AUSLEY MCMULLEN

ATTORNEYS AND COUNSELORS AT LAW

123 SOUTH CALHOUN STREET P.O. BOX 391 (ZIP 32302) TALLAHASSEE, FLORIDA 32301 (850) 224-9115 FAX (850) 222-7560 DOCKET NO. 20170260-EI FILED 12/14/2017 DOCUMENT NO. 10620-2017 FPSC - COMMISSION CLERK

December 14, 2017

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 First SoBRA Effective September 1, 2018

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 First SoBRA Effective September 1, 2018.
- 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,

fry Wahlen

JJW/pp Attachment

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

)

In re: Petition by Tampa Electric Company For a limited proceeding to approve First SoBRA Effective September 1, 2018 DOCKET NO. 2017 ____-EI

FILED: December 14, 2017

TAMPA ELECTRIC COMPANY'S PETITION FOR LIMITED PROCEEDING TO APPROVE FIRST SOBRA EFFECTIVE SEPTEMBER 1, 2018

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 First SoBRA tranche, effective September 1, 2018, 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 Docket 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 extended 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").

In this Petition, Tampa Electric seeks approval of (a) the first SoBRA tranche specified in subparagraph 6(b) of the 2017 Agreement and (b) the associated tariff changes necessary to implement the First SoBRA. The first SoBRA tranche will provide cost recovery for two (2) solar projects (Balm and Payne Creek) totaling approximately 145 MW that are reasonably expected to be in service on or before September 1, 2018. As explained below, these solar projects, the first SoBRA tranche 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 Post Office Box 391 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 33601.

4. Tampa Electric serves more than 745,000 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 First SoBRA

6. Paragraph 6 of the 2017 Agreement authorizes Tampa Electric to seek recovery of up to 150 MW of new solar generation to be in service on or before September 1, 2018 through a SoBRA. Per the Agreement, the effective date of the First SoBRA tranche can be no earlier than September 1, 2018 and its maximum incremental annual revenue requirement may not exceed \$30,600,000, with four months of recovery in 2018 capped at \$10,200,000.

7. Subparagraph 6(i) of the 2017 Agreement specifies that the First SoBRA be calculated using Tampa Electric's billing determinants from the company's 2017 ECCR Clause filing for the 12 months of 2018 and the base rate adjustment derived on an annual basis but only applied to bills for the four months from September 2018 through December 2018 and then for the 12 months of 2019. 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

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Average Demand ("AD") method of allocating production plant and shall be applied to existing base rates, charges and credits using the following principals:

(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 tranche shall be:

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

(b) whether the installed cost of each project in the tranche 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 tranche;

(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

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(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 tranche shall be evaluated in total by considering only 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.

10. Subparagraph 6(1) 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 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 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 project at the lowest possible installed cost.

12. The First SoBRA tranche consists of two projects. The Payne Creek project will be 70.3 MW and will be located in Polk County, Florida. The Balm project will be 74.4 MW and will be located in Hillsborough County, Florida. Both projects are projected to be in service on or before September 1, 2018. The details of these projects are outlined in Appendix "A" to this Petition.

13. Together, the two 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 cost for the Payne Creek and Balm projects are \$1,324 and \$1,480 per kW_{ac} , respectively, and are below the \$1,500 per kW_{ac} installed cost cap specified in subparagraph 6(d) of the 2017 Agreement.

15. Based on the standards specified in the 2017 Agreement, the projected annual revenue requirement for the two projects is \$26,493,000, which is lower than the annual revenue requirement cap specified in the 2017 Agreement. The four (4) month recovery amount for the two projects in 2018 is \$8,831,000, which is also below the cap specified in the 2017 Agreement.

16. The appropriate increase in base rates needed to collect the estimated revenue requirement for the projects in the First 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" and proposed clean tariff sheets included in Appendix "D" to this Petition.

17. This is the First SoBRA tranche, so there are no previous SoBRAs to be trued up.

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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 First 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 First SoBRA tranche 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 first SoBRA tranche and set the Petition for approval of the First 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 First 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 September 1, 2018. Accordingly, Tampa Electric

respectfully requests that the final hearing be set not later than March 31, 2018, such that the new and revised rates and tariffs can be implemented with the first billing cycle of September 2018.

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 First SoBRA will be approved by September 1, 2018, Tampa Electric respectfully requests that the Commission authorize the implementation of Tampa Electric's tariff sheet changes, effective with the first billing cycle of September 2018, 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 First SoBRA tranche for final hearing, grant this Petition, and approve the First SoBRA and related proposed tariff sheets pursuant to Section 366.076(1), Florida Statutes.

DATED this 14th day of December, 2017

Respectfully submitted,

JAMES D. BEASLEY J. JEFPRY 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 14th day of

December, 2017 to the following:

Office of Public Counsel J. R. Kelly Public Counsel Charles Rehwinkel Associate Public Counsel c/o The Florida Legislature 111 West Madison Street, Room 812 Tallahassee, FL 32399-1400

WCF Hospital Utility Alliance Mark Sundback, Esquire Kenneth L. Wiseman, Esquire Andrews Kurth, LLP 1350 I Street, N.W., Suite 1100 Washington, D.C. 20005

Florida Retail Federation Mr. Robert Scheffel Wright Gardner, Bist, Wiener, Wadsworth, Bowden, Bush, Dee, LaVia & Wright, P.A. 1300 Thomaswood Drive Tallahassee, FL 32308 The Florida Industrial Power Users Group Jon C. Moyle, Jr., Esquire Moyle Law Firm The Perkins House 118 North Gadsden Street Tallahassee, FL 32301

Federal Executive Agencies Thomas Jernigan AFLOA/JACL-ULFSC 139 Barnes Drive, Suite 1 Tyndall Air Force Base, FL 32403

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APPENDIX "A"

TRANCHE ONE SOLAR PROJECT SPECIFICATIONS

| | Payne Creek Solar Project Speci | lications |
|-------------------|---|--|
| | Specifications of Proposed Solar PV Genera | ating Facilities |
| (1) (2) (3) | Plant Name and Unit Number Net Capability Technology Type | Payne Creek Solar 70.3 MW _{ac} Single Axis Tracking Solar PV |
| (4) | Anticipated Construction Timing | |
| (5) | A. Field Construction Start Date B. Commercial In-Service Date Fuel | July 2017 September 2018 |
| () | A. Primary Fuel B. Alternate Fuel | Solar N/A |
| (6) | Air Pollution Control Strategy | N/A |
| (7) | Cooling Method | N/A |
| (8) | l otal Site Area | +500 Acres |
| (9) | Construction Status | Planned |
| (10) | Certification Status | N/A |
| (11) | Status with Federal Agencies | N/A |
| (12) | Projected Unit Performance Data | |
| (13) | Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2018) Average Net Operating Heat Rate (ANOHR) ¹ Projected Unit Financial Data | 0.0 0.0 N/A 26.3 N/A |
| | Book Life (Years) Total Installed Cost (In-Service Year \$/kW) ¹ Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) ² Escalation (\$/kW) Fixed O&M (\$/kW – yr) Variable O&M (\$/MWh) K-Factor ³ | 30 1,324 1,293 31 N/A 7.16 0.0 1.13 |

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1 Includes interconnect, AFUDC, land, w/o incentive

2 Based on the current AFUDC rate of 6.46%

3 W/o land

| | Balm Solar Project Specificatio | ons |
|-------------------|--|---|
| Specific | cations of Proposed Solar PV Generatir | ng Facilities |
| (1) (2) (3) | Plant Name and Unit Number Net Capability Technology Type | Balm Solar 74.4 MW _{ac} Single Axis Tracking Solar PV |
| (4) | Anticipated Construction Timing A. Field Construction Start Date B. Commercial In-Service Date | July 2017 September 2018 |
| (5) | Fuel A. Primary Fuel B. Alternate Fuel | N/A N/A |
| (6) (7) | Air Pollution Control Strategy Cooling Method | N/A N/A |
| (8) (9) | Construction Status | +544 Acres N/A |
| (10) | Certification Status | N/A |
| (11) (12) | Status with Federal Agencies Projected Unit Performance Data | N/A |
| | Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2018) Average Net Operating Heat Rate (ANOHR) | 0.0 0.0 N/A 26.3 N/A |
| (13) | Projected Unit Financial Data Book Life (Years) Total Installed Cost (In-Service Year \$/kW) ¹ Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) ² Escalation (\$/kW) Fixed O&M (\$/kW – yr) Variable O&M (\$/MWh) K-Factor ³ | 30 1,480 1,450 29 N/A 7.16 0.0 1.14 |

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

3 W/o land

APPENDIX "B"

TYPICAL BILL ANALYSIS

| SCHEU(| A PUBLIC SERVI | ICE COMMISSION | | EXPLANATION | Ξ | OLL REVEN | calculate typic | al monthly bill: | Stor present n | ates and propc | ised rates. | | | | | | Type | e of data show | : - | | 1 01 4 |
|----------------|--------------------|----------------------------|---------------------|-------------------|----------------|----------------|-----------------|------------------|----------------|-----------------|-------------------|----------------|----------|--------|---------------|---------|-----------|----------------|--------------------|----------------|----------|
| COMPAI | VY: TAMPA ELEC | CTRIC COMPANY | | | | | | RS - RESIC | ENTIAL SI | ERVICE | | | | | | | | X | jected lest ye | ar Ended 12/31 | 2018 |
| | RATE SCHEDUL RS | щ | | RILL LINDER PI | RESENT RA | ATES | | | | | | BILL LINDER F | PROPOSED | ATES | | | | INCREASE | | COSTS IN CF | NTS/KWH |
| | (1) (2) | (3) | (4) | (5) | (6) | (2) | (8) | (6) | (10 | (| (11) | (12) | (13) | (14) | (15) | (16) | | (17) | (18) | (19) | (20) |
| No Line | TYPICAL KW KWH | BASE RATE | FUEL CHARGE | ECCR CAF | PACITY | ECRC | GRT | TOTAL | BA | | -UEL | ECCR C | CHARGE | ECRC | GRT CHARGE | TOTA | | LLARS P | ERCENT (171/19) | PRESENT | PROPOSED |
| - c | 0 | - \$ 16.62 \$ | ↔ 1 | φ | 1 1 | | \$ 0.43 | \$ 17 | 05 \$ | 16.62 \$ | в | 6 9 | | | \$ 0.43 | \$ | 17.05 \$ | - | 0:0% | - | - |
| NΜ | 0 | 100 \$ 21.82 \$ | 2.82 \$ | 0.25 \$ | 0.07 | \$ 0.34 | \$ 0.65 | \$ 25 | 94 \$ | 22.01 \$ | 2.82 \$ | 0.25 \$ | 0.07 | 6 0.34 | \$ 0.65 | \$ | 26.14 \$ | 0.20 | 0.8% | 25.94 | 26.14 |
| 4 U | 0 | 250 \$ 29.62 \$ | 7.05 \$ | 0.62 \$ | 0.17 | \$ 0.86 | \$ 0.98 | 39 | 28 \$ | 30.10 \$ | 7.05 \$ | 0.62 \$ | 0.17 | 0.86 | \$ 0.95 | 9 9 | 89.78 \$ | 0.50 | 1.3% | 15.71 | 15.91 |
| 9 | 0 | 500 \$ 42.62 \$ | 14.09 \$ | 1.23 \$ | 0.33 \$ | \$ 1.72 | \$ 1.54 | \$ 61 | 52 \$ | 43.59 \$ | 14.09 \$ | 1.23 \$ | 0.33 | 1.72 | \$ 1.56 | \$ | \$2.52 | 0.99 | 1.6% | 12.30 | 12.50 |
| 8 O 9 | 0 | 750 \$ 55.62 \$ | 21.14 \$ | 1.85 \$ | 0.50 \$ | \$ 2.57 | \$ 2.09 | \$ | 76 \$ | 57.07 \$ | 21.14 \$ | 1.85 \$ | 0.50 | 2.57 | \$ 2.13 | \$ | 35.25 \$ | 1.49 | 1.8% | 11.17 | 11.37 |
| 2 ₽ | 0 1,0 | 000 \$ 68.62 \$ | 28.18 \$ | 2.46 \$ | 0.66 \$ | \$ 3.43 | \$ 2.65 | \$ 106 | \$ 00 | 70.56 \$ | 28.18 \$ | 2.46 \$ | 0.66 | 3.43 | \$ 2.70 | 0 \$ 10 | 3.99 | 1.99 | 1.9% | 10.60 | 10.80 |
| 13 | 0 | 250 \$ 84.39 \$ | 37.73 \$ | 3.08 \$ | 0.83 | \$ 4.29 | \$ 3.34 | \$ 133 | 64 \$ | 86.54 \$ | 37.73 \$ | 3.08 \$ | 0.83 | 4.29 | \$ 3.4(| 13 | \$5.85 \$ | 2.21 | 1.7% | 10.69 | 10.87 |
| 15 | 0 1,5 | 500 \$ 100.16 \$ | 47.27 \$ | 3.69 \$ | 66.0 | \$ 5.15 | \$ 4.03 | \$ 161 | 29 \$ | 102.53 \$ | 47.27 \$ | 3.69 \$ | 66:0 | 5.15 | \$ 4.09 | 9 \$ 16 | 33.72 \$ | 2.43 | 1.5% | 10.75 | 10.91 |
| 11 | 0 2,0 | 000 \$ 131.70 \$ | 66.36 \$ | 4.92 \$ | 1.32 | \$ 6.86 | \$ 5.41 | \$ 216 | 57 \$ | 134.50 \$ | 66.36 \$ | 4.92 \$ | 1.32 | 6.86 | \$ 5.49 | 9 \$ 21 | 9.44 \$ | 2.87 | 1.3% | 10.83 | 10.97 |
| 18 19 20 | 0 3,6 | 000 \$ 194.78 \$ | 104.54 \$ | 7.38 \$ | 1.98 | \$ 10.29 | \$ 8.18 | \$ 327 | 15 \$ | 198.43 \$ | 104.54 \$ | 7.38 \$ | 1.98 | 10.29 | \$ 8.2 | 33 | \$0.90 | 3.75 | 1.1% | 10.90 | 11.03 |
| 21 | 0 5,0 | 000 \$ 320.94 \$ | 180.90 \$ | 12.30 \$ | 3.30 | \$ 17.15 | \$ 13.71 | \$ 548 | 30 \$ | 326.31 \$ | 180.90 \$ | 12.30 \$ | 3.30 | 17.15 | \$ 13.85 | 55 | 53.81 \$ | 5.51 | 1.0% | 10.97 | 11.08 |
| 5 3 6 | | | | | | | Ċ | | | | | | | | | | | | | | |
| 25 | CUSTOME | ER CHARGE | | 16.62 \$/Bill | | | 7K 16.62 | S/Bill | | | | | | | | | | | | | |
| 26 | DEMAND | CHARGE | | - \$/KW | | | | \$/KW | | | | | | | | | | | | | |
| 27 | ENERGY | CHARGE | | | | | | | | | | | | | | | | | | | |
| 28 | 0 - 1,(| 000 KWH | | 5.200 ¢/kWF | - - | | 5.394 | ¢/kWH | | | | | | | | | | | | | |
| 30 | | 1,000 NWH ARGE | | 0.3U0 \$/KWF | - | | 0.084 | ELVAND | | | | | | | | | | | | | |
| 31 | 0- 1,0 | 000 KWH | | 2.818 ¢/kWŀ. | - | | 2.818 | ¢/kWH | | | | | | | | | | | | | |
| 32 | Over . | 1,000 KWH | | 3.818 ¢/kWF | - | | 3.818 | ¢/kWH | | | | | | | | | | | | | |
| 33 | CONSERV | VATION CHARGE | | 0.246 ¢/kWF | - | | 0.246 | ¢/kWH | | | | | | | | | | | | | |
| 34 9 5 | CAPACITY | Y CHARGE | | 0.066 ¢/kWF | - - | | 0.066 | ¢/kWH | | | | | | | | | | | | | |
| 98 | | ואבואו אר טואאפר | | | - | | 0 5 5 | LIVANU | | | | | | | | | | | | | |
| 37 | | | | | | | | | | | | | | | | | | | | | |
| 38 | Note: Co. | st recovery clause factor. | s are the current 2 | 018 factors. 2018 | fuel clause f. | factors used f | or both PRES | ENT and PROF | OSED bills a | bove includes : | the fuel benefit. | of Tranche #1 | of SoBRA | | | | | | | | |
| Supporti | ng Schedules: E- | -13c, E-14 Supplement | | | | | | | | | | | | | | | | Re | cap Schedules | | |

SOBRA 12CP and 1/13 With 40% Allocation to Lighting All Demand

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| SCHEDU | ULE A-2 | | | | | Ē | JULL REVEN | JE REQUIREME | ENTS BILL COI | APARISON - | TYPICAL MO. | NTHLY BILLS | | | | | | | | | ů. | age 2 of 4 |
|----------|---------------------------|----------------------|----------------------|-------------------------|------------------------------|-----------------------|-----------------------|----------------------|-----------------|---------------|----------------|-------------------------|-------------------------|--------------------------|------------------------|-----------------------|----------------|---------------|---------------------------|----------------------------|-------------------------------|----------------------------------|
| FLORID. | A PUBLIC SE | ERVICE C | NOISSIMMOC | | EXPLANATIO | ž | or each rate, | calculate typical | monthly bills f | or present ra | tes and propos | sed rates. | | | | | | Ţ | pe of data sho | :uwc | | |
| COMPA | .NY: TAMPA E | ELECTRI | IC COMPANY | | | | | 68 - GF | ENERAL SE | RVICE NO | ON-DEMAN | Ω | | | | | | | X | ojected Test ye | ar Ended 12/31 | /2018 |
| | RATE SCHE GS | EDULE | | | BILL UNDER P | RESENT RA | TES | | | | | 8 | ILL UNDER F | ROPOSED | RATES | | | | INCREASE | ш | COSTS IN CE | NTS/KWH |
| N Line | (1) (TYPICAL KW KV | (2) WH | (3) BASE RATE | (4) FUEL CHARGE (| (5) ECCR CAI CHARGE CH | (6) >ACITY ARGE | (7) ECRC CHARGE | (8) GRT CHARGE | (9) TOTAL | (10 BAS | | 11) JEL E XRGE CF | (12) CCR C ARGE C | (13) APACITY AARGE | (14) ECRC CHARGE | (15) GRT CHARGE | (16 TOT |) &L DO | (17) LLARS F 6)-(9) | (18) PERCENT (17)(9) | (19) PRESENT (9)(2)*100 | (20) PROPOSED (16)/(2)*100 |
| - | 0 | • | \$ 19.94 \$ | 69 | \$ | 6 9 | • | \$ 0.51 | \$ 20.45 | \$ | 19.94 \$ | \$ | \$ | | \$ | \$ 0.5 | 1 \$ | 20.45 \$ | | 0.0% | - | - |
| 3 12 | 0 | 100 | \$ 25.49 \$ | 3.13 \$ | 0.23 \$ | 0.06 | 0.34 | \$ 0.75 | \$ 30.0 | 69 | 25.63 \$ | 3.13 \$ | 0.23 \$ | 0.06 | \$ 0.34 | \$ 0.7 | e A | 30.15 \$ | 0.15 | 0.5% | 30.01 | 30.15 |
| 4 v. « | 0 | 250 | \$ 33.81 \$ | 7.83 \$ | 0.58 \$ | 0.15 \$ | 0.86 | \$ 1.11 | \$ 44.3 | \$ | 34.17 \$ | 7.83 \$ | 0.58 \$ | 0.15 | \$ 0.86 | \$ 1.1 | 2 | 44.70 \$ | 0.36 | 0.8% | 17.74 | 17.88 |
| 0 ~ 0 | 0 | 500 | \$ 47.69 \$ | 15.66 \$ | 1.16 \$ | 0.30 | 1.72 | \$ 1.71 | \$ 68.2; | \$ | 48.39 \$ | 15.66 \$ | 1.16 \$ | 0.30 | \$ 1.72 | \$ 1.7 | 2 \$ | 68.95 \$ | 0.73 | 1.1% | 13.65 | 13.79 |
| 000 | 0 | 750 | \$ 61.56 \$ | 23.49 \$ | 1.74 \$ | 0.45 \$ | 2.57 | \$ 2.30 | \$ 92.1 | 69 | 62.62 \$ | 23.49 \$ | 1.74 \$ | 0.45 | \$ 2.57 | \$ 2.3 | 33 \$ | 93.20 \$ | 1.09 | 1.2% | 12.28 | 12.43 |
| 5 5 5 | 0 | 1,000 | \$ 75.43 \$ | 31.32 \$ | 2.32 \$ | 09.0 | 3.43 | \$ 2.90 | \$ 116.00 | \$ | 76.85 \$ | 31.32 \$ | 2.32 \$ | 0.60 | \$ 3.43 | \$ 2.9 |)4 \$ | 117.45 \$ | 1.45 | 1.3% | 11.60 | 11.75 |
| 2 6 5 | 0 | 1,250 | \$ 89.30 \$ | 39.15 \$ | 2.90 \$ | 0.75 \$ | 4.29 | \$ 3.50 | \$ 139.8 | \$ | 91.08 \$ | 39.15 \$ | 2.90 \$ | 0.75 | \$ 4.29 | \$ 3.5 | 54 \$ | 41.71 \$ | 1.82 | 1.3% | 11.19 | 11.34 |
| 10 14 | 0 | 1,500 | \$ 103.18 \$ | 46.98 \$ | 3.48 \$ | 0:00 | 5.15 | \$ 4.09 | \$ 163.77 | \$ | 05.30 \$ | 46.98 \$ | 3.48 \$ | 06:0 | \$ 5.15 | \$ 4.1 | 5 \$ 1 | 65.96 \$ | 2.18 | 1.3% | 10.92 | 11.06 |
| 16 17 | 0 | 2,000 | \$ 130.92 \$ | 62.64 \$ | 4.64 \$ | 1.20 \$ | 6.86 | \$ 5.29 | \$ 211.55 | \$ | 33.76 \$ | 62.64 \$ | 4.64 \$ | 1.20 | \$ 6.86 | \$ 5.3 | 6 \$ | 14.46 \$ | 2.91 | 1.4% | 10.58 | 10.72 |
| 19 | 0 | 3,000 | \$ 186.41 \$ | 93.96 \$ | 6.96 \$ | 1.80 \$ | 10.29 | \$ 7.68 | \$ 307.10 | \$ | 90.66 \$ | 93.96 \$ | 6.96 \$ | 1.80 | \$ 10.29 | \$ 7.7 | 9 \$ 0 | 11.46 \$ | 4.36 | 1.4% | 10.24 | 10.38 |
| 21 20 | 0 | 5,000 | \$ 297.39 \$ | 156.60 \$ | 11.60 \$ | 3.00 \$ | 17.15 | \$ 12.45 | \$ 498.15 | \$ | 04.48 \$ | 156.60 \$ | 11.60 \$ | 3.00 | \$ 17.15 | \$ 12.6 | 45 65 10 | :05.47 \$ | 7.27 | 1.5% | 9.96 | 10.11 |
| 22 24 | 0 | 8,500 | \$ 491.61 \$ | 266.22 \$ | 19.72 \$ | 5.10 \$ | 29.16 | \$ 20.82 | \$ 832.62 | 2 8 | 03.66 \$ | 266.22 \$ | 19.72 \$ | 5.10 | \$ 29.16 | \$ 21.1 | 12 \$ | 344.98 \$ | 12.36 | 1.5% | 9.80 | 9.94 |
| 25 26 | 1000 | | | | PRESENT | | | | PRC |)POSED | | | | | | | | | | | | |
| 28 | CUST | I UMER C RGY CHAI | JHAKGE RGE | | 19.94 \$/Bill 5.549 ¢/kWF | - | | | 19.9 5.69 | + \$/BIII | | | | | | | | | | | | |
| 29 | FUEL | CHARGE | ш | | 3.132 ¢/kWF | - | | | 3.132 | č ¢/kWH | | | | | | | | | | | | |
| 30 | CONS | SERVATIC | ON CHARGE | | 0.232 ¢/kWF | - | | | 0.23 | ?¢/kWH | | | | | | | | | | | | |
| 31 | CAPA | ACITY CH | HARGE ITAL CHARGE | | 0.060 ¢/kWF | | | | 0.06 |) ¢/kWH | | | | | | | | | | | | |
| 33 | | | | | 1000 | _ | | | | | | | | | | | | | | | | |
| 34 | | | | | | | | | | | | | | | | | | | | | | |
| 35 | | | | | | | | | | | | | | | | | | | | | | |
| 37 | Note: | Cost rec | coverv clause factor | rs are the current 2 | 2018 factors. 2018 | fuel clause f | actors used | for both PRESEN | VT and PROPC | SED bills at | ove includes t | he fuel benefit c | of Tranche #1 | of SoBRA. | | | | | | | | |
| 38 38 | | | | | | | | | | | | | | | | | | | | | | |
| Supporti | ing Schedules | s: E-13c. | . E-14 Supplement | | | | | | | | | | | | | | | | Re | cap Schedules | | |
| : | | | : | | | | | | | | | | | | | | | | | Ī | | |

