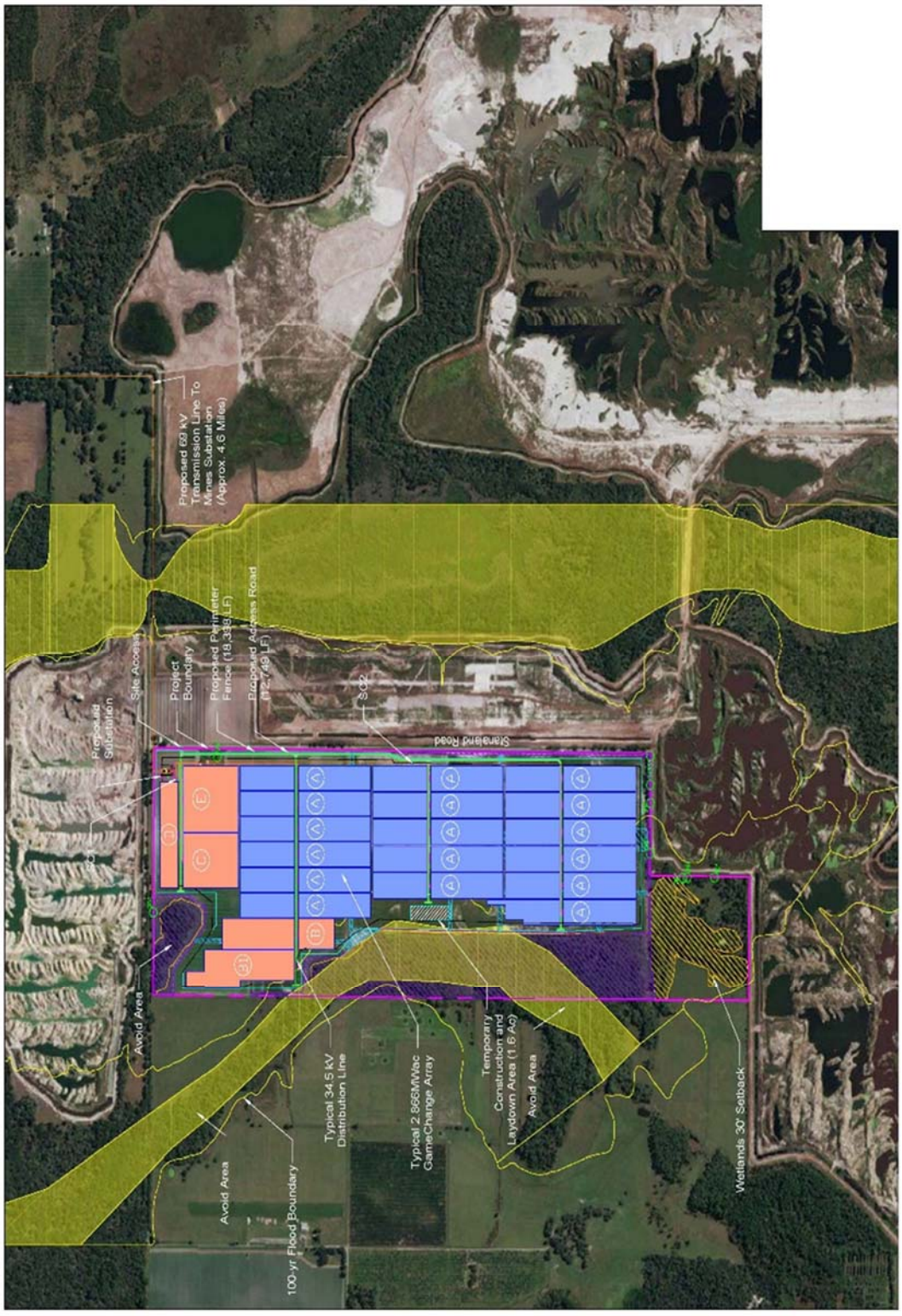
Grange Hall Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Grange Hall Solar
(2)	Net Capability	61.1 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date	June 2017
	B. Commercial In-Service Date	January 2019
(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	+447 Acres
(9)	Construction Status	In Progress
(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)	26.06 % (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 $/kW) [1]	1,437.52
	Direct Construction Cost ($/kW)	1,420.87
	AFUDC Amount ($/kW) [2]	16.64
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW – yr)	7.34
	Variable O&M ($/MWh)	0.0
	K-Factor [3]	1.12