SOBRA 12CP and 1/13 With 40% Allocation to Lighting All Demand

15

| SOBRA | 12CP and 1/13 With 40% Allocation to Lighting | All Demand |
|-------|---|------------|
|-------|---|------------|

Page 3 of 4

FULL REVENUE REOUREMENTS BILL COMPARISON - TYPICAL MONTHLY BILLS For each rate, calculate typical monthly bills for present rates and proposed rates.

| aw | | | | | | FULL REVENUE | REQUIREMEN | TS BILL COMP/ | ARISON - TYPICA | L MONTHLY BILL | s. | | | | | | | ۵. | age 3 of 4 |
|---------------|---------------------|---------------------------------|--------------------|------------------|-------------------|-----------------------------|----------------------|--------------------|---------------------|---------------------|-----------------|---|----------------|--------------------|-----------|----------------|-----------------|---------------|------------|
| FLORIDA | PUBLIC SERVICE (| COMMISSION | | EXPLANA | ATION: | For each rate, cal | Iculate typical m | onthly bills for p | resent rates and p | roposed rates. | | | | | | Type of data s | shown: | | |
| COMPAN | Y: TAMPA ELECTR | IC COMPANY | | | | | | | | - | | | | | | × | rojected lest y | ar Ended 12/3 | 8102/1 |
| | | | | | | | GSD - (| GENERAL S | ERVICE DEM | DNP | | | | | | | | | |
| Ľ | ATE SCHEDULE GSD | | | BILL UNDE | ER PRESENT F | ATES | | | | | BILL UNDER | PROPOSED R | ATES | | | INCREA | ASE | COSTS IN CE | ENTS/KWH |
| Ŭ | 1) (2) | (3) | (4) | (5) | (9) | (2) | (8) | (6) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) |
| No Eine K | TYPICAL W KWH | BASE RATE | FUEL | ECCR | CAPACITY | ECRC CHARGE | GRT CHARGE | TOTAL | BASE RATE | FUEL | ECCR CHARGE | CAPACITY CHARGE | ECRC | GRT CHARGE | TOTAL | DOLLARS | PERCENT | PRESENT | PROPOSED |
| - | 10.050 | ¢ 727.54 ¢ | 240.05 | 1000 | 101101 | ¢ 37.45 ¢ | - 0000 e | 1 200 07 | 70102 | 0.010 C | | 10,17,10 | 07.4F 9 | 20.40 ¢ | 1 210 05 | 40.00 | 10/1/11/ | 10.00 | 11/1/1/100 |
| - c | 10,950 | ¢ 10707 ¢ | 04 2.30 4 | 22:01 | 0.10 | 0.140 0 0.140 0 0 | 30:00 \$ | 10.002,1 | 101.02 | 047.40 | 27.01 \$ | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 0 | 30.40 4 | CD.6121 | 0.00 | %0:I | 10.90 | 11.13 |
| N 0 | 50 19,103 | \$ 1,138.10 \$ \$ 1378.18 \$ | \$ 900.17 \$ | 65.25 65.25 | \$ 15.00 \$ | \$ 00.04 \$ \$ 110.35 \$ | 48.31 \$ 86.66 \$ | 7,852.30 | 5 CG7471,1 4 | 000.17 \$ | 65.25 \$ | 15.00 \$ | 00.04 \$ | 4 07.64 67.60 & | 00.078,F | \$ 37.09 \$ | 2.0% | 8 12 | 8 23 |
| 0 4 -' | 5 49.275 | \$ 1.620.78 \$ | 1.536.27 \$ | 65.25 \$ | \$ 15.00 | \$ 168.52 \$ | 87.33 \$ | 3.493.15 | 5 1.658.03 3 | 1.536.27 \$ | 65.25 \$ | 15.00 \$ | 168,52 \$ | 88.28 \$ | 3.531.35 | \$ 38.21 | 1.1% | 2.09 | 7.17 |
| ы С | | | | | | • | | | | | | | | | | | | | |
| 6 5 | 00 73,000 | \$ 4,895.04 \$ | 2,286.36 \$ | 146.73 \$ | \$ 34.31 | \$ 249.66 \$ | 195.18 \$ | 7,807.28 | \$ 5,018.41 | 2,286.36 \$ | 146.73 \$ | 34.31 \$ | 249.66 \$ | 198.35 \$ | 7,933.82 | \$ 126.53 | 1.6% | 10.69 | 10.87 |
| 7 5 | 00 127,750 | \$ 7,398.98 \$ | 4,001.13 \$ | 435.00 \$ | \$ 100.00 | \$ 436.91 \$ | 317.23 \$ | 12,689.24 | \$ 7,643.98 \$ | 4,001.13 \$ | 435.00 \$ | 100.00 \$ | 436.91 \$ | 323.51 \$ | 12,940.52 | \$ 251.28 | 2.0% | 9.93 | 10.13 |
| 8 | 00 219,000 | \$ 8,999.50 \$ | 6,859.08 \$ | 435.00 | \$ 100.00 | \$ 748.98 \$ | 439.55 \$ | 17,582.11 | \$ 9,244.50 | 6,859.08 | 435.00 \$ | 100.00 \$ | 748.98 \$ | 445.83 \$ | 17,833.39 | \$ 251.28 | 1.4% | 8.03 | 8.14 |
| 9 6 | 00 328,500 | \$ 10,616.81 \$ | 10,241.81 \$ | 435.00 | \$ 100.00 | \$ 1,123.47 \$ | 577.36 \$ | 23,094.45 | \$ 10,865.16 \$ | 10,241.81 \$ | 435.00 \$ | 100.00 \$ | 1,123.47 \$ | 583.73 \$ | 23,349.17 | \$ 254.72 | 1.1% | 7.03 | 7.11 |
| 10 11 2 | 000 585 000 | \$ 10 ABO 14 \$ | 0 115 11 0 | 5 0.0 ¢ | 127.04 | ¢ 000.64 ¢ | 778 17 \$ | 21 176 BE | 10 073 07 9 | 0 115 11 0 | 5 CO 4 | 9 VC 131 ¢ | 000 6A 0 | 700 82 6 | 31 637 08 | ¢ 506.12 | 1 602 | 10.66 | 10.82 |
| 4 - | 000'282'000 | 0 13'+00'++ 0 | 0 + i i i i i | 78.000 | 47. /CI 0 | 9 330.04 | 011011 | 00.021,10 | 5 78.0.8 d | 0 ++:::+::: | ¢ 76.000 | ¢ +7.101 | 830.04 | ¢ 70'06 / | 06.200,10 | ¢1.000 ¢ | %D'I | 00.01 | 0.01 |
| 12 2 | 000 511,000 | \$ 29,496.18 \$ | 16,004.52 \$ | 1,740.00 | \$ 400.00 | \$ 1,747.62 \$ | 1,266.37 \$ | 50,654.69 | 5 30,476.18 3 | 16,004.52 \$ | 1,740.00 \$ | 400.00 | 1,747.62 \$ | 1,291.49 \$ | 51,659.81 | \$ 1,005.13 | 2.0% | 9.91 | 10.11 |
| 13 2 | 100 8/6,000 | \$ 32,898.28 \$ | 21,436.32 \$ | 1,740.00 | \$ 400.00 | \$ 26.989.92 \$ | 1,755.65 \$ | /0,226.17 | 5 36,8/8.28 3 | 27,436.32 \$ | 1,740.00 \$ | 400.00 \$ | 2,995.92 | 1,/80./8 \$ | /1,231.30 | \$ 1,005.13 | 1.4% | 8.02 | 8.13 |
| 14 14 2 | 000 1,314,000 | \$ 42,367.52 \$ | 40,967.24 \$ | 1,740.00 | \$ 400.00 | \$ 4,493.88 \$ | 2,306.89 \$ | 92,275.52 | \$ 43,360.92 | 40,967.24 \$ | 1,740.00 | 400.00 \$ | 4,493.88 \$ | 2,332.36 \$ | 93,294.39 | \$ 1,018.87 | 1.1% | 7.02 | 7.10 |
| 16 | | _ | | | | | | | | | | | | | | | | | |
| 17 | | | | | | PRESENT | | | | | ЯЧ | COPOSED | | | | | | | |
| 18 | | | | GSD | GSDT | 95 | SD OPT. | | | GSD | GSDT | 30 | SD OPT. | | | | | | |
| 19 | CUSTOMER (| CHARGE | | 33.24 | 33.24 | \$/Bill | 33.24 \$/B | = | | 33.24 | 33.24 | | 33.24 \$/ | Bill | | | | | |
| 20 | DEMAND CHA | ARGE | | 10.25 | | \$/KW | - \$/K | × | | 10.74 | - \$/ | КW | - \$ | ŝ | | | | | |
| 21 | BILLING | | | , | 3.46 | \$/KW | - \$/K | ~ | | | 3.63 \$/ | КW | - | ŝ | | | | | |
| 22 | PEAK | | | , | 6.79 | \$/KW | - \$/K | ~ | | | 7.12 \$/ | КW | - \$ | N> | | | | | |
| 23 | ENERGY CHA | ARGE | | 1.754 | , | ¢/KWH | 6.660 ¢/K | мн | | 1.754 | - ¢ | КWH | 6.829 ¢/ | HVV | | | | | |
| 24 | ON-PEAK | ~ | | , | 3.211 | ¢/KWH | - ¢/K | MН | | , | 3.211 ¢/ | KWH | - | HVV | | | | | |
| 25 | OFF-PEA | ž | | | 1.159 | ¢/KWH | - ¢/K | MH | | | 1.159 ¢/ | КWH | - 4 | HWP | | | | | |
| 26 | FUEL CHARG | Ж | | 3.132 | | ¢/KWH | 3.132 ¢/K | MH | | 3.132 | /\$ - | КWH | 3.132 ¢/ | HW | | | | | |
| 27 | ON-PEAK | ~ | | | 3.330 | ¢/KWH | - ¢/K | MН | | | 3.330 ¢/ | КWH | - ¢ | HVV | | | | | |
| 28 | OFF-PEA | Ż | | | 3.047 | ¢/KWH | - <u></u> 9, K | MH | | | 3.047 ¢/ | КWH | - 4 | HW | | | | | |
| 29 | CONSERVAT. | ION CHARGE | | 0.87 | 0.87 | \$/KW | 0.201 ¢/K | MH | | 0.87 | 0.87 \$/ | КW | 0.201 ¢/ | HWP | | | | | |
| 30 | CAPACITY CF | HARGE | | 0.20 | 0.20 | \$/KW | 0.047 ¢/K | MH | | 0.20 | 0.20 \$/ | КW | 0.047 ¢/ | HVV | | | | | |
| 31 | ENVIRONMER | NTAL CHARGE | | 0.342 | 0.342 | ¢/KWH | 0.342 ¢/K | MH | | 0.342 | 0.342 ¢/ | KWH | 0.342 ¢/ | HVV | | | | | |
| 32 | | | | | | | | | | | | | | | | | | | |
| 33 | Notes: | | | | | | | | | | | | | | | | | | |
| 34 | A. The kWh1 | for each kW group is | s based on 20, 35, | , 60, and 90% I | load factors (LF) | ÷ | | | | | | | | | | | | | |
| 35 | B. Charges a | at 20% LF are based | on the GSD Optic | on rate; 35% ar | nd 60% LF char | ges are based on | the standard ra. | te; and 90% LF | charges are base | i on the TOD rate | | | | | | | | | |
| 36 | C. All calcula | ations assume meter | and service at sev | condary voltag | te. | | | | | | | | | | | | | | |
| 37 | D. TOD ener | gy charges assume. | 25/75 on/off-peak | (% for 90% LF | . Peak demand | to billing demand | 1 ratios are assu | med to be 99% | at 90% LF. | | | | | | | | | | |
| 38 | E. Cost recov | very clause factors a | re the current 201 | 18 factors. 2016 | 8 fuel clause fac | ctors used for both | ר PRESENT and | I PROPOSED b | ills above includes | the fuel benefit or | f Tranche #1 of | SoBRA. | | | | | | | |

16

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

Recap Schee

SOBRA 12CP and 1/13 with 40% Allocation to Lighting All Demand

| SCHEDL | 'LE A-2 | | | | | B | LL REVENUE RE | QUIREMENTS | BILL COMPARIS | DN - TYPICAL MC | NTHLY BILLS | | | | | | | | | | age 4 of 4 |
|--------------|----------------------------|-------------------------|---|--------------------|------------------|----------------|------------------------|-------------------|----------------------|-------------------|--------------------------------|-----------------------------|-------------|-----------|---------------|-------------|------------------------------|------------------|-------------------------|---------------|------------|
| FLORID, | A PUBLIC SERVICE (| COMMISSION | | | EXPLANA | TION: Fo | · each rate, calcula | ate typical month | ly bills for present | ates and propose | d rates. | | | | | | | Type of data sho | own : miested Test v | Profeed 12/2 | a 100/1 |
| COMPA. | VY: TAMPA ELECTR | RIC COMPANY | | | | | | | IS - INTERF | UPTIBLE SEF | VICE | | | | | | | ~ | | | 0 |
| ľ | ATE SCHEDULE IS-1 | | | BILL | UNDER PRESE | ONT RATES | | | | | | BILL UN | DER PROPOS | ED RATES | | | | INCREAS | u | COSTS IN CEN | TS/KWH |
| - | 1) (2) | (3) | (4) | (5) | (9) | (2) | (8) | (6) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) | (21) | (22) |
| Line No K | TYPICAL M MMH | BASE | CCV | FUEL | ECCR | CHACITY | ECRC | GRT | TOTAL | BASE | CCV | FUEL | ECCR C | | ECRC | GRT . | FOTAL | DOLLARS | PERCENT I | PRESENT | FINAL |
| - No | TWN 001 | RAIE | UREUII | CHARGE | Daroe - | 20 00 P | | TARGE | e 100 0 | RAIE F 000 e | (1 220 21) 0 | | | | | ANGE | 0 14 01 | (ID)-(9) | (6)(1) | 1) 00 (z)/(s) | 001.(7)/0 |
| - 0 | 500 127,750 200 212,000 | \$ 90128 \$ | \$ (G1.277,1) \$ (00.020.57 | 3,901.53 \$ | 335.00 \$ | × 00.01 | \$ 6/.024 \$ 50 0c2 | 210 \$ | 8,204 \$ | 5,283 \$ | \$ (G/.7//'L) \$ (00.020.6/ | \$ 01.105.5 \$ 01.107.9 | 335.00 \$ | 20.00 \$ | 4.25.41 \$ | 212.87 \$ | \$ 06.914.90 \$ 00.800.81 | 107 | 3.0% | 583 | 5.0F |
| чю | 500 328,500 | s 10,607 \$ | (4,558.50) \$ | 0,791.19 \$ | 335.00 \$ | 70.00 \$ | 1,093.91 \$ | 454 \$ | 18,141 \$ | 10,852 \$ | (4,558.50) \$ | 0,/91.19 \$ 10,140.80 \$ | 335.00 \$ | 70.00 \$ | 1,093.91 \$ | 459.82 \$ | 18,392.72 \$ | 251 | 1.4% | 5.52 | 5.60 |
| 4 | | | | | | | | | | | | | | | | | | | | | |
| 5 1, | 000 255,500 | \$ 9,387 \$ | (3,545.50) \$ | 7,923.06 \$ | 670.00 \$ | 140.00 \$ | 851.58 \$ | 396 \$ | 15,821 \$ | 9,877 \$ | (3,545.50) \$ | 7,923.06 \$ | 670.00 \$ | 140.00 \$ | 850.82 \$ | 408.08 \$ | 16,323.13 \$ | 502 | 3.2% | 6.19 | 6.39 |
| 91 | 000 438,000 | \$ 14,449 \$ | (6,078.00) \$ | 13,582.38 \$ | 670.00 \$ | 140.00 \$ | 1,459.85 \$ | 621 \$ | 24,845 \$ | 14,939 \$ | (6,078.00) \$ | 13,582.38 \$ | 670.00 \$ | 140.00 \$ | 1,458.54 \$ | 633.64 \$ | 25,345.79 \$ | 501 | 2.0% | 5.67 | 5.79 |
| -' α | 000,768 000 | \$ 20,524 \$ | \$ (00.711,8) | \$ 66.182.02 | 8/0.00 \$ | 140.00 \$ | \$ 18.781,2 | 888 \$ | \$ 9/G'GE | 21,014 \$ | \$ (00.711,8) | \$ 65.182,02 | 8/ 0.00 \$ | 140.00 \$ | \$ 187.91.2 | 8 16.106 | 36,078.66 \$ | 209 | 1.4% | 0.4 | 5.49 |
| 6 0 | 300 1,277,500 | \$ 44,177 \$ | (17,727.50) \$ | 39,615.28 \$ | 3,350.00 \$ | 700.00 \$ | 4,257.91 \$ | 1,907 \$ | 76,280 \$ | 46,627 \$ | (17,727.50) \$ | 39,615.28 \$ | 3,350.00 \$ | 700.00 \$ | 4,254.08 \$ | 1,969.71 \$ | 78,788.52 \$ | 2,509 | 3.3% | 5.97 | 6.17 |
| 10 5, | 000 2,190,000 | \$ 69,490 \$ | (30,390.00) \$ | 67,911.90 \$ | 3,350.00 \$ | 700.00 \$ | 7,299.27 \$ | 3,035 \$ | 121,396 \$ | 71,940 \$ | (30,390.00) \$ | 67,911.90 \$ | 3,350.00 \$ | 700.00 \$ | 7,292.70 \$ | 3,097.54 \$ | 123,901.85 \$ | 2,506 | 2.1% | 5.54 | 5.66 |
| 11 5 | 000 3,285,000 | \$ 99,865 \$ | (45,585.00) \$ | 101,407.95 \$ | 3,350.00 \$ | 700.00 \$ | 10,939.05 \$ | 4,376 \$ | 175,053 \$ | 102,315 \$ | (45,585.00) \$ | 101,407.95 \$ | 3,350.00 \$ | 700.00 \$ | 0,939.05 \$ 4 | 1,439.15 \$ | 177,566.16 \$ | 2,513 | 1.4% | 5.33 | 5.41 |
| 29 | | | | | | Ŀ | | | | 000000 | 4 | | | | | | | | | | |
| 2: | | | | | PRESE | F.C. | | | | | | | | | | | | | | | |
| <u>4</u> : | | | | | <u>s</u> | IST IST | | | | <u>s</u> | IST | | | | | | | | | | |
| 15 | CUSTOMERCH | ARGE | | | 689.11 | 689.11 \$/E | | | | 689.11 | 689.11 \$/Bill | | | | | | | | | | |
| 16 | DEMAND CHAR | RGE | | | 1.61 | 1.61 \$/k | M | | | 2.10 | 2.10 \$/KV | | | | | | | | | | |
| 17 | PEAK DEMAND | 1 CHARGE | | | , | - 2/4 | N | | | , | - \$/K/ | | | | | | | | | | |
| | ENERGY CHAR | GE | | | 2.774 | - 4/4 | нм | | | 2.774 | - ¢/K/V | т | | | | | | | | | |
| 8 | ON-PEAK ENEF | RGY CHARGE | | | | 2.774 ¢/K | NН | | | | 2.774 ¢/KM | т | | | | | | | | | |
| 19 | OFF-PEAK ENE | ERGY CHARGE | | | | 2.774 ¢/K | NН | | | | 2.774 ¢/KM | т | | | | | | | | | |
| 2 3 | DELIVERY VOL | TAGE CREDIT | | | | - S/k | N | | | | - \$/KV | _ : | | | | | | | | | |
| 7 | | | | | 3.101 | 7/2 - COO C | HM | | | 3.101 | - \$/KW | r : | | | | | | | | | |
| 3 8 | ON-PEAK | | | | | 3.29/ P.17 AIL | | | | | 3.29/ P 147 | | | | | | | | | | |
| 24 | CONSERVATIO | N CHARGE | | | 0.67 | 0.67 \$/k | Ň | | | 0.67 | 0.67 S/KV | | | | | | | | | | |
| 25 | CAPACITY CHA | RGE | | | 0.14 | 0.14 S/k | N | | | 0.14 | 0.14 S/KV | | | | | | | | | | |
| 26 | ENVIRONMENT | 'AL CHARGE | | | 0.333 | 0.333 ¢/k | мн | | | 0.333 | 0.333 ¢/KM | г | | | | | | | | | |
| 27 | | | | | | | | | | | | | | | | | | | | | |
| 28 | GSLM-2 CONTI | RACT CREDIT VALU | щ | | (10.13) | (10.13) \$/k | N | | | (10.13) | (10.13) \$/KM | | | | | | | | | | |
| 29 | | | | | | | | | | | | | | | | | | | | | |
| 30 | Notes: | | | | | | | | | | | | | | | | | | | | |
| 3 | A. The kWh for | reach kW group is ba: | sed on 35, 60, and 5 | 0% load factors | LF). | | | | | | | | | | | | | | | | |
| 32 | B. Charges at 3 | 35% and 60% LF are I | based on standard n | ates and charges | at 90% LF are | based on TOD I | ates. Peak dema | nd to billing dem | and ratios are ass | umed to be 99% a | t 90% LF. | | | | | | | | | | |
| 3 3 | C. Calculations | s assume meter and sc | ervice at primary volu. TE an/off a sol: 9/ for | ige and a power i | actor of 65%. | | | | | | | | | | | | | | | | |
| ŧ 8 | E. CCV credits | /Chârges assume 2011 | ro onvoir-pean ion or | 90% LF. | vine at primary | voltage. | | | | | | | | | | | | | | | |
| 36 | E. Cost recover | v clause factors are th | e current 2018 facto | rs. 2018 fuel clai | use factors used | for both PRES | ENT and PROPC | SED bills above | includes the fuel t | enefit of Tranche | #1 of SoBRA. | | | | | | | | | | |
| 37 | G. The present C | 3SLM-2 Contract Crec | tit Value represents | the 2018 factor. | The proposed G | SLM-2 Contrac | t Credit Value for | 2018 is the same | | | | | | | | | | | | | |

37 G. The present GSLM-2 Contract C
 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.

<u>APPLICABLE</u>: 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: \$16.62

Energy and Demand Charge:

First 1,000 kWh All additional kWh 5.<u>200394</u>¢ per kWh 6.<u>308394</u>¢ per kWh

<u>MINIMUM CHARGE</u>: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.031

ISSUED BY: G. L. Gillette<u>N. G. Tower</u>, President DATE EFFECTIVE: June 5, 2017





TWENTY-THIRD FOURTH REVISED SHEET NO. 6.050 CANCELS TWENTY-SECOND THIRD REVISED SHEET NO. 6.050

GENERAL SERVICE - NON DEMAND

SCHEDULE: GS

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: 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.

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

<u>LIMITATION OF SERVICE</u>: 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 \$19.94

Un-metered accounts \$16.62

Energy and Demand Charge: 5.<u>549691</u>¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.167¢ 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: <u>G. L. GilletteN. G. Tower</u>, President





TWENTY-SECOND-THIRD REVISED SHEET NO. 6.080 CANCELS TWENTY-FIRST-SECOND 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:

<u>STANDARD</u>

Basic Service Charge:

| Secondary Metering Voltage | \$ | 33.24 |
|----------------------------|-----|---------|
| Primary Metering Voltage | \$ | 144.03 |
| Subtrans. Metering Voltage | \$1 | ,096.82 |

Demand Charge: \$10.25-74 per kW of billing demand

Energy Charge: 1 754¢ per l

1.754¢ per kWh

OPTIONAL

Basic Service Charge:

| Secondary Metering Voltage | \$ | 33.24 |
|----------------------------|-----|---------|
| Primary Metering Voltage | \$ | 144.03 |
| Subtrans. Metering Voltage | \$1 | ,096.82 |

Demand Charge: \$0.00 per kW of billing demand

Energy Charge: 6.660829¢ 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: G. L. Gillette<u>N. G. Tower</u>, President DATE EFFECTIVE: January 16, 2017

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SEVENTH EIGHTH REVISED SHEET NO. 6.082 CANCELS SIXTH SEVENTH 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 0.220226° per kWh will apply. A discount of 0.672689° 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 66ϕ per kW of billing demand for customers taking service under the standard rate and $0.167\phi/kWh$ 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





TWENTIETH TWENTY-FIRST REVISED SHEET NO. 6.085 CANCELS NINETEENTH TWENTIETH REVISED SHEET NO. 6.085

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

SCHEDULE: IS

AVAILABLE: Entire Service Area.

<u>APPLICABLE</u>: 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.

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

<u>LIMITATION OF SERVICE</u>: 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 | \$ 689.11 |
| Subtransmission Metering Voltage | \$2,627.94 |

Demand Charge: \$1.612.10 per KW of billing demand

Energy Charge: 2.774¢ per KWH

Continued to Sheet No. 6.086

ISSUED BY: G. L. Gillette<u>N. G. Tower</u>, President





TWENTY-EIGHTH-NINTH REVISED SHEET NO. 6.290 CANCELS TWENTY-SEVENTH EIGHTH REVISED SHEET NO. 6.290

CONSTRUCTION SERVICE

SCHEDULE: CS

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: 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: \$19.94

Energy and Demand Charge: 5.549691¢ per kWh

<u>MINIMUM CHARGE</u>: 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.





TWENTY-SECOND_THIRD REVISED SHEET NO. 6.320 CANCELS TWENTY-FIRST SECOND REVISED SHEET NO. 6.320

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

SCHEDULE: GST

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: 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.

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

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

MONTHLY RATE:

Basic Service Charge: \$22.16

Energy and Demand Charge:

15.18814.533¢ per kWh during peak hours 1.0301.545¢ per kWh during off-peak hours

Continued to Sheet No. 6.321

ISSUED BY: G. L. Gillette<u>N. G. Tower</u>, President





TWENTY-THIRD-FOURTH REVISED SHEET NO. 6.330 CANCELS TWENTY-SECOND-THIRD REVISED SHEET NO. 6.330

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

SCHEDULE: GSDT

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: 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.

<u>CHARACTER OF SERVICE</u>: 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 | \$ | 33.24 |
| Primary Metering Voltage | \$ | 144.03 |
| Subtransmission Metering Voltage | \$1 | ,096.82 |

Demand Charge:

\$3.46-63 per kW of billing demand, plus \$6.797.12 per kW of peak billing demand

Energy Charge:

3.211¢ per kWh during peak hours 1.159¢ per kWh during off-peak hours

Continued to Sheet No. 6.331

ISSUED BY: G. L. Gillette<u>N. G. Tower</u>, President





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

SCHEDULE: IST

AVAILABLE: Entire Service Area.

<u>APPLICABLE</u>: 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.

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

<u>LIMITATION OF SERVICE</u>: 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 _____\$ 689.11 Subtransmission Metering Voltage \$2,627.94

Demand Charge:

\$1.612.10 per KW of billing demand

Energy Charge: 2.774¢ per KWH

Continued to Sheet No. 6.345

ISSUED BY: G. L. Gillette<u>N. G. Tower</u>, President





Continued from Sheet No. 6.560

MONTHLY RATES: Basic Service Charge:

\$16.62

Energy and Demand Charges: 5.549708¢ 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.

<u>DETERMINATION OF PRICING PERIODS</u>. 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. | 1 P.M. to 6 P.M. |
| | | 6 P.M. to 11 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. | 6 A.M. to 10 A.M. |
| | | 10 A.M. to 11 P.M. | |
| Weekends | 11 P.M. to 6 A.M. | 6 A.M. to 11 P.M. | |
| The pricing periods for price discretion of the Company. Let | level P4 (Critical Cos vel P4 hours shall not | t Hours) shall be det exceed 134 hours per | ermined at the sole year. |

Continued to Sheet No. 6.570

ISSUED BY: G. L. Gillette<u>N. G. Tower</u>, President





THIRTEENTH FOURTEENTH REVISED SHEET NO. 6.601 CANCELS TWELFTH THIRTEENTH REVISED SHEET NO. 6.601

Continued from Sheet No. 6.600

CHARGES FOR SUPPLEMENTAL SERVICE:

Demand Charge:

\$10.25<u>74</u>

per kW-Month of Supplemental Billing Demand (Supplemental Billing Demand Charge)

Energy Charge:

1.754¢ 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.)

<u>Peak Hours:</u> (Monday-Friday) <u>April 1 - October 31</u> 12:00 Noon - 9:00 PM

<u>November 1 - March 31</u> 6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

<u>Off-Peak Hours:</u> 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: G. L. Gillette<u>N. G. Tower</u>, President





Continued from Sheet No. 6.605

CHARGES FOR SUPPLEMENTAL SERVICE

Demand Charge:

\$3.**4663**

per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus

\$6.797.12 per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing Demand Charge)

Energy Charge:

3.211¢ per Supplemental kWh during peak hours

1.159¢ per Supplemental kWh during off-peak hours

April 1 - October 31

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.)

Peak Hours: (Monday-Friday)

November 1 - March 31 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 30minute interval, during the month.

> > Continued to Sheet No. 6.607

ISSUED BY: G. L. GilletteN. G. Tower, President





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.

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

<u>LIMITATION OF SERVICE</u>: 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\$716.81Subtransmission Metering Voltage\$2,655.64

Demand Charge:

\$1.612.10 per KW-Month of Supplemental Demand (Supplemental Demand Charge)
 \$1.61 per KW-Month of Standby Demand (Local Facilities Reservation Charge)

plus the greater of:
\$1.33 per KW-Month of Standby Demand (Power Supply Reservation Charge); or
\$0.53 per KW-Day of Actual Standby Billing Demand (Power Supply Demand Charge)

Continued to Sheet No. 6.705

ISSUED BY: G. L. Gillette<u>N. G. Tower</u>, President





SIXTH <u>SEVENTH</u> REVISED SHEET NO. 6.805 CANCELS FIFTH SIXTH REVISED SHEET NO. 6.805

Continued from Sheet No. 6.800

MONTHLY RATE:

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

| | | | Lamp Size | | | Charges per Unit (\$) | | | | |
|-----------|-------|------------------------------|-----------------------|------------------------|------|-----------------------|---------|--------|----------------------------|-------|
| Rate Code | | | | | kWh | | | | Base Energy ⁽⁴⁾ | |
| Dusk | | | | | Dusk | | | | Dusk | |
| to | Timed | | Initial | Lamp | to | Timed | | | to | Timed |
| Dawn | Svc. | Description | Lumens ⁽²⁾ | Wattage ⁽³⁾ | Dawn | Svc. | Fixture | Maint. | Dawn | 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 2.727743¢ per kWh for each fixture.

Continued to Sheet No. 6.806

ISSUED BY: G. L. Gillette<u>N. G. Tower</u>, President





FOURTH FIFTH REVISED SHEET NO. 6.806 CANCELS THIRD FOURTH REVISED SHEET NO. 6.806

Continued from Sheet No. 6.805

MONTHLY RATE:

Metal Halide Fixture, Maintenance, and Base Energy Charges:

| | | | Lamp Size | | е | С | | harges per Unit (\$) | | |
|-----------|-------|---------------------------|-----------------------|---------|------|-------|---------|----------------------|--------|----------------------|
| Rate Code | | | | | kWh | | | | Base E | nergy ⁽⁴⁾ |
| Dusk | | | | | Dusk | | | | Dusk | |
| to | Timed | - | Initial | Lamp | to | Timed | | | to | Timed |
| Dawn | Svc. | Description | Lumens ⁽²⁾ | Wattage | Dawn | Svc. | Fixture | Maint. | Dawn | 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 2.727743¢ per kWh for each fixture.

Continued to Sheet No. 6.808

ISSUED BY: G. L. Gillette N. G. Tower, President





FOURTH FIFTH REVISED SHEET NO. 6.808 CANCELS THIRD FOURTH REVISED SHEET NO. 6.808

Continued from Sheet No. 6.806

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

| | | | Size | | | Charges per Unit (\$) | | | | |
|-----------|-------|--------------|---------|------------------------|--------------------|-----------------------|---------|-------------|---------------------------|-------|
| Rate Code | | | | | kWh ⁽¹⁾ | | | | Base Energy ⁽³ | |
| Dusk | | | | | Dusk | | | | Dusk | |
| to | Timed | | Initial | Lamp | to | Timed | _ | | to | Timed |
| Dawn | Svc. | Description | Lumens | Wattage ⁽²⁾ | Dawn | Svc. | Fixture | Maintenance | Dawn | Svc. |
| 828 | 848 | Roadway | 5,155 | 56 | 20 | 10 | 7.27 | 1.74 | 0.55 | 0.27 |
| 820 | 840 | Roadway | 7,577 | 103 | 36 | 18 | 11.15 | 1.19 | 0.98 | 0.49 |
| 821 | 841 | Roadway | 8,300 | 106 | 37 | 19 | 11.15 | 1.20 | 1.01 | 0.52 |
| 829 | 849 | Roadway | 15,285 | 157 | 55 | 27 | 11.10 | 2.26 | 1.50 | 0.74 |
| 822 | 842 | Roadway | 15,300 | 196 | 69 | 34 | 14.58 | 1.26 | 1.88 | 0.93 |
| 823 | 843 | Roadway | 14,831 | 206 | 72 | 36 | 16.80 | 1.38 | 1.96 | 0.98 |
| 835 | 855 | Post Top | 5,176 | 60 | 21 | 11 | 16.53 | 2.28 | 0.57 | 0.30 |
| 824 | 844 | Post Top | 3,974 | 67 | 24 | 12 | 19.67 | 1.54 | 0.65 | 0.33 |
| 825 | 845 | Post Top | 6,030 | 99 | 35 | 17 | 20.51 | 1.56 | 0.95 | 0.46 |
| 836 | 856 | Post Top | 7,360 | 100 | 35 | 18 | 16.70 | 2.28 | 0.95 | 0.49 |
| 830 | 850 | Area-Lighter | 14,100 | 152 | 53 | 27 | 14.85 | 2.51 | 1.45 | 0.74 |
| 826 | 846 | Area-Lighter | 13,620 | 202 | 71 | 35 | 19.10 | 1.41 | 1.94 | 0.95 |
| 827 | 847 | Area-Lighter | 21,197 | 309 | 108 | 54 | 20.60 | 1.55 | 2.95 | 1.47 |
| 831 | 851 | Flood | 22,122 | 238 | 83 | 42 | 15.90 | 3.45 | 2.26 | 1.15 |
| 832 | 852 | Flood | 32,087 | 359 | 126 | 63 | 19.16 | 4.10 | 3.44 | 1.72 |
| 833 | 853 | Mongoose | 24,140 | 245 | 86 | 43 | 14.71 | 3.04 | 2.35 | 1.17 |
| 834 | 854 | Mongoose | 32,093 | 328 | 115 | 57 | 16.31 | 3.60 | 3.14 | 1.55 |
| 1 | 1 | | 1 | 1 | | I | | | | I |

(1) Average

I

⁽²⁾ Average wattage. Actual wattage may vary by up to +/- 5 watts.

⁽³⁾ The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.727743¢ per kWh for each fixture.

Continued to Sheet No. 6.810

ISSUED BY: G. L. Gillette N. G. Tower, President

DATE EFFECTIVE: January 16, 2017

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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 2.727743ϕ per kWh of metered usage, plus a Basic Service Charge of \$11.62 per month and the applicable additional charges as specified on Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.820

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ISSUED BY: G. L. Gillette<u>N. G. Tower</u>, President
APPENDIX "D"

PROPOSED CLEAN TARIFF SHEETS



TWENTY-THIRD REVISED SHEET NO. 6.030 CANCELS TWENTY-SECOND REVISED SHEET NO. 6.030

RESIDENTIAL SERVICE

SCHEDULE: RS

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: 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.

<u>LIMITATION OF SERVICE</u>: 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: \$16.62

Energy and Demand Charge:

First 1,000 kWh All additional kWh 5.394¢ per kWh 6.394¢ 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:



TWENTY-FOURTH REVISED SHEET NO. 6.050 CANCELS TWENTY-THIRD REVISED SHEET NO. 6.050

GENERAL SERVICE - NON DEMAND

SCHEDULE: GS

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: 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.

<u>LIMITATION OF SERVICE</u>: 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 \$19.94 Un-metered accounts \$16.62

Energy and Demand Charge: 5.691¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.167¢ 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.



TWENTY-THIRD REVISED SHEET NO. 6.080 CANCELS TWENTY-SECOND 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.

<u>LIMITATION OF SERVICE</u>: 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:

<u>STANDARD</u>

Basic Service Charge:

| Secondary Metering Voltage | \$ | 33.24 |
|----------------------------|-----|---------|
| Primary Metering Voltage | \$ | 144.03 |
| Subtrans. Metering Voltage | \$1 | ,096.82 |

Demand Charge:

\$10.74 per kW of billing demand

Energy Charge:

1.754¢ per kWh

Basic Service Charge:

| Secondary Metering Voltage | \$ | 33.24 |
|----------------------------|-----|---------|
| Primary Metering Voltage | \$ | 144.03 |
| Subtrans, Metering Voltage | \$1 | .096.82 |

OPTIONAL

Demand Charge: \$0.00 per kW of billing demand

Energy Charge: 6.829¢ 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.



EIGHTH REVISED SHEET NO. 6.082 CANCELS SEVENTH 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 0.226ϕ per kWh will apply. A discount of 0.689ϕ 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 66¢ per kW of billing demand for customers taking service under the standard rate and 0.167¢/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.

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

<u>LIMITATION OF SERVICE</u>: 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 | \$ 689.11 |
|----------------------------------|------------|
| Subtransmission Metering Voltage | \$2,627.94 |

Demand Charge:

\$2.10 per KW of billing demand

Energy Charge:

2.774¢ per KWH



TWENTY-NINTH REVISED SHEET NO. 6.290 CANCELS TWENTY-EIGHTH REVISED SHEET NO. 6.290

CONSTRUCTION SERVICE

SCHEDULE: CS

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: Single phase temporary service used primarily for construction purposes.

<u>LIMITATION OF SERVICE</u>: 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: \$19.94

Energy and Demand Charge: 5.691¢ per kWh

<u>MINIMUM CHARGE</u>: 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.

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PAYMENT OF BILLS: See Sheet No. 6.022.



TWENTY-THIRD REVISED SHEET NO. 6.320 CANCELS TWENTY-SECOND 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.

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

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

MONTHLY RATE:

Basic Service Charge: \$22.16

Energy and Demand Charge:

14.533¢ per kWh during peak hours 1.545¢ per kWh during off-peak hours



TWENTY-FOURTH REVISED SHEET NO. 6.330 CANCELS TWENTY-THIRD REVISED SHEET NO. 6.330

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

SCHEDULE: GSDT

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: 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.

<u>CHARACTER OF SERVICE</u>: 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 | \$ | 33.24 |
| Primary Metering Voltage | \$ | 144.03 |
| Subtransmission Metering Voltage | \$1 | ,096.82 |

Demand Charge:

\$3.63 per kW of billing demand, plus \$7.12 per kW of peak billing demand

Energy Charge:

3.211 ¢ per kWh during peak hours 1.159 ¢ per kWh during off-peak hours

Continued to Sheet No. 6.331

ISSUED BY: N. G. Tower, President

DATE EFFECTIVE:



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.

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

<u>LIMITATION OF SERVICE</u>: 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\$ 689.11Subtransmission Metering Voltage\$2,627.94

Demand Charge:

\$2.10 per KW of billing demand

Energy Charge: 2.774¢ per KWH



NINTH REVISED SHEET NO. 6.565 CANCELS EIGHTH REVISED SHEET NO. 6.565

Continued from Sheet No. 6.560

MONTHLY RATES:

Basic Service Charge:

\$16.62

Energy and Demand Charges: 5.708¢ 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 | P3 |
|------------------------|--|---|--|
| Weekdays | 11 P.M. to 6 A.M. | 6 A.M. to 1 P.M. | 1 P.M. to 6 P.M. |
| | | 6 P.M. to 11 P.M. | |
| Weekends | 11 P.M. to 6 A.M. | 6 A.M. to 11 P.M. | |
| | _ | _ | _ |
| November through April | P1 | P ₂ | P3 |
| Weekdays | P ₁ 11 P.M. to 5 A.M. | P₂ 5 A.M. to 6 A.M. | P ₃ 6 A.M. to 10 A.M. |
| Weekdays | P ₁ 11 P.M. to 5 A.M. | P ₂ 5 A.M. to 6 A.M. 10 A.M. to 11 P.M. | P ₃ 6 A.M. to 10 A.M. |
| Weekdays Weekends | P ₁ 11 P.M. to 5 A.M. 11 P.M. to 6 A.M. | P ₂ 5 A.M. to 6 A.M. 10 A.M. to 11 P.M. 6 A.M. to 11 P.M. | P ₃ 6 A.M. to 10 A.M. |

The pricing periods for price level P₄ (Critical Cost Hours) shall be determined at the sole discretion of the Company. Level P₄ hours shall not exceed 134 hours per year. Continued to Sheet No. 6.570



FOURTEENTH REVISED SHEET NO. 6.601 CANCELS THIRTEENTH REVISED SHEET NO. 6.601

Continued from Sheet No. 6.600

CHARGES FOR SUPPLEMENTAL SERVICE:

Demand Charge:

\$10.74

per kW-Month of Supplemental Billing Demand (Supplemental Billing Demand Charge)

Energy Charge:

1.754¢ 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.)

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

<u>Off-Peak Hours:</u> 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.