1 Includes interconnect, AFUDC, land w/o incentive
2 Based on the current AFUDC rate of 6.46%
3 W/o land

Grange Hall Solar Project General Arrangement Drawing



Grange Hall Solar Project Projected Installed Cost by Category

Estimated Costs ($MM)	
Project Output (MW-ac)	61.1
Major Equipment[1]	[redacted]
Balance of System[2]	[redacted]
Development	1.8
Transmission Interconnect	4.6
Land	8.4
Owners Costs	0.5
Total Installed Cost ($MM)	86.8
AFUDC ($MM)	1.0
Total All-in-Cost ($MM)	87.8
Total ($/kW-ac)	1,437

[1] Major Equipment includes modules, inverters, and transformers
[2] Balance of System includes racking, posts, collection cables, EPC contractor and project management

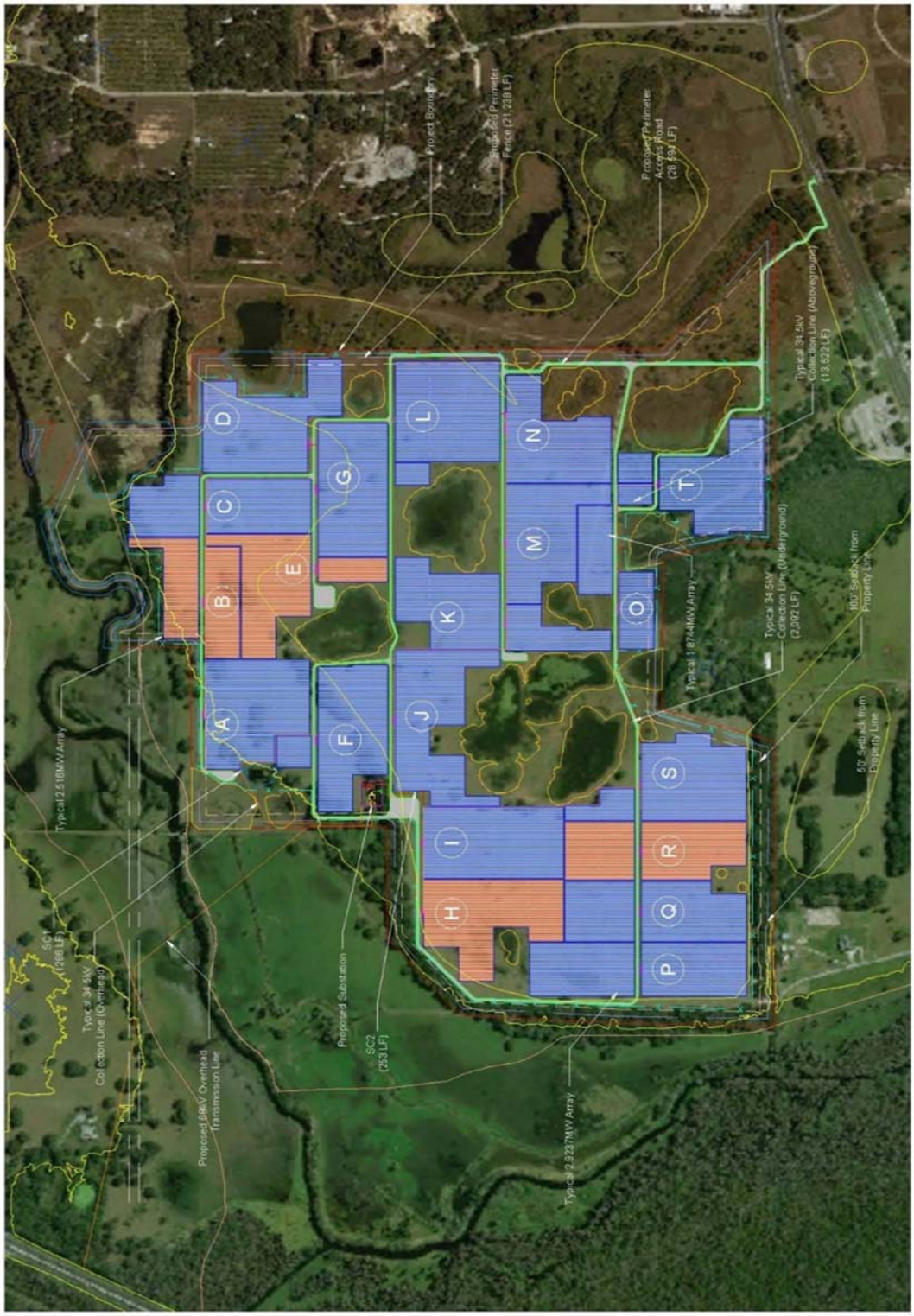
Peace Creek Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Peace Creek Solar
(2)	Net Capability	55.4 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date	September 2017
	B. Commercial In-Service Date	January 2019
(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	+417 Acres
(9)	Construction Status	In Progress
(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)	26.27 % (1st Full Yr Operation)
	Average Net Operating Heat Rate (ANOHR) [1]	N/A
(13)	Projected Unit Financial Data	
	Book Life (Years)	30
	Total Installed Cost (In-Service Year $/kW) [1]	1,491.62
	Direct Construction Cost ($/kW)	1,466.99
	AFUDC Amount ($/kW) [2]	24.62
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW – yr)	7.34
	Variable O&M ($/MWh)	0.0
	K-Factor [3]	1.12