ELEVENTH REVISED SHEET NO. 6.606 CANCELS TENTH REVISED SHEET NO. 6.606

Continued from Sheet No. 6.605

CHARGES FOR SUPPLEMENTAL SERVICE

Demand Charge:

- \$3.63 per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus
- \$7.12 per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing Demand Charge)

Energy Charge:

- 3.211¢ per Supplemental kWh during peak hours
 - 1.159¢ 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.)

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

<u>Off-Peak Hours:</u> 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.



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.

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

<u>LIMITATION OF SERVICE</u>: 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 | \$716.81 |
| Subtransmission Metering Voltage | \$2,655.64 |

Demand Charge:

\$2.10 per KW-Month of Supplemental Demand (Supplemental Demand Charge)\$1.61 per KW-Month of Standby Demand (Local Facilities Reservation Charge)

plus the greater of:
\$1.33 per KW-Month of Standby Demand (Power Supply Reservation Charge); or
\$0.53 per KW-Day of Actual Standby Billing Demand (Power Supply Demand Charge)

Continued to Sheet No. 6.705

ISSUED BY: N. G. Tower, President



SEVENTH REVISED SHEET NO. 6.805 CANCELS SIXTH REVISED SHEET NO. 6.805

Continued from Sheet No. 6.800

MONTHLY RATE:

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

| | | | Lamp Size | | | Cł | narges pe | er Unit (\$) | | |
|------|-------|------------------------------|-----------|---------|------|-------|-----------|--------------|--------|----------------------|
| Rate | Code | | | kWh | | | | | Base E | nergy ⁽⁴⁾ |
| Dusk | | | | | Dusk | | | | Dusk | |
| to | Timed | Description | Initial | Lamp | to | Timed | Fisture | Maint | to | Timed |
| Dawn | 500. | Description | Lumens | wallage | Dawn | SVC. | FIXIUIE | Maint. | Dawn | 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 2.743¢ per kWh for each fixture.



FIFTH REVISED SHEET NO. 6.806 CANCELS FOURTH REVISED SHEET NO. 6.806

Continued from Sheet No. 6.805

MONTHLY RATE:

Metal Halide Fixture, Maintenance, and Base Energy Charges:

| | | | Lamp Size | | | С | harges pe | r Unit (\$) | | |
|--------------------|---------------|---------------------------|----------------------------------|--------------------------------|--------------------|---------------|-----------|-------------|--------------------|----------------------|
| Rate | Code | | | kWh | | | | | Base E | nergy ⁽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 2.743¢ per kWh for each fixture.



FIFTH REVISED SHEET NO. 6.808 CANCELS FOURTH REVISED SHEET NO. 6.808

Continued from Sheet No. 6.806

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

| | | | Size Charges pe | | | Charges per l | Unit (\$) | | | | |
|------------|---------------|--------------|----------------------------------|--------------------------------|------------|------------------|-----------|-------------|------------|----------------------------|--|
| Rate | Code | | | | kW | h ⁽¹⁾ | | | | Base Energy ⁽³⁾ | |
| Dusk | | | | | Dusk | | | | Dusk | | |
| to Dawn | Timed Svc. | Description | Initial Lumens ⁽¹⁾ | Lamp Wattage ⁽²⁾ | to Dawn | Timed Svc. | Fixture | Maintenance | to Dawn | Timed Svc. | |
| 828 | 848 | Roadway | 5,155 | 56 | 20 | 10 | 7.27 | 1.74 | 0.55 | 0.27 | |
| 820 | 840 | Roadway | 7,577 | 103 | 36 | 18 | 11.15 | 1.19 | 0.98 | 0.49 | |
| 821 | 841 | Roadway | 8,300 | 106 | 37 | 19 | 11.15 | 1.20 | 1.01 | 0.52 | |
| 829 | 849 | Roadway | 15,285 | 157 | 55 | 27 | 11.10 | 2.26 | 1.50 | 0.74 | |
| 822 | 842 | Roadway | 15,300 | 196 | 69 | 34 | 14.58 | 1.26 | 1.88 | 0.93 | |
| 823 | 843 | Roadway | 14,831 | 206 | 72 | 36 | 16.80 | 1.38 | 1.96 | 0.98 | |
| 835 | 855 | Post Top | 5,176 | 60 | 21 | 11 | 16.53 | 2.28 | 0.57 | 0.30 | |
| 824 | 844 | Post Top | 3,974 | 67 | 24 | 12 | 19.67 | 1.54 | 0.65 | 0.33 | |
| 825 | 845 | Post Top | 6,030 | 99 | 35 | 17 | 20.51 | 1.56 | 0.95 | 0.46 | |
| 836 | 856 | Post Top | 7,360 | 100 | 35 | 18 | 16.70 | 2.28 | 0.95 | 0.49 | |
| 830 | 850 | Area-Lighter | 14,100 | 152 | 53 | 27 | 14.85 | 2.51 | 1.45 | 0.74 | |
| 826 | 846 | Area-Lighter | 13,620 | 202 | 71 | 35 | 19.10 | 1.41 | 1.94 | 0.95 | |
| 827 | 847 | Area-Lighter | 21,197 | 309 | 108 | 54 | 20.60 | 1.55 | 2.95 | 1.47 | |
| 831 | 851 | Flood | 22,122 | 238 | 83 | 42 | 15.90 | 3.45 | 2.26 | 1.15 | |
| 832 | 852 | Flood | 32,087 | 359 | 126 | 63 | 19.16 | 4.10 | 3.44 | 1.72 | |
| 833 | 853 | Mongoose | 24,140 | 245 | 86 | 43 | 14.71 | 3.04 | 2.35 | 1.17 | |
| 834 | 854 | Mongoose | 32,093 | 328 | 115 | 57 | 16.31 | 3.60 | 3.14 | 1.55 | |
| | | | | | | | | | | | |

⁽¹⁾ Average
 ⁽²⁾ Average wattage. Actual wattage may vary by up to +/- 5 watts.
 ⁽³⁾ The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.743¢ per kWh for each fixture.

Continued to Sheet No. 6.810

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 2.743¢ per kWh of metered usage, plus a Basic Service Charge of \$11.62 per month and the applicable additional charges as specified on Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.820



DATE EFFECTIVE:



BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 2017 -EI IN RE: PETITION BY TAMPA ELECTRIC COMPANY FOR A LIMITED PROCEEDING TO APPROVE FIRST SOBRA EFFECTIVE SEPTEMBER 1, 2018

PREPARED DIRECT TESTIMONY AND EXHIBIT

OF

R. JAMES ROCHA

TAMPA ELECTRIC COMPANY DOCKET NO. 2017 -EI FILED: 12/14/2017

| 1 | | BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION |
|----|----|--|
| 2 | | PREPARED DIRECT TESTIMONY |
| 3 | | OF |
| 4 | | R. JAMES ROCHA |
| 5 | | |
| 6 | Q. | Please state your name, address, occupation and employer. |
| 7 | | |
| 8 | A. | My name is R. James Rocha. My business address is 702 N. |
| 9 | | Franklin Street, Tampa, Florida 33602. I am employed by |
| 10 | | Tampa Electric Company ("Tampa Electric" or "company") as |
| 11 | | Director of Generation Asset Strategy. My |
| 12 | | responsibilities include leading the resource planning |
| 13 | | group, identifying the need for future resource |
| 14 | | additions, and analyzing the economic and other |
| 15 | | operational impacts to Tampa Electric's system associated |
| 16 | | with the addition of resource options. |
| 17 | | |
| 18 | Q. | Please provide a brief outline of your educational |
| 19 | | background and business experience. |
| 20 | | |
| 21 | A. | I graduated from the Georgia Institute of Technology with |
| 22 | | a Bachelor's degree in Nuclear Engineering in 1982 and a |
| 23 | | Master of Science Degree in Nuclear Engineering in 1983. |
| 24 | | I earned a Master's degree in Business Administration from |
| 25 | | the University of Tampa in 1993, and I am a registered |
| | | |

Professional Engineer in the State of Florida. 1 2 3 In 1984, I was employed by Commonwealth Edison Company as a nuclear fuel engineer in the modeling of unit operation. 4 5 In 1987, I joined Florida Power Corporation and became a resource planning engineer in the Generation Planning 6 Department. In 2000, I became Manager of Financial 7 Analysis at TECO Energy, responsible for business 8 development and asset management. Since 2006, I have 9 held several positions at Tampa Electric responsible for 10 11 budgeting, business strategies and North American Electric Reliability Corporation ("NERC") Critical 12 Infrastructure Protection ("CIP") non-CIP 13 and NERC 14 compliance. 15 I have over 30 years of accumulated electric utility 16 experience working in the areas of resource planning, 17 business and financial analysis, and engineering. I was 18 appointed to my current position in December 2011. 19 20 Have you previously testified before the Commission? 21 Ο. 22 23 Α. Yes. In 2012, I testified in Docket No. 20120234-EI in support of the company's petition for determination of 24 need of the Polk 2-5 Combined Cycle Conversion Project. 25

I also served on the company's panel of subject matter 1 experts during the hearing on the 2017 Amended and 2 3 Restated Stipulation and Settlement Agreement ("2017 Agreement"), held on November 6, 2017. 4 5 What are the purposes of your direct testimony? 6 Ο. 7 The purpose of my direct testimony is to: (1) describe 8 Α. the provisions in the 2017 Agreement recently approved by 9 the Commission that allow cost recovery of solar 10 11 generation projects through a Solar Base Rate Adjustment ("SoBRA"); (2) sponsor and explain the calculation of the 12 revenue requirement for the company's SoBRA for the two 13 14 projects comprising the company's first tranche of solar generation ("First SoBRA") effective September 1, 2018; 15 16 and (3) demonstrate that the two projects in the company's First SoBRA satisfy the cost-effectiveness test specified 17 in the 2017 Agreement. 18 19 20 Q. Have you prepared an exhibit to support your direct testimony? 21 22 Yes, Exhibit No. (RJR-1) was prepared by me or under 23 Α. my direction and supervision. 24 It consists of the following four (4) documents: 25

| i | l | |
|----|------|---|
| 1 | | Document No. 1: Demand and Energy Forecast |
| 2 | | Document No. 2: Fuel Price Forecast |
| 3 | | Document No. 3: Revenue Requirements for First SoBRA |
| 4 | | Document No. 4: Cost Effectiveness Test for First SoBRA |
| 5 | | |
| 6 | Q. | How does your testimony relate to the prepared direct |
| 7 | | testimony of Tampa Electric witnesses Mark D. Ward and |
| 8 | | William R. Ashburn? |
| 9 | | |
| 10 | A. | Tampa Electric witness Ward's direct testimony describes |
| 11 | | the two projects (Payne Creek Solar and Balm Solar) for |
| 12 | | which cost recovery is requested via the company's First |
| 13 | | SoBRA, as well as their projected in-service dates and |
| 14 | | installed cost per kilowatt alternating current ("kW $_{ac}{\prime\prime})$. |
| 15 | | I use the projected installed project cost in witness |
| 16 | | Ward's direct testimony to calculate the annual revenue |
| 17 | | requirement for the First SoBRA. The company's cost of |
| 18 | | service and rate design witness, William R. Ashburn, uses |
| 19 | | the annual revenue requirement described in my direct |
| 20 | | testimony to develop the proposed customer rates for the |
| 21 | | First SoBRA. |
| 22 | | |
| 23 | 2017 | Agreement |
| 24 | 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).

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Therein, among other things, Tampa Electric agreed that the 7 general base rates provided for in the 2013 Stipulation 8 would remain in effect through December 31, 2017 and 9 thereafter until the company's next general base rate case. 10 11 The 2013 Agreement also specified that Tampa Electric would forego seeking future general base rate increases with an 12 effective date prior to January 1, 2018, except in limited 13 14 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 1 31, 2017 and (b) extend the terms of the 2013 Agreement for 2 3 additional period. During those discussions, OPC an requested and Tampa Electric provided extensive financial 4 5 and other information to OPC regarding its financial condition and future business plans. The Florida 6 Industrial Power Users Group, Florida Retail Federation, 7 Federal Executive Agencies, and West Central Florida 8 Hospital Alliance later joined the discussions and made 9 their own requests for information. As a result of this 10 11 extensive and time-consuming process, the five Parties reached an agreement with Tampa Electric to extend the 2013 12 Agreement with limited amendments, subject to Commission 13 14 approval. 15 The Commission approved the 2017 Agreement on November 6, 16 2017 and memorialized its approval in Order No. PSC-2017-17 0456-S-EI, issued on November 27, 2017. 18 19 20 Q. Please generally describe the 2017 Agreement. 21

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 if federal tax reform

occurs 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 will enable the company 9 to significantly reduce its carbon emissions profile and its 10 11 dependence on carbon-based fuels by installing and receiving cost recovery for up to 600 MW of photovoltaic 12 single axis tracking solar generation. This major addition 13 14 of solar generation will continue the company's transformation into a cleaner, more sustainable energy 15 16 company, thereby improving fuel diversity and reducing its exposure to financial and other risks associated with 17 burning carbon-based fuels. Because the fuel cost of solar 18 generation is zero, it will provide an important measure of 19 20 price stability to customers. The 2017 Agreement also allows the company to take maximum advantage of the existing 21 30 percent solar investment tax credit while the credit 22 23 remains in effect, as well as bonus depreciation, for the benefit of customers. 24

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What are the key SoBRA cost recovery provisions in the 2017 1 Q. 2 Agreement? 3 There are several key provisions in the 2017 Agreement. Α. 4 5 First, subparagraph 6(b) of the 2017 Agreement authorizes Tampa Electric to seek recovery of up to 150 MW of new solar 6 generation to be in-service on or before September 1, 2018 7 through a SoBRA. Per the 2017 Agreement, the effective 8 date of the First SoBRA can be no earlier than September 1, 9 2018 and its maximum incremental annual revenue requirement 10 11 may not exceed \$30,600,000, with four months of cost recovery in 2018 capped at \$10,200,000. 12 13 14 Second, subparagraph 6(d) of the 2017 Agreement specifies that the installed cost of each individual project to be 15 recovered through a SoBRA may not exceed \$1,500 per $kW_{ac.}$ 16 Witness Ward's direct testimony presents the projected 17 installed costs per kW_{ac} for the two projects in the First 18 SoBRA and shows that the projected costs are below this 19 20 cap. 21 Third, subparagraph 6(g) of the 2017 Agreement states that 22 23 the cost-effectiveness for the projects in a SoBRA tranche shall be evaluated in total by considering whether the 24 projects in the tranche will lower the company's projected 25

system Cumulative Present Value Revenue Requirement ("CPVRR") as compared to such CPVRR without the solar projects.

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5 Fourth, subparagraphs 6(a) through 6(c) of the 2017 Agreement specify that, subject to the revenue requirement 6 limits in subparagraph 6(b) of the 2017 Agreement, the SoBRA 7 will be calculated using the company's projected installed 8 cost per kW_{ac} for each project in the tranche (subject to 9 Installed Cost reasonable estimates the Cap); for 10 11 depreciation expense, property taxes and fixed O&M expenses; an incremental capital structure reflecting the 12 then current midpoint Return On Equity and a 54 percent 13 14 equity ratio, adjusted to reflect the inclusion of investment tax credits on a normalized basis. 15

Fifth, subparagraph 6(d) of the 2017 Agreement specifies 17 that the types of costs of solar projects that traditionally 18 have been allowed in rate base are eligible for cost 19 20 recovery via a SoBRA, and lists the following types of costs examples: Engineering, Procurement and Construction 21 as ("EPC") costs; development costs including third party 22 23 development fees, if any; permitting fees and costs; actual land costs and land acquisition costs; taxes; utility costs 24 complete development; transmission 25 to support or

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, if the First SoBRA is less than the allowed 150 MW, that difference could be added to the Second SoBRA.

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Annual Revenue Requirement

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

The annual revenue requirement is \$26.493 million. This 6 Α. amount was calculated using the projected installed costs 7 of the two projects (Payne Creek Solar and Balm Solar) in 8 witness Ward's direct testimony and in accordance with 9 the revenue requirement cost recovery provisions of the 10 11 2017 Agreement. A summary of the annual revenue requirement calculation is shown in Document No. 3 of my 12 Exhibit No. (RJR-1). 13

Q. Please explain the assumptions used in your analysis.

Α. The base assumptions for the calculation are the company's 17 demand and energy forecast shown in Document No. 1 of my 18 exhibit, the fuel forecast shown in Document No. 2 of my 19 20 exhibit, and the solar property tax exemption. These same assumptions were used in setting Tampa Electric's 21 2018 cost recovery factors and will be used in its Ten 22 23 Year Site Plan to be submitted on April 1, 2018. The Investment Tax Credits ("ITC") associated with the First 24 SoBRA were normalized over the thirty-year life of the 25

assets in accordance with applicable Internal Revenue 1 2 Service regulations. 3 These assumptions were included in a model that considered 4 5 the solar project costs along with the company's incremental capital costs and agreed upon capital 6 structure to arrive at a revenue requirement amount. 7 Tampa Electric used the following capital structure: 8 a 10.25 percent return on common equity using a 54 percent 9 equity ratio and a 4.5 percent long-term debt rate on the 10 11 remaining 46 percent debt in the capital structure. 12 Please explain the calculation of the annual revenue 13 Q. 14 requirement for the First SoBRA as presented in Document No. 3 of my Exhibit No. (RJR-1). 15 16 Using the capital expenditures presented by witness Ward, 17 Α. I calculated the book depreciation and the cost of capital 18 19 capital above adjusted using the structure for 20 accumulated deferred taxes. I also added property taxes and fixed operating expenses. 21 22 23 Q. Is this a final revenue requirement amount and how are 24 customers protected? 25

| | 1 | |
|----|----|---|
| 1 | A. | No. Subparagraph 6(g) of the 2017 Agreement specifies that |
| 2 | | this annual revenue requirement amount will be trued up for |
| 3 | | the actual installed cost and in-service dates of the |
| 4 | | projects covered by the First SoBRA when it petitions for |
| 5 | | approval of its Second SoBRA. I did not include a true-up |
| 6 | | in the calculation of the First SoBRA, because this is the |
| 7 | | first solar tranche. After the in-service date of a |
| 8 | | tranche, when the actual costs are known, and |
| 9 | | contemporaneous with a fuel docket filing, Tampa Electric |
| 10 | | will include a true-up for each revenue requirement |
| 11 | | calculation. |
| 12 | | |
| 13 | Q. | Does the annual revenue requirement presented in Exhibit |
| 14 | | No (RJR-1) reflect an incentive savings adjustment? |
| 15 | | |
| 16 | A. | Yes. Subparagraph 6(m) of the 2017 Agreement contains an |
| 17 | | incentive designed to encourage Tampa Electric to build |
| 18 | | solar projects for recovery under a SoBRA at the lowest |
| 19 | | possible cost. According to subparagraph 6(m), if Tampa |
| 20 | | Electric's actual installed cost for a project is less than |
| 21 | | the Installed Cost Cap, the company's customers and the |
| 22 | | company will share in the beneficial difference with 75 |
| 23 | | percent of the difference inuring to the benefit of |
| 24 | | customers and 25 percent serving as an incentive to the |
| 25 | | company to seek such cost savings over the life of this |
| | | |

2017 Agreement. The company has included the effect of the 1 incentive in its revenue requirement for the First SoBRA 2 3 based on projected costs. 4 5 Q. Does the 2017 Agreement include an example of how the incentive mechanism would work? 6 7 Α. According to subparagraph 6(m), if the actual 8 Yes. installed cost of a solar project is \$1,400 per kW_{ac} , the 9 final cost to be used for purposes of computing cost 10 11 recovery under this 2017 Agreement and the true-up of the initial SOBRA would be $\$1,425 \text{ kW}_{ac}$ [0.25 times (\$1,500 -12 \$1,400 + \$1,400]. 13 14 What are the incentive calculations for the first tranche 15 0. based on the company's projected installed costs? 16 17 Witness Ward projects the installed costs for the Payne 18 Α. Creek Solar and Balm Solar projects to be \$1,324 kWac and 19 20 \$1,480 kWac, respectively, including interconnect, AFUDC, and land. For the Payne Creek Solar project, the incentive 21 was calculated as $[25\% \times (\$1,500 - \$1,324) + \$1,324 =$ 22 23 \$1,368]. For the Balm Solar project, the incentive was calculated as $[25\% \times (\$1,500 - \$1,480) + \$1,480 = \$1,485]$. 24 The total incentive included for both Payne Creek Solar and 25

| 1 | | |
|----|------|---|
| 1 | | Balm Solar was \$44 $k \ensuremath{\mathbb{W}}_{ac}$ and \$5 $k \ensuremath{\mathbb{W}}_{ac}$, respectively, so that |
| 2 | | it averages about \$25 kW_{ac} . |
| 3 | | |
| 4 | Cost | -Effectiveness Test |
| 5 | Q. | Please describe the cost-effectiveness standard in the 2017 |
| 6 | | Agreement. |
| 7 | | |
| 8 | A. | Subparagraph 6(g) of the 2017 Agreement states that the |
| 9 | | cost-effectiveness for the projects in a SoBRA tranche |
| 10 | | shall be evaluated in total by considering only whether the |
| 11 | | projects in the tranche will lower the company's projected |
| 12 | | system CPVRR as compared to such CPVRR without the solar |
| 13 | | projects. |
| 14 | | |
| 15 | Q. | Have you evaluated the two projects covered by the First |
| 16 | | SoBRA in light of this cost-effectiveness test? |
| 17 | | |
| 18 | A. | Yes. The two projects covered by the First SoBRA lower the |
| 19 | | company's projected system CPVRR as compared to such CPVRR |
| 20 | | without the solar projects; therefore, the projects covered |
| 21 | | by the First SoBRA satisfy the cost-effectiveness test in |
| 22 | | the 2017 Agreement. The calculations used to support this |
| 23 | | conclusion are based on the projected installed costs |
| 24 | | presented in witness Ward's direct testimony and associated |
| 25 | | incentive and are contained in Document No. 4 of my exhibit. |
| | | |