1 Includes interconnect, AFUDC, land, w/o incentive
2 Based on the current AFUDC rate of 6.46%
3 W/o land

Peace Creek Solar Project General Arrangement Drawing



Peace Creek Solar Project Projected Installed Cost by Category

Estimated Costs ($MM)	
Project Output (MW-ac)	55.4
Major Equipment[1]	[redacted]
Balance of System[2]	[redacted]
Development	1.8
Transmission Interconnect	4.7
Land	11.7
Owners Costs	0.4
Total Installed Cost ($MM)	81.3
AFUDC ($MM)	1.4
Total All-in-Cost ($MM)	82.6
Total ($/kW-ac)	1,492

[1] Major Equipment includes modules, inverters, and transformers
[2] Balance of System includes racking, posts, collection cables, EPC contractor and project management

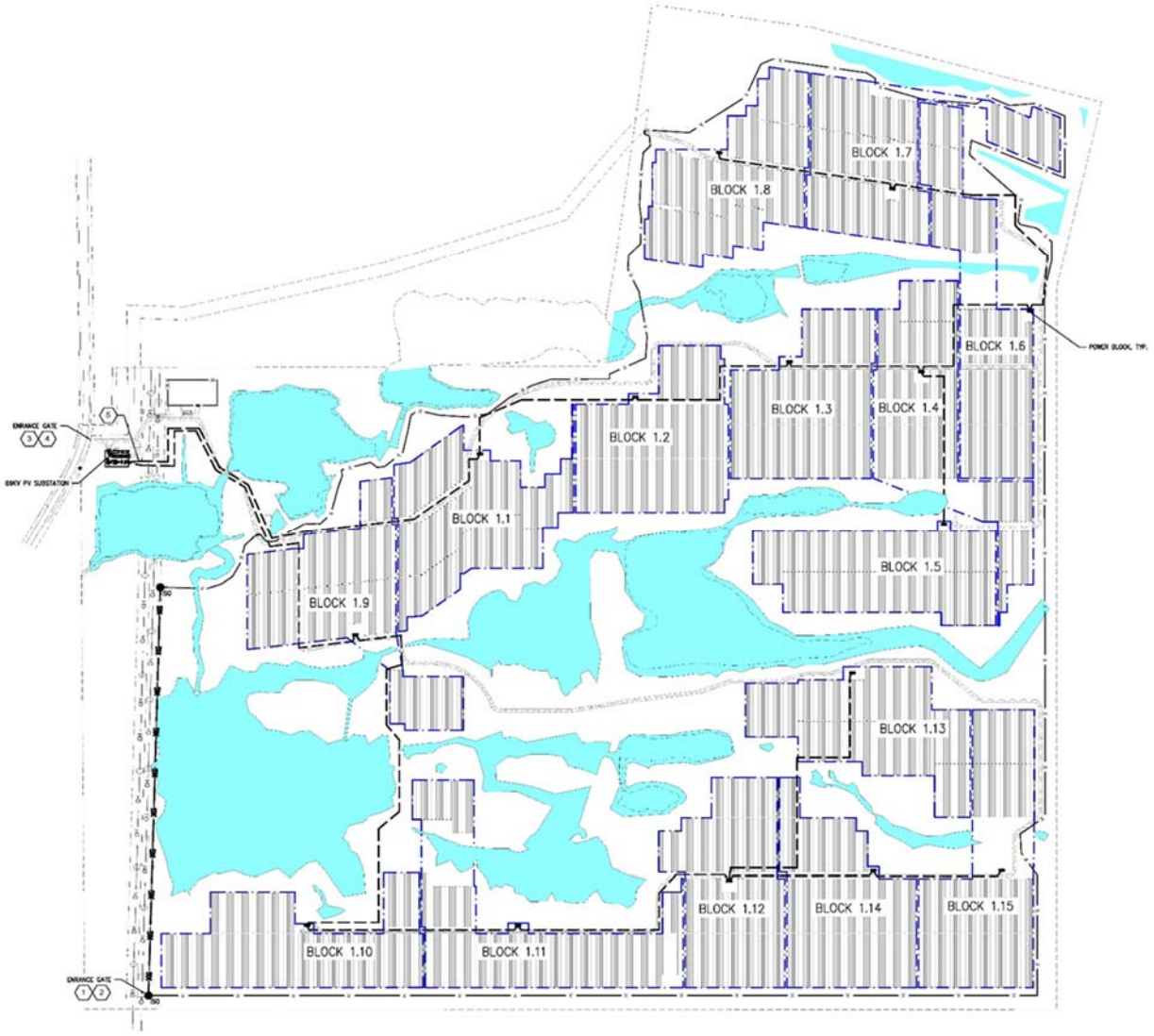
Bonnie Mine Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Bonnie Mine Solar
(2)	Net Capability	37.5 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date	November 2017
	B. Commercial In-Service Date	January 2019
(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	+352 Acres
(9)	Construction Status	In Progress
(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)	27.2% (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 $/kW) [1]	1,464.15
	Direct Construction Cost ($/kW)	1,442.28
	AFUDC Amount ($/kW) [2]	21.87
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW – yr)	7.52
	Variable O&M ($/MWh)	0.0
	K-Factor [3]	1.12