Please explain the underlying assumptions used to determine 1 Q. 2 the projected system CPVRR, as reflected in Document No. 4 3 of your exhibit. 4 5 Α. In addition to the same assumptions used in the revenue requirement calculation, Tampa Electric developed 6 а reference expansion plan with no solar and а 7 second expansion plan case including the projects of the First 8 SoBRA. 9 10 Please explain the projected system CPVRR calculations 11 Q. reflected in Document No. 4. 12 13 14 Α. The differential CPVRR is favorable for customers by \$143.9 million before any value for reduced emissions is included 15 16 and \$155.9 million when reduced emissions value is included. The CPVRR fuel savings are \$205.3 million, 17 averaging \$20 million per year. It would be expected that 18 the projects of the First SoBRA, as a zero-variable cost 19 20 resource generating during the peak of the daylight hours, would show the largest fuel savings. Tampa Electric tested 21 the robustness of these savings to customers by calculating 22 23 sensitivities on fuel prices and a market price forecast for carbon. The results confirmed that customer savings 24 would occur under all scenarios. 25

| 1 | Q. | Please discuss other benefits of the First SoBRA tranche, |
|----|------|---|
| 2 | | including lower emissions. |
| 3 | | |
| 4 | A. | The two solar projects included in the First SoBRA will |
| 5 | | decrease carbon dioxide (" CO_2 ") emissions by over 200,000 |
| 6 | | tons per year, while in the early years, it will decrease |
| 7 | | nitrogen oxide ("NOx") emissions by hundreds of tons per |
| 8 | | year and sulfur dioxide ("SO ₂) emissions by thousands of |
| 9 | | tons per year. Additionally, the solar projects will result |
| 10 | | in increased construction jobs and additional property tax |
| 11 | | revenues for the county. All the while, Tampa Electric |
| 12 | | will maintain competitive rates for customers which are |
| 13 | | expected to remain among the lowest of Florida's investor- |
| 14 | | owned utilities. |
| 15 | | |
| 16 | Summ | ary |
| 17 | Q. | Please summarize your direct testimony. |
| 18 | | |
| 19 | A. | The solar projects of the First SoBRA result in CPVRR |
| 20 | | savings of \$143.9 million, while reducing air emissions |
| 21 | | and delivering fuel diversity and price stability for |
| 22 | | customers. The assumptions are reasonable, the |
| 23 | | methodology sound, and the results comport with the |
| 24 | | provisions of the 2017 Agreement and the cost- |
| | | |
| 1 | | Electric, accordingly, requests approval of the First |
|----|----|---|
| 2 | | SoBRA by the Commission. |
| 3 | | |
| 4 | Q. | Does this conclude your direct testimony? |
| 5 | | |
| 6 | A. | Yes, it does. |
| 7 | | |
| 8 | | |
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| TAMPA ELECTRIC | COMPANY |
|-----------------|---------|
| DOCKET NO. 2017 | -EI |
| EXHIBIT NO. | (RJR-1) |

EXHIBIT

OF

R. JAMES ROCHA

| TAMPA ELECTRIC | COMPANY |
|-----------------|---------|
| DOCKET NO. 2017 | -EI |
| EXHIBIT NO. | (RJR-1) |

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017 -EI EXHIBIT NO. (RJR-1) DOCUMENT NO. 1 PAGE 1 OF 1 FILED: 12/14/2017

Demand & Energy Forecast

| | | Summer | Energy |
|------|-------------|--------|--------|
| | Winter (MW) | (MW) | (GWh) |
| 2017 | 3,138 | 4,080 | 20,274 |
| 2018 | 4,285 | 4,126 | 20,501 |
| 2019 | 4,347 | 4,175 | 20,677 |
| 2020 | 4,408 | 4,227 | 20,886 |
| 2021 | 4,468 | 4,281 | 21,105 |
| 2022 | 4,519 | 4,328 | 21,267 |
| 2023 | 4,583 | 4,384 | 21,522 |
| 2024 | 4,647 | 4,441 | 21,785 |
| 2025 | 4,708 | 4,497 | 22,045 |
| 2026 | 4,754 | 4,536 | 22,165 |
| 2027 | 4,817 | 4,594 | 22,452 |
| 2028 | 4,880 | 4,652 | 22,750 |
| 2029 | 4,943 | 4,710 | 23,050 |
| 2030 | 5,005 | 4,762 | 23,318 |
| 2031 | 5,060 | 4,812 | 23,576 |
| 2032 | 5,114 | 4,862 | 23,838 |
| 2033 | 5,169 | 4,913 | 24,103 |
| 2034 | 5,224 | 4,965 | 24,375 |
| 2035 | 5,282 | 5,018 | 24,654 |
| 2036 | 5,337 | 5,069 | 24,937 |
| 2037 | 5,337 | 5,069 | 24,937 |
| 2038 | 5,337 | 5,069 | 24,937 |
| 2039 | 5,337 | 5,069 | 24,937 |
| 2040 | 5,337 | 5,069 | 24,937 |
| 2041 | 5,337 | 5,069 | 24,937 |
| 2042 | 5,337 | 5,069 | 24,937 |
| 2043 | 5,337 | 5,069 | 24,937 |
| 2044 | 5,337 | 5,069 | 24,937 |
| 2045 | 5,337 | 5,069 | 24,937 |
| 2046 | 5,337 | 5,069 | 24,937 |
| 2047 | 5,337 | 5,069 | 24,937 |

TAMPA ELECTRIC COMPANY DOCKET NO. 2017 -EI EXHIBIT NO. (RJR-1) DOCUMENT NO. 2 PAGE 1 OF 1 FILED: 12/14/2017

Fuel Forecast (\$/MMBtu)

| | Coal | Natural Gas |
|------|------|-------------|
| 2017 | 2.24 | 3.51 |
| 2018 | 2.35 | 3.24 |
| 2019 | 2.72 | 3.28 |
| 2020 | 3.00 | 3.58 |
| 2021 | 3.19 | 3.82 |
| 2022 | 3.23 | 3.95 |
| 2023 | 3.28 | 4.22 |
| 2024 | 3.33 | 4.48 |
| 2025 | 3.37 | 4.73 |
| 2026 | 3.44 | 4.98 |
| 2027 | 3.54 | 5.25 |
| 2028 | 3.76 | 5.84 |
| 2029 | 3.97 | 6.11 |
| 2030 | 4.26 | 6.68 |
| 2031 | 4.34 | 6.93 |
| 2032 | 4.53 | 7.50 |
| 2033 | 4.54 | 7.59 |
| 2034 | 4.70 | 8.10 |
| 2035 | 4.79 | 8.42 |
| 2036 | 4.94 | 8.59 |
| 2037 | 5.12 | 8.78 |
| 2038 | 5.28 | 8.96 |
| 2039 | 5.48 | 9.21 |
| 2040 | 5.67 | 9.40 |
| 2041 | 5.88 | 9.65 |
| 2042 | 6.17 | 10.06 |
| 2043 | 6.50 | 10.55 |
| 2044 | 6.78 | 10.90 |
| 2045 | 7.09 | 11.30 |
| 2046 | 7.42 | 11.70 |
| 2047 | 7.84 | 12.28 |

TAMPA ELECTRIC COMPANY DOCKET NO. 2017 -EI EXHIBIT NO. (RJR-1) DOCUMENT NO. 3 PAGE 1 OF 1 FILED: 12/14/2017

Revenue Requirements for First SoBRA

145 MW of Solar (Tranche 1)

| (\$000) | 2018 |
|-------------|--------|
| Balm Solar | 11,201 |
| Payne Creek | 11,237 |
| Capital RR | 22,438 |
| Balm Solar | 533 |
| Payne Creek | 503 |
| FOM | 1,036 |
| Land RR | 2,593 |
| TOTAL RR | 26,067 |

Revenue Requirements for First SOBRA

With Sharing Mechanism

145 MW of Solar (Tranche 1) with 75%/25% Incentive

| (\$000) | 2018 |
|-------------|--------|
| Balm Solar | 11,420 |
| Payne Creek | 11,444 |
| Capital RR | 22,864 |
| Balm Solar | 533 |
| Payne Creek | 503 |
| FOM | 1,036 |
| Land RR | 2,593 |
| TOTAL RR | 26,493 |

TAMPA ELECTRIC COMPANY DOCKET NO. 2017 -EI EXHIBIT NO. (RJR-1) DOCUMENT NO. 4 PAGE 1 OF 1 FILED: 12/14/2017

Cost-Effectiveness Test for First SoBRA

| Delta CPVRR (2017 \$000) | Cost/(Savings) (\$ millions) |
|--|---------------------------------|
| | |
| Capital RR - Other New Units | (\$138.1) |
| Capital RR - Solar New Arrays (w/Interconnect) | \$167.9 |
| RR of Land for Solar | \$31.2 |
| System VOM | (\$10.1) |
| FOM - Other Future Units | (\$5.2) |
| FOM - Solar Future Arrays | \$15.8 |
| System Fuel | (\$205.3) |
| Sub Total w/o NO _x or CO ₂ Cost | (\$143.9) |
| Plus Emissions (NO _x and CO ₂) Cost/(Savings) | (\$12.0) |
| Total w/ NO _x & CO ₂ Cost | (\$155.9) |



BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 2017 -EI IN RE: PETITION BY TAMPA ELECTRIC FOR A LIMITED PROCEEDING TO APPROVE FIRST SOBRA EFFECTIVE SEPTEMBER 1, 2018

PREPARED DIRECT TESTIMONY AND EXHIBIT OF WILLIAM R. ASHBURN

TAMPA ELECTRIC COMPANY DOCKET NO. 2017_____ EI FILED: 12/14/2017

| | BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION |
|----|--|
| | PREPARED DIRECT TESTIMONY |
| | OF |
| | WILLIAM R. ASHBURN |
| | |
| Q. | Please state your name, address, occupation and employer. |
| | |
| Α. | 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 |
| | Q. A. Q. |

| | 1 | |
|----|----|---|
| 1 | | of service studies, rate filings, rate design, |
| 2 | | implementation of new conservation and marketing |
| 3 | | programs, customer surveys and various state and federal |
| 4 | | regulatory filings. In March 2001, I was promoted to |
| 5 | | my current position of Director, Pricing and Financial |
| 6 | | Analysis in Tampa Electric's Regulatory Affairs |
| 7 | | Department. I am a member of the Rate and Regulatory |
| 8 | | Affairs Committee of the Edison Electric Institute |
| 9 | | ("EEI"). |
| 10 | | |
| 11 | Q. | Have you previously testified before the Commission? |
| 12 | | |
| 13 | Α. | Yes. I have testified or filed testimony before this |
| 14 | | Commission in several dockets. Most recently I testified |
| 15 | | for Tampa Electric in Docket No. 20170210-EI as a member |
| 16 | | of a panel of witnesses during the November 6, 2017 hearing |
| 17 | | on the 2017 Amended and Restated Stipulation and Settlement |
| 18 | | Agreement ("2017 Agreement"). I also testified on behalf |
| 19 | | of Tampa Electric in Docket No. 20130040-EI regarding the |
| 20 | | company's Petition for an Increase in Base Rates and |
| 21 | | Miscellaneous Service Charges and in Docket No. 20080317- |
| 22 | | EI which was Tampa Electric's previous base rate |
| 23 | | proceeding. I testified in Docket No. 20020898-EI |
| 24 | | regarding a self-service wheeling experiment and in Docket |
| 25 | | No. 20000061-EI regarding the company's |
| | 1 | |

| 1 | | Commercial/Industrial Service Rider. In Docket Nos. |
|----|----|--|
| 2 | | 20000824-EI, 20001148-EI, 20010577-EI and 20020898-EI, I |
| 3 | | testified at different times for Tampa Electric and as a |
| 4 | | joint witness representing Tampa Electric, Florida Power |
| 5 | | & Light Company ("FP&L") and Progress Energy Florida, Inc. |
| 6 | | ("PEF") regarding rate and cost support matters related |
| 7 | | to the GridFlorida proposals. In addition, I represented |
| 8 | | Tampa Electric numerous times at workshops and in other |
| 9 | | proceedings regarding rate, cost of service and related |
| 10 | | matters. I have also provided testimony and represented |
| 11 | | Tampa Electric before the Federal Energy Regulatory |
| 12 | | Commission ("FERC") in rate and cost of service matters. |
| 13 | | |
| 14 | Q. | What is the purpose of your prepared direct testimony? |
| 15 | | |
| 16 | А. | The purpose of my prepared direct testimony is to: (1) |
| 17 | | describe the provisions in the 2017 Agreement recently |
| 18 | | approved by the Commission that govern the cost of service |
| 19 | | and rate design for a Solar Base Rate Adjustment ("SoBRA") |
| 20 | | and (2) sponsor and explain the proposed rates and tariffs |
| 21 | | for the company's First SoBRA, effective September 1, |
| 22 | | 2018. |
| 23 | | |
| 24 | Q. | Have you prepared an exhibit to support your direct |
| 25 | | testimony? |
| | | |

| 1 | Α. | Yes, Exhibit No (WRA-1) was prepared under my |
|----|----|--|
| 2 | | direction and supervision. It consists of the |
| 3 | | following six documents: |
| 4 | | |
| 5 | | Document No. 1 Development of First SoBRA Base |
| 6 | | Revenue Increase by Rate Class |
| 7 | | Document No. 2 Base Revenue by Rate Schedule |
| 8 | | Document No. 3 Rollup Base Revenue by Rate Class |
| 9 | | Document No. 4 Typical Bills Reflecting First SoBRA |
| 10 | | Base Revenue Increase |
| 11 | | Document No. 5 Redlined Tariffs Reflecting First |
| 12 | | SoBRA Base Revenue Increase |
| 13 | | Document No. 6 Clean Tariffs Reflecting First SoBRA |
| 14 | | Base Revenue Increase |
| 15 | | |
| 16 | Q. | How does your direct testimony relate to the direct |
| 17 | | testimony of Tampa Electric witnesses Mark D. Ward and R. |
| 18 | | James Rocha, filed concurrently in this docket? |
| 19 | | |
| 20 | А. | Tampa Electric witness Mark D. Ward's direct testimony |
| 21 | | describes the two projects (Payne Creek Solar and Balm |
| 22 | | Solar) for which cost recovery is requested via the |
| 23 | | company's First SoBRA as well as their projected in- |
| 24 | | service dates and installed cost per kilowatt alternating |
| 25 | | current ("KW _{ac} "). Tampa Electric witness R. James Rocha's |
| | l | |

| | 1 | |
|----|------|---|
| 1 | | direct testimony presents the annual revenue requirement |
| 2 | | for the company's First SoBRA using the projected |
| 3 | | installed project costs presented in witness Ward's |
| 4 | | direct testimony. I use the annual revenue requirement |
| 5 | | from witness Rocha's direct testimony to develop the |
| 6 | | proposed base rate adjustment for the First SoBRA. |
| 7 | | |
| 8 | 2017 | Agreement Guidance for SoBRA |
| 9 | Q. | Please describe how the 2017 Agreement calls for the SoBRA |
| 10 | | revenue requirements to be allocated to rate classes. |
| 11 | | |
| 12 | А. | The 2017 Agreement directs that the SoBRA revenue |
| 13 | | requirements be allocated to rate classes using the 12 |
| 14 | | Coincident Peak ("CP") and $1/13^{\text{th}}$ Average Demand ("AD") |
| 15 | | method of allocating production plant and be applied to |
| 16 | | existing base rates, charges and credits as described by |
| 17 | | the following two principles: |
| 18 | | |
| 19 | | 1. Only 40 percent of the revenue requirement that would |
| 20 | | otherwise be allocated to the lighting rate class |
| 21 | | under the 12 CP and $1/13^{th}$ AD methodology shall be |
| 22 | | allocated to the lighting class through an increase |
| 23 | | to the lighting base energy rate, and the remaining |
| 24 | | 60 percent shall be allocated ratably to the other |
| 25 | | classes. |
| | | |

| 1 | | | |
|----|----|------|---|
| 1 | | 2. | The 12 CP and $1/13^{\text{th}}$ AD allocation factor used to |
| 2 | | | derive the revenue requirement allocation shall be |
| 3 | | | based on factors used in Tampa Electric's then most |
| 4 | | | current energy conservation cost recovery ("ECCR") |
| 5 | | | clause filings with the Commission. |
| 6 | | | |
| 7 | Q. | Once | the revenue requirement has been allocated to rate |
| 8 | | clas | ses, how will the SoBRA rates to recover each class's |
| 9 | | reve | nue requirement be designed? |
| 10 | | | |
| 11 | Α. | The | 2017 Agreement requires the following three |
| 12 | | prin | ciples be employed when designing the base rate |
| 13 | | adju | stments for SoBRA: |
| 14 | | | |
| 15 | | 1. | The revenue requirement associated with SoBRA will |
| 16 | | | be used to increase demand charges for rate schedules |
| 17 | | | with demand charges and energy charges for rate |
| 18 | | | schedules without demand charges. |
| 19 | | | |
| 20 | | 2. | Within the GSD and IS rate classes, the allocated |
| 21 | | | SoBRA revenue requirement will be applied to non- |
| 22 | | | standby demand charges only. |
| 23 | | | |
| 24 | | 3. | The billing determinants used to derive the base rate |
| 25 | | | adjustments shall be based on factors and |
| | | | |

б

determinants used in Tampa Electric's then most 1 current ECCR clause filings with the Commission. 2 3 Do you provide an exhibit that shows the results of Q. 4 5 applying the allocation methodology called for in the 2017 Agreement? 6 7 Α. Yes. Document No. 1 of my exhibit was prepared for that 8 purpose. That document, titled "Development of SoBRA Base 9 Revenue Increases by Rate Class," shows how the revenue 10 requirement increase described in witness Rocha's direct 11 testimony was allocated across the rate classes. First, 12 the 12 CP and 1/13th AD allocation factor utilized to set 13 14 2018 ECCR clause rates was used to allocate the total revenue requirement increase to all rate classes. Then, 15 the part that was allocated to the Lighting class was 16 split 60/40, with 40 percent recovered from the Lighting 17 class and the remaining 60 percent reallocated to the 18 other rate classes using the same 12 CP and 1/13th AD 19 20 allocation factor (less the lighting portion). Ιt is important to recognize that the revenue requirement 21 utilized is an annual revenue requirement for the First 22 23 SoBRA, even though the First SoBRA will not begin until Using the annual revenue requirement, September 2018. 24 12-month total billing 25 then utilizing determinants

(energy and demand) as the divisor, results in appropriate 1 rates for use in the four remaining months of 2018 during 2 3 which these rates will be applied to bills. 4 5 Q. Does the 2017 Agreement provide for a true-up mechanism to be applied to SoBRA rates? 6 7 Yes. The 2017 Agreement provides that each SoBRA tranche 8 Α. will be subject to a true-up for the actual cost of the 9 Once the difference between approved project. the 10 11 estimated and actual costs is known, the true-up amount will be included in the Capacity Cost Recovery Clause 12 rates, with interest applied. In this docket applying to 13 14 the first tranche, there is no true-up to calculate. 15 Proposed Rates and Tariffs for SoBRA 16 Having completed the allocation of the first SoBRA revenue ο. 17 requirement to rate classes, what is the next step to 18 derive the base rate adjustment? 19 20 Using the methodology called for in the 2017 Agreement 21 Α. described above, certain rates in each rate class were 22 23 increased to recover the identified revenue requirement. 24 Do you have exhibits that show the results of that base 25 Q.

rate adjustment design? 1 2 3 Α. Yes. Document No. 2 of my exhibit was prepared for that It uses the E-13c MFR schedule to show the rate purpose. 4 5 changes proposed to recover the SoBRA class revenue requirements by rate and rate schedule. Document No. 3 6 of my exhibit rolls up the rate schedule amounts to rate 7 class using the E-13a MFR schedule, which then can be 8 compared to Document No. 1 of my exhibit to show how close 9 the rate design comes to collecting the allocated revenue 10 Finally, Document No. 4 of my exhibit 11 requirements. utilizes the A-2 MFR schedule to show the impact of the 12 SoBRA increase on typical RS, GS, GSD and IS bills. This 13 14 presentation shows only the SoBRA impact since the fuel benefit and impact of the increased CCV and standby 15 16 generator credits are already included in the present bill calculation through the 2018 Fuel and Conservation Clause 17 rates utilized. 18 19 20 Q. Please explain the fuel impact of the First SoBRA and how that affects rates in 2018. 21 22 23 Α. The first tranche of solar generation that will begin service September 1, 2018 is expected to provide fuel 24 25 savings of approximately \$3.3 million during the

| 1 | | remainder of 2018. Those expected fuel savings were |
|----|------|--|
| 2 | | included in the 2018 annual fuel cost recovery factors |
| 3 | | approved by the Commission on October 25, 2017, so the |
| 4 | | approved fuel factors utilized in the bill comparisons |
| 5 | | are already lower, for the entire year, as a result of |
| 6 | | the first tranche of SoBRA solar generation in the 2017 |
| 7 | | Agreement. The savings represent a \$0.17 reduction on the |
| 8 | | 2018 residential customer 1,000 kWh monthly bill. |
| 9 | | |
| 10 | Q. | Do you have an exhibit that shows the redlined changes to |
| 11 | | tariff sheets affected by implementation of the First |
| 12 | | SoBRA? |
| 13 | | |
| 14 | A. | Yes. Document No. 5 of my exhibit was prepared for that |
| 15 | | purpose. |
| 16 | | |
| 17 | Q. | Do you have an exhibit that shows the clean tariff sheets |
| 18 | | affected by implementation of the First SoBRA? |
| 19 | | |
| 20 | А. | Yes. Document No. 6 of my exhibit was prepared for that |
| 21 | | purpose. |
| 22 | | |
| 23 | Summ | ary |
| 24 | Q. | Please summarize your direct testimony. |
| 25 | | |
| | | |

| 1 | А. | I have performed the cost of service and rate design |
|----|----|--|
| 2 | | components of the First SoBRA in accordance with the |
| 3 | | provisions of the 2017 Agreement. I have also performed |
| 4 | | rate class allocations and determined the appropriate |
| 5 | | base rate increases by rate class needed to recover the |
| 6 | | First SoBRA revenue requirement. The proposed fuel |
| 7 | | savings and residential customer bill impacts are as shown |
| 8 | | in my direct testimony. The modified tariff sheets that |
| 9 | | accompany my direct testimony properly implement the |
| 10 | | First SoBRA rate adjustments and should be approved by |
| 11 | | the Commission. |
| 12 | | |
| 13 | Q. | Does this conclude your direct testimony? |
| 14 | | |
| 15 | А. | Yes, it does. |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |
| 21 | | |
| 22 | | |
| 23 | | |
| 24 | | |
| 25 | | |

| TAMPA | ELECI | RIC | COMPA | NY |
|--------|-------|------|-------|--------|
| DOCKET | NO. | 2017 | | EI |
| EXHIBI | r No. | | (| WRA-1) |

EXHIBIT

OF

WILLIAM R. ASHBURN

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT No. _____ (WRA-1)

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) DOCUMENT NO. 1

Development of First

SoBRA Base Revenue Increase

by Rate Class

| | | | | ING JANUA | UBKA BA ARY 1, 20 ⁻ | SE KE/ 18 RAT (\$00 | VENUE INCRI ES ADJUSTE 0) | EASE BY KH ED FOR SoB | RA RA | 400 | | | |
|----------------------------|----|---|---------------------------------|-------------------|-----------------------------------|---------------------------|---------------------------------|--------------------------|------------|--------------|----------------------|----------------|-------------------------|
| | | 150 MW SoBKA I ranche #1 12CP &1/13 - All Demand | А) | (| (B) | _ | (C) | (D) | | (E) | (F) | | (C) |
| - | | | Adjus Reve | sted | Present Base | ć | Base Rev Deficier | venue ncy | Prop | osed Base | Rev. Increase | Ĕ | 2017 argeted Base |
| LINe | | kale class | Kequire | ment(1) | Kevenue(| (7) | \$ (A) - (B) | % (C) / (B) | | <u>م</u> | % (E) / (B) | | evenue 3) + (E) |
| - c | I. | Residential (RS,RSVP) | ⇔ | 662,231 | \$ 647,4 | 155 | \$ 14,776 | 2.28% | | | | | |
| v w 4 ro | П. | General Service Non-Demand (GS,CS) | | 70,400 | 69'C | 710 | 1,383 | 2.00% | | | | | |
| 6 7 8 | | Sub-Total: I, + II. | ÷ | 732,631 | \$ 716,4 | 172 | \$ 16,159 | 2.26% | ÷ | 16,159 | 2.26% | ↔ | 732,631 |
| 9 11 10 11 10 | Ш. | General Service Demand (GSD, SBF) | | 362,458 | 352,9 | 952 | 9,506 | 2.69% | \$ | 9,506 | 2.69% | | 362,458 |
| 12 15 | N. | Interruptible Service (IS/SBI) | | 35,074 | 34,2 | 275 | 667 | 2.33% | Ś | 799 | 2.33% | | 35,074 |
| 16 19 20 21 22 | > | Lighting (LS-1) A Energy B Facilities | ÷ | 5,238 43,545 | 5,2 43,5 | 208 545 | . 30 | 0.57% 0.00% | \$\$ \$\$ | 30 | 0.57% 0.00% | ω ω | 5,238 43,545 |
| 23 24 25 | | Total | ÷ | 1,178,945 | \$ 1,152,4 | 152 | \$ 26,493 | 2.30% | ŝ | 26,493 | 2.30% | φ | 1,178,945 |
| 26 26 77 | | | | | \$ 26,4 | 193 | | | | | | | |
| 28 | | The Adjusted Revenue Require allocation to lighting service of SoBR | ment column refl A increase. | ects an increase | e of \$26.493 r | nillion anr | ual SoBRA revenu | ues based on eac | h class' p | ercentage of | 12 CP & 1/13th alloc | ator plus | an 40% |
| 29 | | (2) Present base revenue is calcula | ted using base r | ates in effect on | January 16, 3 | 2017. | | | | | | | |

DEVELOPMENT OF SORDA PASE BEVENILE INCREASE BY DATE CLASS TAMPA ELECTRIC COMPANY

15

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 1 PAGE 1 OF 2 FILED: 12/14/2017

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 1 PAGE 2 OF 2 FILED: 12/14/2017

| location spread over other classes 0.286% 60.00% 40.00% | Share Reallocation FINAL RR | % \$000 55.84% 14,776 | 5.22% 1,383 | 35.92% 9,506 | 3.02% 799 | 30 | 100% 26,493 |
|--|--------------------------------|--------------------------|-------------|--------------|-----------|---------|-------------|
| Lighting all 74 74 44 30 | Lighting S | \$000 25 | N | 16 | 4 | | 44 |
| | location FINAL RR | \$000 14,793 | 1,384 | 9,516 | 800 | | 26,493 |
| | Share Real | % 55.84% | 5.22% | 35.92% | 3.02% | | 100% |
| | Lighting | \$000 41 | 4 | 27 | 7 | | 74 |
| location | | % 55.6800% | 5.2100% | 35.8200% | 3.0100% | 0.2800% | 100.000% |
| 12 CP &1/13 AI 26493 | | \$000 14,751 | 1,380 | 9,490 | 197 | 74 | 26,493 |

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) DOCUMENT NO. 2

Base Revenue by Rate Schedule

| | | TAMPA ELECTRIC COMPAN DOCKET NO. 2017 EXHIBIT NO (WRA- WITNESS: ASHBURN DOCUMENT NO. 2 PAGE 1 OF 17 FILED: 12/14/2017 |
|--|---|---|
| Type of data shown: XX Projected Test year Ended 12/31/2018 | | Recap Schedules: E-13a |
| 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. | Rate Schedule RS, RSVP-1 CS, GST CS CSD, GSDT CSD, GSD CSD, GSDT CSD, GSD CSD, GSDT CSD, GSD CSD, GSDT CSD, GSD CSD, GSDT CSD, GSD CSD, GSD, GSD CSD, GSD CSD, GSD CSD, GSD CSD, GSD CSD, GSD, GSD CSD, GSD, GSD CSD, GSD, GSD, GSD, GSD, GSD, GSD, GSD, G | |
| EXPLANATION: | д 90 90 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 | |
| FLORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY | Line 5 2 3 3 2 2 4 4 5 5 4 4 5 5 5 4 5 5 5 5 5 5 5 5 | 24 25 26 27 28 30 31 33 33 35 36 Supporting Schedules: |

| | | | | | | | | | | | | | | | | | | | W D F F | | CN CU SE | ES ME 2 D: | S N 2 (| r OF 1 | N N 2, | AS D. L7 /1 | HE 2 4 / | 3U 2 7 2 | RN 01 | .7 | |
|---------------------------|---|--|---------------|---|--|---------------------------------|---|-----|------------------|-----------------------------------|-----------------------|--------------|---------------|----------|----|------------------------------|----|----|------------------|----|----------------|---------------------|---------------|--------------|--------------|----------------------|----------------|----------------|----------|-----------------------|--|
| Page 2 of 17 | Test year Ended 12/31/2018 | | | Percent Increase | | %0.0 | | | | | | | 2.9% | | | 2.3% | | | | | | | | | | | | | | shedules: E-13a | |
| | Type of data shown: XX Projectec | | | \$ Revenue | 133,532,160 | 900,704 134,432.864 | | | | 339.189.489 | 184,075,169 | 4,543,547 | 527,808,205 | | | 662,241,069 | | | | | | | | | | | | | | Recap S | |
| | If any customers are to be . Correction factors are . Schedule E-13a. The billing | HEDULE (INCLUDING STANDARD | | Proposed Revenue Calculation Charge/Unit | Bills \$ 16.62 | Bills \$ 16.62 Bills | | | | MWH \$ 53.94 | MWH \$ 63.94 | MWH \$ 57.08 | MWH | | | | | | | | | | | | | | | | | | |
| EDULE - CALCULATIONS | d proposed rates for the test year. es separately for the transfer group e by class must equal that shown in | IILING KW FOR EACH RATE SCH SROUP . | RS.RSVP-1 | Units | 8,034,426 | 54,194 E 8.088.620 E | | | | 6.288.472 | 2,878,950 | 79,602 | 9,247,024 | | | | | | | | | | | | | | | | | | |
| BASE REVENUE BY RATE SCHE | iculate revenues under present and schedule to another, show revenu years only. The total base revenue se servum in Schedula E-16. | JUBER OF BILLS, MWH'S, AND B USTOMERS) AND TRANSFER G | Rate Schedule | n \$ Revenue | 133,532,160 | 900,704 134,432,864 | | | | 327.000.544 | 181,604,166 | 4,417,115 | 513,021,825 | | | 647,454,689 | | | | | | | | | | | | | | | |
| | By rate schedule, cal transferred from one used for historic test ; units must equal three | PROVIDE TOTAL NU AND TIME OF USE C | | esent Revenue Calculatior Charge/Unit | \$ 16.62 | \$ 16.62 | | | | \$ 52.00 | \$ 63.08 | \$ 55.49 | | | | | | | | | | | | | | | | | | | |
| | EXPLANATION: | | | Pre Units | 8,034,426 Bills | 54,194 Bills 8.088.620 Bills | | | | 6.288.472 MWH | 2,878,950 MWH | 79,602 MWH | 9,247,024 MWH | | | | | | | | | | | | | | | | | | |
| SCHEDULE E-13c | FLORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY | DOCKET No. 130040-EI | | Line Typeof No. Charges | 1 2 Basic Service Charge: 3 Standard | 4 RSVP-1 5 Total | 0 | ~ 8 | 9 Energy Charge: | 10 Standard 11 First 1.000 kWh | 12 All additional kWh | 13 RSVP-1 | 14 Total | - 0. | 17 | 18 Total Base Revenue: 19 | 20 | 21 | 22 | 24 | 25 | 26 | 2/ 28 | 29 | 30 | 37 32 | 33 | 34 | 35 | Supporting Schedules: | |

TAMPA ELECTRIC COMPANY DOCKET NO. 2017___-EI EXHIBIT NO. ____ (WRA-1)

| | | | | | | | | | | | | | | | | | | | | | | | WJ DC PZ FJ | G G | NE UN E EI | ES 1E 3): | S: N] (| : C :)F 1 | ہ NC 1 2 / | AS). L7 /1 | ні 2 4, | 3U 2 / 2 | R | N 17 | , |
|------------------------------|--|--|------------------------|---|------------------------------|--------------------|----------------------|--------------|--------------------------------------|---|------------------|---------------------|------------------------|-----------------|-------------------------------|----|----------------------------|-------------|----------|-----------|----|----|------------------------|--------|---------------------|---------------------|---------------|---------------------|---------------------|----------------------|---------------|----------------|----|-----------------------|---|
| Page 3 of 17 | cted Test year Ended 12/31/2018 | | | Increase | | | | | 0.0% | | | | | | 2.6% | | | | | 0.0% | | | 2.0% | | | | | | | | | | | p Schedules: E-13a | |
| | Type of data shown: XX Proje | | | \$ Revenue | | 15,365,943 | 19,346 | 637,100 | 479 16.022.868 | | | 51,240,233 | 28C,U8 005 285 1 | 1,307,520 | 427,069 53,135,205 | | | 3,357 | | 3,357 | | | 69,161,429 | | | | | | | | | | | Reca | |
| | stomers are to be tion factors are le E-13a. The billing | (INCLUDING STANDARD | | osed Revenue Calculation Charge/Unit | | \$ 19.94 | \$ 16.62 | \$ 22.16 | \$ 19.94 | | | \$ 56.91 © 50.01 | \$ 00.91 \$ 146.33 | 0.00- 140.00 | \$ 15.45 | | | \$ 1.67 | \$ 1.67 | | | | | | | | | | | | | | | | |
| - CALCULATIONS | ssed rates for the test year. If any cus arately for the transfer group. Correc iss must equal that shown in Schedul | KW FOR EACH RATE SCHEDULE | P COL | Units | | 770,609 Bills | 1,164 Bills | 28,750 Bills | 24 Bills 800.547 Bills | | 0000000 | 900,400 MWH | 1,416 MWH 0.646 MMH | | 27,642 MWH 939,004 MWH | | | 2,010 MWH | HWM - | 2,010 MWH | | | | | | | | | | | | | | | |
| ASE REVENUE BY RATE SCHEDULE | late revenues under present and propc hedule to another, show revenues sep ars only. The total base revenue by cla | shown in Schedule E-15. IBER OF BILLS, MWH's, AND BILLING ISTOMERS) AND TRANSFER GROUF | Rate Schedule <u>G</u> | \$ Revenue | | 15,365,943 | 19,346 | 637,100 | 479 16.022.868 | | | 49,963,196 | 4/C,8/ 9/8 0/4 1 | 1,449,040 | 284,713 51.776.329 | | | 3,357 | | 3,357 | | | 67,802,553 | | | | | | | | | | | | |
| B | By rate schedule, calcu transferred from one sc used for historic test ve. | units must equal those PROVIDE TOTAL NUM AND TIME OF USE CU | | ent revenue calculation Charge/Unit | | \$ 19.94 | \$ 16.62 | \$ 22.16 | \$ 19.94 | | i i i | \$ 55.49 | \$ 55.49 \$ | 00.101 @ | \$ 10.30 | | | \$ 1.67 | \$ 1.67 | | | | | | | | | | | | | | | | |
| | EXPLANATION: | | | Units | | 770,609 Bills | 1,164 Bills | 28,750 Bills | 24 Bills 800,547 Bills | | | 900,400 MWH | 1,416 MWH 9.546 MWH | 11000 040,8 | 27,642 MWH 939.004 MWH | | | 2,010 MWH | HWM - | 2,010 MWH | | | | | | | | | | | | | | | |
| SCHEDULE E-13c | FLORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY | DOCKET No. 130040-EI | F | Line Type of No. Charges | 1 2 Basic Service Charge: | 3 Standard Metered | 4 Standard Unmetered | 5 T-O-D | 6 T-O-D (Meter CIAC paid) 7 Total | ω | 9 Energy Charge: | 10 Standard | 11 Standard Unmetered | | 13 I-O-D Off-Peak 14 Total | 15 | 16 Emergency Relay Charge: | 17 Standard | 18 T-O-D | 19 Total | 20 | 22 | 23 Total Base Revenue: | 24 | 25 | 27 | 28 | 29 | 30 | 31 32 | 33 | 34 | 35 | Supporting Schedules: | |

DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1)

TAMPA ELECTRIC COMPANY

| | A PUBLIC SERVICE COMMISSION EXPLANA VY: TAMPA ELECTRIC COMPANY FNo. 130040-EI e of Units arges Units | vTION: By rate schedule, calculate transferred from one sched used for historic test years unlist must equal those sto PROVIDE TOTAL NUMBE AND TIME OF USE CUST AND TIME OF USE CUST | I revenues under present and propo dule to another, show revenues sept only. The total base revenue by cla own in Schedule E-15. | osed rates for the test year. If any customers are to be arately for the transfer group. Correction factors are ass must equal that shown in Schedule E-13a. The billing | Type of data shown: XX Projected Test year | inded 12/31/2018 |
|--|--|--|---|--|---|------------------|
| The total Terminal contract containing The total France | ET No. 130040-EI Iype of Units Starges Sasic Service Charge: | units must equal those sho PROVIDE TOTAL NUMBE AND TIME OF USE CUST | wm in Schedule E-15. ER OF BILLS, MWH's, AND BILLING | | | |
| But Shouts East Shouts Control Control Dipped | Type of Units Units Basic Service Charges | | OMERS) AND TRANSFER GROUP | SKW FOR EACH KATE SCHEDULE (INCLUDING STANDARU) | | |
| Topolo Image Image Image Burdow Image Image Image Image Image Image Image Im | Type of Units Charges Basic Service Charge: | | Rate Schedule (| S | | |
| Display Unit Dargetin Include Departing Include Endance Include Include <t< td=""><td>Charges Units Basic Service Charge:</td><td>Present Revenue Calculation</td><td></td><td>Proposed Revenue Calculation</td><td></td><td>Percent</td></t<> | Charges Units Basic Service Charge: | Present Revenue Calculation | | Proposed Revenue Calculation | | Percent |
| To Z + 1 + 1 + 2 + 1 + 2 + 1 + 2 + 1 + 2 + 1 + 2 + 1 + 2 + 1 + 2 + 1 + 2 + 1 + 2 + 1 + 1 | Basic Service Charge: | Charge/Unit | \$ Revenue | Units Charge/Unit | \$ Revenue | Increase |
| Index 3000 Bin 2000 Bin 2000 Bin Englorence 3 04 3000 Bin 2000 Bin 2 | 3 | | | | | |
| Old 37.00 Bas 71.91 (1) 71.91 (1) 0.05 EntryChange: 0.00 MM 5 6.69 0.00 MM 2 65 0.02 MM EntryChange: 0.00 MM 5 6.69 0.00 MM 3 6.01 0.02 MM Call Base Reconse: 0.00 MM 5 6.64 0.00 MM 3 6.01 0.02 MM Call Base Reconse: 0.00 MM 5 6.64 0.00 MM 3 6.01 0.02 MM Call Base Reconse: 0.00 MM 5 6.64 0.00 MM 3 6.01 0.02 MM | 36,706 Bi | tills \$ 19.94 | 731,918 | 36,706 Bills \$ 19.94 | 731,918 | |
| Enry Change: | Total 36,706 Bi | sills | 731,918 | 36,706 Bills | 731,918 | %0.0 |
| Contraction Contraction <thcontraction< th=""> <thcontraction< th=""></thcontraction<></thcontraction<> | Dorati Ohoraco. | | | | | |
| Influence 0.70 MM 1.21.148 1.21.148 1.22.148 <th1< td=""><td></td><td>иwн s 55.49</td><td>482.929</td><td>8.703 MWH \$ 56.91</td><td>495.273</td><td></td></th1<> | | иwн s 55.49 | 482.929 | 8.703 MWH \$ 56.91 | 495.273 | |
| 121111 121111 100 121111 121111 100 < | otal 8,703 N | HMM | 482,929 | 8,703 MWH | 495,273 | 2.6% |
| 123 100 Blas Route 100 Blas Route <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | |
| 127.1 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 1.7 | | | | | | |
| | Total Base Revenue: | | 1,214,847 | | 1,227,191 | 1.0% |
| FILLED. IZ, II, Z, | | | | | | |
| Prince Prine Prince Prince | | | | | | |
| Principio 12/11/2/201 | | | | | | |
| Principy 12/11/201 Principy 12/11/201 | | | | | | |
| Primer, IX, IX, IX, IX, IX, IX, IX, IX, IX, IX | | | | | | |
| FILLED. LZ/JIZ/ZUI | | | | | | |
| FILLED. IZ/III/ZUI | | | | | | |
| FILLED. 12/11/2/01 | | | | | | |
| Interv. Interv. <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td></t<> | | | | | | |
| Bab. Fab. Fab. <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td></td<> | | | | | | |
| Bool Travitation Recap Scholuber Recap Scholuber | | | | | | |
| Debuduks. | | | | | | |
| Image: Schedules: E-13 Recap Schedules: E-13 | | | | | | |
| Transformation and the second schedules: E-13a | | | | | | |
| The state of the s | | | | | | |
| ing Schedules: | | | | | | |
| The Schedules: E-13a Recap Rec | | | | | | |
| The standales: | | | | | | |
| Tring Schedules: E-13a | | | | | | |
| Ting Schedules: E-13a Recap Schedules: E-13a | | | | | | |
| | rting Schedules: | | | | Recap Schedules: I | -13a |