1 Includes interconnect, AFUDC, land w/o incentive
2 Based on the current AFUDC rate of 6.46%
3 W/o land

Bonnie Mine Solar Project General Arrangement Drawing



Bonnie Mine Solar Project Projected Installed Cost by Category

Estimated Costs ($MM)	
Project Output (MW-ac)	37.5
Major Equipment[1]	[redacted]
Balance of System[2]	[redacted]
Development	1.4
Transmission Interconnect	0.9
Land	4.3
Owners Costs	0.3
Total Installed Cost ($MM)	54.1
AFUDC ($MM)	0.8
Total All-in-Cost ($MM)	54.9
Total ($/kW-ac)	1,464

[1] Major Equipment includes modules, inverters, and transformers
[2] Balance of System includes racking, posts, collection cables, EPC contractor and project management

Lake Hancock Solar Project Specifications

Specifications of Proposed Solar PV Generating Facilities

(1)	Plant Name and Unit Number	Lake Hancock Solar
(2)	Net Capability	49.5 MW-ac
(3)	Technology Type	Single Axis Tracking PV Solar
(4)	Anticipated Construction Timing	
	A. Field Construction Start Date	January 2018
	B. Commercial In-Service Date	January 2019
(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	+358 Acres
(9)	Construction Status	In Progress
(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)	26.27% (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 $/kW) [1]	1,494.23
	Direct Construction Cost ($/kW)	1,494.23
	AFUDC Amount ($/kW) [2]	N/A
	Escalation ($/kW)	N/A
	Fixed O&M ($/kW – yr)	7.70
	Variable O&M ($/MWh)	0.0
	K-Factor [3]	1.12

1 Includes interconnect, AFUDC, land w/o incentive
2 Based on the current AFUDC rate of 6.46%
3 W/o land

Lake Hancock Solar Project General Arrangement Drawing

Lake Hancock Solar Project Projected Installed Cost by Category

Estimated Costs ($MM)	
Project Output (MW-ac)	49.5
Major Equipment[1]	[redacted]
Balance of System[2]	[redacted]
Development	1.6
Transmission Interconnect	4.1
Land	9.1
Owners Costs	0.3
Total Installed Cost ($MM)	74.0
AFUDC ($MM)	-
Total All-in-Cost ($MM)	74.0
Total ($/kW-ac)	1,494

[1] Major Equipment includes modules, inverters, and transformers
[2] Balance of System includes racking, posts, collection cables, EPC contractor and project management