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____(WRA-1) WITNESS: ASHBURN DOCUMENT NO. 2 PAGE 4 OF 17 FILED: 12/14/2017

| | | | | | | | | | | | | | | | | | | | | | | | | | DEWDPF | | CK HI CU GE LE | E B M M | T SS E1 5 : | N C S: VI C | 10 N 5 F 1 | • 0 1 1 2 | | 20 5H • 7 | 1 B 2 | 7_ UR 20 | (W N 17 | , R | ; | EI 1) | C) |
|-----------------------------|--|---|------------------|-------------------------|-------------|---|----------------------|------------------------------|---------------------|-------------------|---------------------------|---------------|------------------------|-------------------------|-----------------------|-------------------------------|------------------------------|----------------------------|------------------------------|-------------------------------|-----------------------------|-------------------------------|---------------|-------------------------|-------------------------|-----------------------|-------------------------------|------------------------------|----------------------------|------------------------------|---------------------------|-------------------------|---------------------------|--------------------|-------------|--|-----------------------|--------|---|----------|--------|
| Page 5 of 17 | J Test year Ended 12/31/2018 | | | Percent | Increase | | | | | | | 0.0% | | | | | | | | | | | 0.0% | | | | | | | | | | | 4.8% | | Continued on Page 6 | chedules: E-13a | | | | |
| | Type of data shown: XX Projecte | | | | \$ Revenue | 5 218 115 | 110,127 | | 455,720 | 111,047 | 32,905 | 5,927,914 | | 76,387,121 | 5,346,736 | | 17,583,051 | 8,896,429 | 20,711 | 17,499,185 | 8,712,064 | 21,105 | 134,466,401 | | 122.452.658 | 8,101,440 | | 14,068,025 | 7,126,576 | 22,063 | 26,669,270 | 13,398,501 | 42,250 | 191,880,783 | | | Recap S | | | | |
| | iers are to be factors are -13a. The billing | CLUDING STANDARD | | d Revenue Calculation | Charge/Unit | \$ 33.24 | \$ 144.03 | \$ 1,096.82 | \$ 33.24 | \$ 144.03 | \$ 1,096.82 | | | \$ 17.54 | \$ 17.54 | \$ 17.54 | \$ 32.11 | \$ 32.11 | \$ 32.11 | \$ 11.59 | \$ 11.59 | \$ 11.59 | | | \$ 10.74 | \$ 10.74 | \$ 10.74 | \$ 3.63 | \$ 3.63 | \$ 3.63 | \$ 7.12 | \$ 7.12 | \$ 7.12 | | | | | | | | |
| : - CALCULATIONS | sed rates for the test year. If any custom arately for the transfer group. Correction sss must equal that shown in Schedule E. | s kW FOR EACH RATE SCHEDULE (INC | SD. GSDT | Propose | Units | 156 983 Bills | 765 Bills | 0 Bills | 13,710 Bills | 771 Bills | 30 Bills | 172,259 | | 4,355,024 MWH | 304,831 MWH | HWM - | 547,588 MWH | 277,061 MWH | 645 MWH | 1,509,852 MWH | 751,688 MWH | 1,821 MWH | 7,748,510 MWH | | 11.401.551 kW | 754,324 kW | - kW | 3,875,489 kW | 1,963,244 kW | 6,078 kW | 3,745,684 kW (1) | 1,881,812 kW (1) | 5,934 kW (1) | 18,000,686 kW | | | | | | | |
| SE REVENUE BY RATE SCHEDULE | te revenues under present and propo edule to another, show revenues sep sonly. The total base revenue by cla | nown in Schedule E-15. LER OF BILLS, MWH's, AND BILLING (TOMERS) AND TRANSFER GROUP | Rate Schedule GS | | \$ Revenue | 5218115 | 110,127 | | 455,720 | 111,047 | 32,905 | 5,927,914 | | 76,387,121 | 5,346,736 | · | 17,583,051 | 8,896,429 | 20,711 | 17,499,185 | 8,712,064 | 21,105 | 134,466,401 | | 116.865.898 | 7.731.821 | | 13,409,192 | 6,792,824 | 21,030 | 25,433,194 | 12,777,503 | 40,292 | 183,071,755 | | | | | | | |
| BA | By rate schedule, calcula transferred from one sch used for historic test year | units must equal those si PROVIDE TOTAL NUMB AND TIME OF USE CUS | | ant Revenue Calculation | Charge/Unit | \$ 33.24 | \$ 144.03 | \$ 1,096.82 | \$ 33.24 | \$ 144.03 | \$ 1,096.82 | | | \$ 17.54 | \$ 17.54 | \$ 17.54 | \$ 32.11 | \$ 32.11 | \$ 32.11 | \$ 11.59 | \$ 11.59 | \$ 11.59 | | | \$ 10.25 | \$ 10.25 | \$ 10.25 | \$ 3.46 | \$ 3.46 | \$ 3.46 | \$ 6.79 | \$ 6.79 | \$ 6.79 | | | | | | | | |
| | EXPLANATION: | | | Prese | Units | 156 983 Bills | 765 Bills | - Bills | 13,710 Bills | 771 Bills | 30 Bills | 172,259 Bills | | 4,355,024 MWH | 304,831 MWH | HWM - | 547,588 MWH | 277,061 MWH | 645 MWH | 1,509,852 MWH | 751,688 MWH | 1,821 MWH | 7,748,510 MWH | | 11.401.551 kW | 754,324 kW | - kw | 3,875,489 kW | 1,963,244 kW | 6,078 kW | 3,745,684 kW (1) | 1,881,812 kW (1) | 5,934 kW (1) | 18,000,686 kW | | | | | | | |
| SCHEDULE E-13c | FLORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY | DOCKET No. 130040-EI | | Line Type of | No. Charges | 1 Basic Service Charge: 2 Standard - Secondary | 3 Standard - Primary | 4 Standard - Subtransmission | 5 T-O-D - Secondary | 6 T-O-D - Primary | 7 T-O-D - Subtransmission | 8 Total | a 10 Energy Charge: | 11 Standard - Secondary | 12 Standard - Primary | 13 Standard - Subtransmission | 14 T-O-D On-Peak - Secondary | 15 T-O-D On-Peak - Primary | 16 T-O-D On-Peak - Subtrans. | 17 T-O-D Off-Peak - Secondary | 18 T-O-D Off-Peak - Primary | 19 T-O-D Off-Peak - Subtrans. | 20 Total | 21 22 Demand Charge: | 23 Standard - Secondarv | 24 Standard - Primary | 25 Standard - Subtransmission | 26 T-O-D Billing - Secondary | 27 T-O-D Billing - Primary | 28 T-O-D Billing - Subtrans. | 29 T-O-D Peak - Secondary | 30 T-O-D Peak - Primary | 31 T-O-D Peak - Subtrans. | 32 Total | 33 | 34 (1) Not included in Total.35 | Supporting Schedules: | | | | |

TAMPA ELECTRIC COMPANY

| | | | | | | | | | | | | | | | | | | | | | | | | W D P F | I 00 A0 I | ΓΝ CU GE LE | | 55 EN 5 : | T OI | N F L2 | A 10 1 | SF • 7 14 | IB 2 1/ | יש 2 | R] 0: | N 17 | |
|---------------------------------|---|--|----------------------|------------------------|-------------------------|---------------------------------|--------------------|------------------------------|-----------------|-------------------------|--------------|---------------------------------|-----------------------|---------------------|-------------------------------|--------------------|------------------|--------------------------|--------------|--------------------------------|----------------|-----------------------|---|--|--------------------|--------------------------|--------------|--------------------|---------|--------------|--------------|--------------------|---------------|---------|----------|-----------------------|--|
| Page 6 of 17 | aar Ended 12/31/2018 | | | Percent | | | | | | | 0.0% | | | | | | | | 0.0% | | | | | | | | %0.0 | | | | | | | | | s: E-13a | |
| | Type of data shown: XX Projected Test y | | | \$ Revenue | | | (527,573) | | (1,283,700) | (29,195) | (1,840,469) | | 287,895 | 118,570 | | 492,541 | 518,938 | | 1,417,944 | | 000 70 | 31,833 | 04,310 | 33 053 | 46 924 | 107 | 167,126 | | | | | | | | | Recap Schedule | |
| | iers are to be factors are ·13a. The billing | LUDING STANDARD | | d Revenue Calculation | | | \$ (0.83) | \$ (2.58) | \$ (0.83) | \$ (2.58) | | | \$ 0.66 | \$ 0.66 | \$ 0.66 | \$ 0.66 | \$ 0.66 | \$ 0.66 | | | сс с 4 | \$ 2.22 | 77.7 ¢ | ې ۲.22 ع | \$ 2.22 \$ | \$ 2.22 | | | | | | | | | | | |
| ALCULATIONS | rates for the test year. If any custom sly for the transfer group. Correction nust equal that shown in Schedule E. | FOR EACH RATE SCHEDULE (INC | SDT | Propose | 3 | | 635,630 kW | - kw | 1,546,627 kW | 11,316 kW | 2,193,573 kW | | 436.205 kW | 179,652 kW | - kw | 746,274 kW | 786,269 kW | - kw | 2,148,400 kW | | | 14,339 MVAKh | 24,404 MVAKN | 15 204 MVARH | 21 137 MVARh | 48 MVARh | 75,282 MVARh | | | | | | | | | | |
| E REVENUE BY RATE SCHEDULE - CA | revenues under present and proposed tule to another, show revenues separate only. The total base revenue by class m units conduits E 16 | WITIT SCREAME E-15. R OF BILLS, MWH'S, AND BILLING KW OMERS) AND TRANSFER GROUP. | Rate Schedule GSD, C | 8 Revenue | | | (527,573) | | (1,283,700) | (29,195) | (1,840,469) | | 287,895 | 118,570 | | 492,541 | 518,938 | | 1,417,944 | | 000 70 | 31,833 | 04,310 | 33 053 | 46 924 | 107 | 167,126 | | | | | | | | | | |
| BASE | By rate schedule, calculate transferred from one sched used for historic test years | units must equal mose sho PROVIDE TOTAL NUMBE AND TIME OF USE CUST | | nt Revenue Calculation | | | \$ (0.83) | \$ (2.58) | \$ (0.83) | \$ (2.58) | | | \$ 0.66 | \$ 0.66 | \$ 0.66 | \$ 0.66 | \$ 0.66 | \$ 0.66 | | | сс с | \$ 2.22 | 77.7 ¢ | ې ۲.22 کې | \$ 2.22 \$ | \$ 2.22 | | | | | | | | | | | |
| | EXPLANATION: | | | Prese | | | 635,630 kW | - kW | 1,546,627 kW | 11,316 kW | 2,193,573 kW | | 436.205 kW | 179,652 kW | - kW | 746,274 kW | 786,269 kW | - kW | 2,148,400 kW | | 11 220 MAVA DE | 14,339 MVARh | 24,404 MVAKN | 15 20A MAVARA | 21 137 MVARh | 48 MVARh | 75,282 MVARh | | | | | | | | | | |
| SCHEDULE E-13c | FLORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY | DOCKET No. 130040-EI | | Line Type of | 1 Continued from Page 8 | 2 3 Dalivery Valtare Credit: | 4 Standard Primary | 5 Standard - Subtransmission | 6 T-O-D Primary | 7 T-O-D Subtransmission | 8 Total | 9 10 Emercency Relay Charge: | 11 Standard Secondary | 12 Standard Primary | 13 Standard - Subtransmission | 14 T-O-D Secondary | 15 T-O-D Primary | 16 T-O-D Subtransmission | 17 Total | 18 10 Douter Eactor Charge. | | 20 Standard Secondary | 21 Standard Primary 22 Standard Subtranomination | 22 Otalitaria - Otalianishinisholi 23 T-A-D Seconderv | 24 T-O-D Drimary | 25 T-O-D Subtransmission | 26 | 27 | 28 | 29 30 | 31 | 32 | 33 | 34 | 35 | Supporting Schedules: | |

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____ (WRA-1)

| | | | | | | | | | | | | | | | | | | | נ ע נ נ נ | | CK HI TN CU GE LE | EI BI ES ME 7 D: | ' I S N' | NO N : I OF 1 | 0 N(2) | 2 AS 2. 17 /1 | 0: HI | 17 3U 2 / 2 | RI 0 | (W N 17 | RA | -E | :I .) |
|----------------------------|--|---------------|------------------------|--|-----------------------------|----------------------|--------------------|---|-----------------|-------------------------|---------------|---------------------------------------|---------------------|-------------------------------|----------------------------|----------------------|----------|----|-----------------------|------------------------|----------------------------------|---------------------------------|----------------|------------------------------|---------------|---------------------------|----------|----------------------|---------|-----------------------|----|----|----------|
| Page 7 of 17 | jected Test year Ended 12/31/2018 | | Percent | Increase | | | | | | | 0.0% | | | | | 2.7% | | | | 2.7% | | | | | | | | | | cap Schedules: E-13a | | | |
| | Type of data shown. XX Pro KD | | tion | \$ Revenue | | (32,298) | (17,327) | - (135.552) | (78,552) | (2) | (263,732) | | (130,762) | | (373,372) | (1,341) (505,674) | | | | 331,250,294 | | | | | | | | | | Rec | | | |
| | stomers are to be ction factors are Jle E-13a. The billing (INCLUDING STANDAI | | posed Revenue Calculat | Charge/Unit | | \$ (1.11) | \$ (1.11) | \$ (1.1.1) \$ (1.11) | \$ (1.11) | \$ (1.11) | | | -1% | -2% | -1% | 0/ 7- | | | | | | | | | | | | | | | | | |
| DULE - CALCULATIONS | proposed rates for the test year. If any cu s esparately for the transfer group. Corre by class must equal that shown in Schedu LING kW FOR EACH RATE SCHEDULE XOUP. | GSD. GSDT | Pro | Units | | 29097 MVARh | 15610 MVARh | U MVARN 122119 MVARh | 70768 MVARh | 2 MVARh | 237,596 MVARh | | 13,076,156 \$ | 69 0 | 37,337,179 \$ | 50,490,373 \$ | | | | | | | | | | | | | | | | | |
| BASE REVENUE BY RATE SCHED | calculate revenues under present and one schedule to another, show revenues test years only. The total base revenue i those shown in Schedule E-15. L NUMBER OF BILLS, MWH's, AND BIL SE CUSTOMERS) AND TRANSFER GF | Rate Schedule | ation | \$ Revenue | | (32,298) | (17,327) | - (135.552) | (78,552) | (2) | (263,732) | | (127,065) | | (363,824) | (1,401) (492,371) | | | | 322,454,569 | | | | | | | | | | | | | |
| | By rate schedule, transferred from c used for historic t units must equal 1 PROVIDE TOTAL AND TIME OF US | | sent Revenue Calcula | Charge/Unit | | \$ (1.11) | \$ (1.11) | s (1.11) s (1.11) | \$ (1.11) | \$ (1.11) | | | -1% | -2% | -1% | 0/.7- | | | | | | | | | | | | | | | | | |
| | EXPLANATION: | | Pre | Units | | 29097 MVARh | 15610 MVARh | U MVARN 122119 MVARh | 70768 MVARh | 2 MVARh | 237,596 MVARh | | 12,706,537 \$ | 69 e | 36,382,429 \$ 74,047 \$ | 49,163,013 \$ | | | | | | | | | | | | | | | | | |
| SCHEDULE E-13c | FLORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY DOCKET No. 130040-EI | | Line Type of | No. Charges 1 Continued from Page 9 | 2 3 Power Factor Credit: | 4 Standard Secondary | 5 Standard Primary | o standard - subtransmission 7 T-O-D Secondary | 8 T-O-D Primary | 9 T-O-D Subtransmission | 10 | 12 13 Metering Voltage Adjustment: | 14 Standard Primary | 15 Standard - Subtransmission | 16 1-0-D Primary | 16 Total | 19 20 | 21 | 22 | 23 Total Base Revenue: | 25 | 26 27 | 28 | 29 | 30 | 31 | 32 | 34 | 35 | Supporting Schedules: | | | |

TAMPA ELECTRIC COMPANY

| | | | | | | | | | | | | | | | | | | | | | T2 D0 E2 W1 D0 P2 F1 | AME CCK KHI CTN CCU AGE CLE | E S D: CET IES IES IME E S ED: | E. T S N | NO NO I I I I | • • • • • • • • • • • • • • • • • • • | R1 20 SH • 7 14 | .C 17 IBU 2 | |) ME (WF N | -AN | ·EI ·1) |
|-----------------------------|--|---|---------------|--------------------------|-------------|---|----------------------|------------------------------|--------------|------------------|------------------------|----------------------------------|------|-------------------|-----------------------|----------------|-----------------------------|-----------------------|---|--------------------------|--|---|---|--|-------------------------------|---|--------------------------------|------------------------------|----|-----------------------|---------|------------|
| Page 8 of 17 | ded 12/31/2018 | | | Percent | Increase | | | | 0.0% | | | 2.5% | | | | 0.0% | | | 2.5% | | | 0.0% | | | | 2.5% | | 2.5% | | За | | |
| | ihown: CX Projected Test year En | | | I | | 0 | - | I | 0 | | 0 | <u>8</u> 8 | 1 | | I | I | | (6 | (6 | | 4 | 4 | I | 4) | | 4) | | 2 | 1 | Recap Schedules: E-1 | | |
| | Type of data s | | | | \$ Revenue | 631,66 | 41,48 | | 673,14 | | 24,824,03 | 25,533,56 | | | ' | | | (12,13 | - (12,13 | | 17,97 | - 17,97 | | (6.97 | | (6,97 | | 26,205,56 | | | | |
| | tomers are to be ion factors are e E-13a. The billing | INCLUDING STANDARD | | osed Revenue Calculation | Charge/Unit | \$ 33.24 | \$ 144.03 | \$ 1,096.82 | | | \$ 68.29 | \$ 68.29 | | G | ۰ ۱ | | | \$ (2.26) | (62.0 <u>3</u>) | | \$ 1.67 | \$ 1.67 | | -1% | -2% | | | | | | | |
| JLE - CALCULATIONS | oposed rates for the test year. If any cus separately for the transfer group. Correct class must equal that shown in Schedul | ING KW FOR EACH RATE SCHEDULE (JUP. | GSD Optional | Propo | Units | 19,003 Bills | 288 Bills | | 19,291 Bills | | 363,509 MWH | 373,899 MWH | | 3 657 763 kW | 157,490 kW | 3,815,253 | | 5,381 MWH | 5,381 MWH | | 10,763 MWH | - MWH 10,763 MWH | | 697.395 \$ | 69 | 697,395 \$ | | | | | | |
| BASE REVENUE BY RATE SCHEDU | Iculate revenues under present and pr schedule to another, show revenues s years only. The total base revenue by se shown in Schedule E-15. | UMBER OF BILLS, MWH's, AND BILLI CUSTOMERS) AND TRANSFER GRO | Rate Schedule | Ľ | \$ Revenue | 631,660 | 41,481 | | 673,140 | | 24,209,699 | 691,974 24,901,673 | | | | | | (11,838) | - (11,838) | | 17,974 | - 17,974 | | (6.801) | | (6,801) | | 25,574,148 | | | | |
| | By rate schedule, cal transferred from one used for historic test units must equal thos | PROVIDE TOTAL NI AND TIME OF USE (| | ent Revenue Calculation | Charge/Unit | \$ 33.24 | \$ 144.03 | \$ 1,096.82 | | | \$ 66.60 | \$ 66.60 | | G | ۰ ب | | | \$ (2.20) | \$ (0.72) | | \$ 1.67 | \$ 1.67 | | -1% | -2% | | | | | | | |
| | 4 EXPLANATION: | | | Pres | Units | 19,003 Bills | 288 Bills | | 19,291 Bills | | 363,509 MWH | 373,899 MWH | | 3.657.763 kW | 157,490 kW | 3,815,253 kW | | 5,381 MWH | 5,381 MWH | | 10,763 MWH | - MWH 10,763 MWH | | 680.136 \$ | 69 | 680,136 \$ | | | | | | |
| SCHEDULE E-13c | FLORIDA PUBLIC SERVICE COMMISSIO COMPANY: TAMPA ELECTRIC COMPANY | DOCKET No. 130040-EI | | Line Type of | No. Charges | 1 Basic Service Charge: 2 Optional - Secondary | 3 Optional - Primary | 4 Optional - Subtransmission | 5 Total 6 | 7 Energy Charge: | 8 Optional - Secondary | 9 Optional - Primary 10 Total | - 11 | 12 Demand Charge: | 14 Optional - Primary | 15 Total 16 | 17 Delivery Voltage Credit: | 18 Optional - Primary | 19 Optional - Subtransmission 20 Total | 21 22 Emergency Relay | 23 Optional - Secondary | 24 Optional - Primary 25 Total | 26 27 Metoring Voltago Adiustmont | metering voltage Aujustiment. 28 Optional - Primary | 29 Optional - Subtransmission | 30 Total 31 | 32 | 33 34 Total Base Revenue: | 35 | Supporting Schedules: | | |

25

| Page 9 of 17 | ted Test year Ended 12/31/2018 | | | Percent | Increase | 1 | | | | | | | 0.0% | | | | | | | | | | | | L E W L P F | | CK HI CU GE LE | | T S E 9 : | N F S: NT C | 0 N() F 12 | • A NC 1 2/ | 2 S 7 1 | 01 HE 2 4, | L7 30 2 / 2 | R] | (N 1 |
|----------------------------|--|--|-------------------------|------------------------|-------------|---------------------|---|--------------------|----------------------------|-------------------|-----------------|-------------------------|----------|------------|---|---------------------|-----------------------------|------------------------------|----------------------------|------------------------------|-------------------------------|-----------------------------|-------------------------------|-----------------------------|------------------------------|------------------------------|------------------------------|-----------------------------|-------------------------------|-------------------------|-------------------------|-------------------------|------------------|---------------------|----------------------|--------|-----------------------|
| | Type of data shown: XX Projec | | | | \$ Revenue | | | | | | 6,525 | 56,226 | 62,751 | | | | | | 901,007 | | | 975,496 | | | - 15 706 | 14.077 | | 54,182 | 48,566 | 2,009,034 | | | | | | | Recap |
| | hers are to be factors are -13a. The billing | CLUDING STANDARD | | d Revenue Calculation | Charge/Unit | | \$ 60.93 | \$ 171.72 | \$ 1,124.52 | \$ 60.93 | \$ 171.72 | \$ 1,124.52 | | | \$ 17.54 | \$ 17.54 | \$ 17.54 | \$ 32.11 | \$ 32.11 | \$ 32.11 | \$ 11.59 | \$ 11.59 | \$ 11.59 | 07 07 8 | 9 10.12 8 10.12 | \$ 10.12 | \$ 10.12 | \$ 10.12 | \$ 10.12 | | | | | | | | |
| E - CALCULATIONS | osed rates for the test year. If any custom parately for the transfer group. Correction ass must equal that shown in Schedule E. | 3 kW FOR EACH RATE SCHEDULE (IN | BF. SBFT | Propose | Units | | 0 Bills | 0 Bills | 0 Bills | 0 Bills | 38 Bills | 50 Bills | 88 Bills | | HWM - | HWM - | HWM - | HMM - | 28,060 MWH | HWM - | HWW - | 84,167 MWH | - MWH | | - HWW - | 1.391 MWH | HWM - | 5,354 MWH | 4,799 MWH | 125,323 MWH | | | | | | | |
| E REVENUE BY RATE SCHEDULE | e revenues under present and propc dule to another, show revenues sep s only. The total base revenue by cla | own in Schedule E-15. ER OF BILLS, MWH's, AND BILLING FOMERS) AND TRANSFER GROUF | Rate Schedule <u>SE</u> | | \$ Revenue | | | | | | 6,525 | 56,226 | 62,751 | | | | | , | 901,007 | | | 975,496 | | | | 14.077 | | 54,182 | 48,566 | 2,009,034 | | | | | | | |
| BAS | By rate schedule, calculati transferred from one sche used for historic test years | units must equal those sh PROVIDE TOTAL NUMBE AND TIME OF USE CUST | | it Revenue Calculation | Charge/Unit | | \$ 60.93 | \$ 171.72 | \$ 1,124.52 | \$ 60.93 | \$ 171.72 | \$ 1,124.52 | | | \$ 17.54 | \$ 17.54 | \$ 17.54 | \$ 32.11 | \$ 32.11 | \$ 32.11 | \$ 11.59 | \$ 11.59 | \$ 11.59 | e 57 | 9 10.12 8 10.12 | \$ 10.12 \$ | \$ 10.12 | \$ 10.12 | \$ 10.12 | | | | | | | | |
| | EXPLANATION: | | | Presen | Units | | 0 Bills | 0 Bills | 0 Bills | 0 Bills | 38 Bills | 50 Bills | 88 Bills | | HWM 0 | HWM 0 | 0 MWH | NWH 0 | 28,060 MWH | HMM - | 0 MWH | 84,167 MWH | HMM - | | - MWH | 1.391 MWH | - WWH | 5,354 MWH | 4,799 MWH | 125,323 MWH | | | | | | | |
| SCHEDULE E-13c | -LORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY | DOCKET No. 130040-EI | | Line Type of | No. Charges | 1 2 Bario Chamo: | Z basic service Charge: 3 Standard Secondary | 4 Standard Primary | 5 Standard Subtransmission | 6 T-O-D Secondary | 7 T-O-D Primary | 8 T-O-D Subtransmission | 9 Total | 10 11 T | Energy Charge - Supplemental: Standard Secondary | 13 Standard Primary | 14 Standard Subtransmission | 15 T-O-D On-Peak - Secondary | 16 T-O-D On-Peak - Primary | 17 T-O-D On-Peak - Subtrans. | 18 T-O-D Off-Peak - Secondary | 19 T-O-D Off-Peak - Primary | 20 T-O-D Off-Peak - Subtrans. | 21 Energy Charge - Standby: | 22 I-O-D OII-Feat -Seculuary | 24 T-O-D On-Peak - Subtrans. | 25 T-O-D Off-Peak -Secondary | 26 T-O-D Off-Peak - Primary | 27 T-O-D Off-Peak - Subtrans. | 28 Total | 29 | 30 21 | 32 | 33 | 34 | 35 | Supporting Schedules: |

| 8 | | ann Ise | | | | | | | | | | | | | | | | | | | | D | DC XH IT DC AG IL | KE IB NE UM E ED | | T S: NT 0 | NC N C C 1 |). 10 N)F .2 | • A: 0 | 20 SH 17 14 |)1 IB 2 7 1 / %··· | 7_ UR 20 | (w N 17 | /RA· |
|--|------------------------|---------------------------------------|--------------------------|--------------------------------------|----------------------|--------------------|----------------------------|-----------------------------|---------------------------|-----------------------------------|---------------------------|---|-----------------------------|--|--|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|---|------------|----------------------------------|--|-----------------------|---------------------|-----------------------------|---------------------------|------------------|--------------------------|-----------------------------------|-------------------------------------|------------------------|----------|
| e of data shown: XX Projected Test year Ended 12/31/201 | | evenue Increa | | | | | | | 688,818 | | | 1,301,108,1 | | | 267,615 | 514,678 | | 100,423 | 318,332 | | 228,519 208 744 | 3,628,287 | | | | | | 209 | 11,142 | 2,304 | 13,655 | Continued on Pa | Recap Schedules: E-13a | |
| re to be Type s are The billing ING STANDARD | ante Data | enue calculation ge/Unit \$ R | | | 10.74 | 10.74 | 10.74 | 3.63 | 3.63 | 3.63 | 7.12 | 7.12 | - | 2.15 | 2.15 | 2.15 | 1.71 kW-mo. | 1.71 kW-mo. | 1.71 kW-mo. | 0.66 KW-day | 0.68 kW-day 0.68 kW-day | | | | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | 2.22 | | | | |
| les for the test year. If any customers at for the transfer group. Correction factor st equal that shown in Schedule E-13a. ' R EACH RATE SCHEDULE (INCLUDI) | E | Units Char | | | - kw \$ | - kw \$ | - kw \$ | - kw \$ | 189,757 kW \$ | - KW | - KW (1) & | 182,/4/ KW (1) \$ | | - kw \$ | 124,472 kW \$ | 239,385 kW \$ | - kw (1) \$ | 58,727 kW (1) \$ | 186,159 kW (1) \$ | - KW (1) & | 306977 KW (1) \$ | 553,614 kW | | | - MVARh \$ | - MVARh \$ | - MVARh \$ | 94 MVARh \$ | 5,019 MVARh \$ | 1,038 MVARh \$ | 6,151 | | | |
| anues under present and proposed fak to another, show revenues separately if . The total base revenue by class must n Schedule E-15. E BLLS, MWH's, AND BILLING kW FC RS) AND TRANSFER GROUP. | Rate Schedule SBF. SBF | \$ Revenue | | | | · | | | 656,559 | | - 000 | 1,240,852 | | | 267,615 | 514,678 | | 100,423 | 318,332 | - 1 000 | 278 744 | 3,535,722 | | | | | | 209 | 11,142 | 2,304 | 13,655 | | | |
| By rate schedule, caroutate rev transferred from one schedule used for historic test years only units must equal those shown i PROVIDE TOTAL NUMBER OI AND TIME OF USE CUSTOME | t Davaatua Calaniaiaa | it Revenue Calculation Charge/Unit | | | \$ 10.25 | \$ 10.25 | \$ 10.25 | \$ 3.46 | \$ 3.46 | \$ 3.46 5 0.70 | \$ 6.79 | \$ 0./9 \$ 6.70 | > > | \$ 2.15 | \$ 2.15 | \$ 2.15 | \$ 1.71 / kW-mo. | \$ 1.71 / kW-mo. | \$ 1.71 / kW-mo. | | U.08 / KW-day A 0.68 / kW-day | | | | \$ 2.22 | \$ 2.22 | \$ 2.22 | \$ 2.22 | \$ 2.22 | \$ 2.22 | J | | | |
| EXPLANALION | | Units | | | - kw | - kW | - kW | - kW | 189,757 kW | - kw | - KW (1) | 182,747 KW (1) - kM (1) | | - kw | 124,472 kW | 239,385 kW | - kW (1) | 58,727 kW (1) | 186,159 kW (1) | - KW (1) | 336,057 KW (1) | 553,614 kW | | :Vdbvi | - MVARh | - MVARh | - MVARh | 94 MVARh | 5,019 MVARh | 1,038 MVARh | 6,151 | | | |
| -LORIDA PUBLIC SERVICE COMMISSION SOMPANY: TAMPA ELECTRIC COMPANY SOCKET No. 130040-EI | - Transie Transie | No. Charges | 1 Continued from Page 13 | 2 3 Demand Charge - Supplemental: | 4 Standard Secondary | 5 Standard Primary | 6 Standard Subtransmission | 7 T-O-D Billing - Secondary | 8 T-O-D Billing - Primary | 9 T-O-D billing - Subtransmission | 10 1-O-D Peak - Secondary | 11 I-O-D Peak - Primary 12 T-O-D Peak - Suthtransmission | 13 Demand Charge - Standby: | 14 T-O-D Facilities Reservation - Sec. | 15 T-O-D Facilities Reservation - Pri. | 16 T-O-D Facilities Reservation - Sub. | 17 T-O-D Power Supply Res Sec. | 18 T-O-D Power Supply Res Pri. | 19 T-O-D Power Supply Res Sub. | 20 I-O-D Power Supply Dma Sec. | 21 I-O-D Power Supply Dma Pri. 22 T-O-D Power Sunniv Dmd - Sub | 23 Total | 24 | 25 Power Factor Charge Supplemental & Sta | 27 Standard Secondary | 28 Standard Primary | 29 Standard Subtransmission | 30 T-O-D Secondary | 31 T-O-D Primary | 32 T-O-D Subtransmission | 33 | 34 (1) Not included in Total. 35 | Supporting Schedules: | |

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| SCHEDULE E-13c | | | B₽ | SE REVENUE BY RATE SCHEDULE - | - CALCULATIONS | | | | Page 11 of 17 | |
|---|--------------|-----------------|--|---|--|--------------------------|--------------------|---|---------------|---------------------|
| FLORIDA PUBLIC SERVICE COMMISSION | EXPLANATION: | By ra transf | te schedule, calcul: ferred from one sch | ate revenues under present and propos redule to another. show revenues sepal | sed rates for the test year. If any currately for the transfer group. Correc | stomers a ction facto | re to be rs are | Type of data shown: XX Proiected Test vear Ended | 12/31/2018 | |
| COMPANY: TAMPA ELECTRIC COMPANY | | nseq | for historic test yea | Irs only. The total base revenue by clas | ss must equal that shown in Schedu | le E-13a. | The billing | | | |
| DOCKET No. 130040-EI | | PRO AND | must equal those s vIDE TOTAL NUMI TIME OF USE CU: | inown in Schedule E-15. BER OF BILLS, MWH's, AND BILLING I STOMERS) AND TRANSFER GROUP. | kW FOR EACH RATE SCHEDULE | (INCLUD | ING STANDARD | | | |
| | | | | Rate Schedule <u>SB</u> | E, SBFT | | | | | |
| Line Type of | Pres | ent Rev | enue Calculation | | Prop | osed Rev | enue Calculation | | Percent | |
| No. Charges | Units | Cha | rge/Unit | \$ Revenue | Units | Chai | ge/Unit | \$ Revenue | Increase | |
| 1 Continued from Page 14 | | | | | | | | | | |
| 2 Power Factor Credit Supplemental & Standby | 2 | | | | | | | | | |
| 4 Standard Secondary | - MVARh | в | (1.11) | | - MVARh | ŝ | (1.11) | | | |
| 5 Standard Primary | - MVARh | Ś | (1.11) | · | - MVARh | ŝ | (1.11) | | | |
| 6 Standard Subtransmission | - MVARh | в | (1.11) | | - MVARh | ŝ | (1.11) | | | |
| 7 T-O-D Secondary | - MVARh | Ф | (1.11) | ı | - MVARh | ¢ | (1.11) | · | | |
| 8 T-O-D Primary | 2,108 MVARh | ŝ | (1.11) | (2,340) | 2,108 MVARh | в | (1.11) | (2,340) | | |
| 9 T-O-D Subtransmission | 680 MVARh | ¢ | (1.11) | (755) | 680 MVARh | φ | (1.11) | (755) | | |
| 14 Total | 2,788 MVARh | | | (3,095) | 2,788 MVARh | | | (3,095) | 0.0% | |
| 15 16 Daliven/Voltare Cradit - Sumlamental · | | | | | | | | | | |
| | | ¢ | 100 00 | | 1944 | ¢ | | | | |
| | - KVV | 0 (| (0.00) | | - KVV | e i | (co.u) | | | |
| 18 Standard Subtransmission | - kW | 69 | (2.58) | , | - kW | Ф | (2.58) | · | | |
| 19 T-O-D Primary | 189,757 kW | Ф | (0.83) | (157,498) | 189,757 kW | ŝ | (0.83) | (157,498) | | |
| 20 T-O-D Subtransmission | - kw | в | (2.58) | | - kw | ŝ | (2.58) | | | |
| 21 Delivery Voltage Credit Standby.: | | | | | | | | | | |
| 22 T-O-D Primary | 124,376 kW | θ | (0.69) | (85,819) | 124,376 kW | φ | (0.69) | (85,819) | | |
| 23 T-O-D Subtransmission | 239,481 kW | ŝ | (2.16) | (517,279) | 239,481 kW | Ф | (2.16) | (517,279) | | |
| 24 Total | 553,614 kW | | | (760,597) | 553,614 kW | | | (760,597) | 0.0% | |
| 25 | | | | | | | | | | |
| 26 Emergency Relay Charge - Supplemental and | d Standby. | | | | | | | | | |
| 27 Standard Secondary | - kw | 69 | 0.66 | , | - kW | Ф | 0.66 | | | W D P F |
| 28 Standard Primary | - kw | в | 0.66 | | - kw | ŝ | 0.66 | | | |
| 29 Standard Subtransmission | - kw | 69 | 0.66 | , | - kW | Ф | 0.66 | | | IN IU IE |
| 30 T-O-D Secondary | - kw | 69 | 0.66 | , | - kW | Ф | 0.66 | | | E M |
| 31 T-O-D Primary | 183,003 kW | 69 | 0.66 | 120,782 | 183,003 kW | ŝ | 0.66 | 120,782 | | S: E] 1: : |
| 32 T-O-D Subtransmission | - kW | ¢ | 0.66 | | - kW | ¢ | 0.66 | | | S : N] 1 |
| 33 | 183,003 | | | 120,782 | 183,003 | | | 120,782 | 0.0% | ; 7 0 1 |
| 34 | | | | | | | | | | N F 2 |
| 35 | | | | | | | | | | A: 0 |
| 36 | | | | | | | | | | SF • 17 14 |
| 37 | | | | | | | | | | IB 2 7 |
| 34 | | | | | | | | | | 2 |
| 35 | | | | | | | | | | R 0 |
| Supporting Schedules: | | | | | | | | Recap Schedules: E-13a | | N 1' |
| | | | | | | | | | | 7 |
| | | | | | | | | | | |
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DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1)

28
| COMPANY: TAMPA FLECTRIC COMPANY | | | | | | | |
|---|---------------------|---|--|--|---|---------------------|----------------------|
| | | transferred from one sc used for historic test ye | hedule to another, show revenues sel ars only. The total base revenue by cl | parately for the transfer group. Corr lass must equal that shown in Scheo | ection factors are Jule E-13a. The billing | XX Projected Test y | sar Ended 12/31/2018 |
| JOCKET No. 130040-EI | | units must equal those PROVIDE TOTAL NUM AND TIME OF USE CU | shown in Schedule E-15. BER OF BILLS, MWH's, AND BILLIN. STOMERS) AND TRANSFER GROUI | IG KW FOR EACH RATE SCHEDUL IP. | .E (INCLUDING STANDARD | | |
| | | | Rate Schedule S | ibf. SBFT | | | |
| Line Type of No. Charges | Pre Units | sent Revenue Calculation Charge/Unit | \$ Revenue | Р _и Units | oposed Revenue Calculation Charge/Unit | \$ Revenue | Percer Increas |
| 1 Continued from Page 15 | | | | | | | |
| 2 3 Metering Voltage Adjustment - Supplei | nental and Stanby.: | | | | | | |
| 4 Standard Primary | ю ' | -1.0% | | ю, ' | -1.0% | | |
| 5 Standard Subtransmission 6 T-O-D Primary | - \$ 4326625 \$ | -2.0% | - (43 266) | 4419191 \$ | -2.0% -1 0% | - (44 192) | |
| 7 T-O-D Subtransmission | 588,667 \$ | -2.0% | (11,773) | 588,667 \$ | -2.0% | (11,773) | |
| 8 Total | 4,915,293 \$ | | (55,040) | 5,007,858 \$ | | (55,965) | |
| - 10 ° | | | | | | | |
| 12 Total Base Revenue: | | | 4,923,213 | | | 5,014,853 | |
| 13 14 | | | | | | | |
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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____(WRA-1) WITNESS: ASHBURN DOCUMENT NO. 2 PAGE 12 OF 17 FILED: 12/14/2017

| | | | | | | | | | | | | | | | | | | | | | | | | | E V I E E | | HI TN CU GE LE | B E M D | I] SS EN 13 | Г 3: ЛТ 3 | N 0 1 | 0 N F 2 | • • • | 5H • 17 14 | IB 2 / | UR 20 | (2N | WRA 1 .7 | -1) |
|---------------------------|--|--|---------------|-------------------------|-------------|------------------------------|-----------------|----------------------|-----------------|-------------------------|--------------|------------------|---------------------|-----------------------------|-------------------------|------------------------------|--------------------------|-------------------------------|-------------|----|-------------------|---------------------|-----------------------|----------------------------|------------------------------|---|----------------------------|------------------|-------------------------|---------------------|-----------------------|------------------|--------------------------|---------------------|--------------|-------------------------------|---------|-----------------------|-----|
| Page 13 of 17 | ed Test year Ended 12/31/2018 | | | Percent | Increase | | | | | | 0.0% | | | | | | | | 0.0% | | | | | | | | 30.4% | | | | | | | 0.0% | | Continued on Page 14 | | Schedules: E-13a | |
| | Type of data shown: XX Project | | | | \$ Revenue | | 67,533 | | 87,531 | 296,721 | 451,784 | | 1,204,055 | | 1,043,523 | 2,924,850 | 2,861,686 | 9,071,812 | 17,105,926 | | | 229,450 | | 559,532 | 2,448,262 | | 3,237,245 | | | 17,034 | | 27,108 | 48,627 | 92,769 | | | | Kecap | |
| | omers are to be on factors are E-13a. The billing | NCLUDING STANDARD | | sed Revenue Calculation | Charge/Unit | | \$ 689.11 | \$ 2,627.94 | \$ 689.11 | \$ 2,627.94 | | | \$ 27.74 | \$ 27.74 | \$ 27.74 | \$ 27.74 | \$ 27.74 | \$ 27.74 | | | | \$ 2.10 | \$ 2.10 | \$ 2.10 | \$ 2.10 | , , ө. | ŀ | | | \$ 2.22 | \$ 2.22 | \$ 2.22 | \$ 2.22 | | | | | | |
| ILE - CALCULATIONS | pposed rates for the test year. If any cust eparately for the transfer group. Corrective class must equal that shown in Schedule | NG KW FOR EACH RATE SCHEDULE (I UP. | IS. IST | Propo | Units | | 98 Bills | - Bills | 127 Bills | 113 Bills | 338 Bills | | 43,405 MWH | HWM - | 37,618 MWH | 105,438 MWH | 103,161 MWH | 327,030 MWH | 616,652 MWH | | | 109,262 kW | - kW | 266,444 kW | 1,165,839 kW | 204,010 KW (1) 1.146.121 KW (1) | 1,541,545 kW | | | 7,673 MVARh | - MVARh | 12,211 MVARh | 21,904 MVARh | 41,788 MVARh | | | | | |
| SE REVENUE BY RATE SCHEDU | tte revenues under present and pr edule to another, show revenues s 's only. The total base revenue by nown in Schedule E-15. | IER OF BILLS, MWH'S, AND BILLI TOMERS) AND TRANSFER GRO | Rate Schedule | | \$ Revenue | | 67,533 | | 87,531 | 296,721 | 451,784 | | 1,204,055 | | 1,043,523 | 2,924,850 | 2,861,686 | 9,071,812 | 17,105,926 | | | 175,912 | | 428,975 | 1,877,001 | | 2,481,887 | | | 17,034 | | 27,108 | 48,627 | 92,769 | | | | | |
| BA | By rate schedule, calcula transferred from one sch used for historic test year units must equal those sh | PROVIDE TOTAL NUMB AND TIME OF USE CUS | | int Revenue Calculation | Charge/Unit | | \$ 689.11 | \$ 2,627.94 | \$ 689.11 | \$ 2,627.94 | | | \$ 27.74 | \$ 27.74 | \$ 27.74 | \$ 27.74 | \$ 27.74 | \$ 27.74 | | | | \$ 1.61 | \$ 1.61 | \$ 1.61 | \$ 1.61 | ө ө | • | | | \$ 2.22 | \$ 2.22 | \$ 2.22 | \$ 2.22 | | | | | | |
| | EXPLANATION: | | | Prese | Units | | 98 Bills | - Bills | 127 Bills | 113 Bills | 338 Bills | | 43,405 MWH | HWM - | 37,618 MWH | 105,438 MWH | 103,161 MWH | 327,030 MWH | 616,652 MWH | | | 109,262 kW | - kW | 266,444 kW | 1,165,839 kW | 204,010 KW (1) 1.146.121 kW (1) | 1,541,545 kW | | | 7,673 MVARh | - MVARh | 12,211 MVARh | 21,904 MVARh | 41,788 MVARh | | | | | |
| SCHEDULE E-13c | FLORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY | DOCKET No. 130040-EI | | Line Type of | No. Charges | 1 2 Basic Service Charge: | 3 Standard Pri. | 4 Standard Subtrans. | 5 T-O-D Primary | 6 T-O-D Subtransmission | 7 Total 8 | 9 Energy Charge: | 10 Standard Primary | 11 Standard Subtransmission | 12 T-O-D On-Peak - Pri. | 13 T-O-D On-Peak - Subtrans. | 14 T-O-D Off-Peak - Pri. | 15 T-O-D Off-Peak - Subtrans. | 16 Total | 17 | 18 Demand Charge: | 19 Standard Primary | 20 Standard Subtrans. | 21 T-O-D Billing - Primary | 22 T-O-D Billing - Subtrans. | 23 I-O-D Peak - Primary 24 T-O-D Peak - Subtrans | 25 Total | 26 | 27 Power Factor Charge: | 28 Standard Primary | 29 Standard Subtrans. | 30 T-O-D Primary | 31 T-O-D Subtransmission | 32 Total | 33 | 34 (1) Not included in Total. | O | supporting schedules: | |

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI

30

| | | | | | | | | | | | | | | | | | | | | | | | | DEWDPF | | | | с ст 5 S 5 S 2 N 1 4 | | NC NC NC NC |). A IO ? | 20 SH 17 14 |)1 HB 2 7 4/ | 7_ 2(| (RN | WI 1 | ۶A | -E -1 | :I .) |
|-----------------------------|--|---------------|------------------------|-------------|--------------------------|------------------------|--------------------|----------------------|-----------------|-------------------------|----------|---------------------------------|---------------------|-----------------------|------------------|--------------------------|----------|----|-----------------------------|---------------------|-----------------------|------------------|--------------------------|----------------|---------------------------------|---------------------|-----------------------|-------------------------------------|--------------------------------------|----------------------|--------------------|----------------------|--------------------------|--------------|---------|-----------------------|----|----------|----------|
| Page 14 of 17 | jected Test year Ended 12/31/2018 | | Percent | Increase | | | | | | | %O.O | | | | | | %0.0 | | | | | | | 0.0% | | | | | %E 7 | | | | 3.8% | | | cap schedules: E-13a | | | |
| | Type of data shown: XX Pro ARD | | lation | \$ Revenue | | | (3,869) | | (2,662) | (13,680) | (20,211) | | | | | | | | | | | 1 | (500,880) | (500,880) | | | | | (139,790) | | | | 20,226,844 | | Ċ | Ω. | | | |
| | ustomers are to be ection factors are tule E-13a. The billing tule E-1001NG STAND | | pposed Revenue Calcul | Charge/Unit | | | 1 \$ (1.11) | 1 \$ (1.11) | (1.11) | (1.11) | _ | | \$ 0.63 | \$ 0.63 | \$ 0.63 | \$ 0.63 | | | | ھ | \$ (0.44) | 69 | \$ (0.44) | | | %0 | -1% | %0 | -1% | | | | | | | | | | |
| JLE - CALCULATIONS | oposed rates for the transfer group. Corrie eparately for the transfer group. Corri class must equal that shown in Sched ING kW FOR EACH RATE SCHEDUL JUP. | IS. IST | Ρπ | Units | | | 3,486 MVARh | - MVARh | 2,398 MVARh | 12,324 MVARh | | | - kw | - kw | - kW | - kw | - kW | | | 109,262 kW | - kW | 293,919 kW | 1,138,363 kW | 1,541,544 kW | | 1,446,670 \$ | \$ | 4,489,189 \$ | 13,978,992 \$ 19.914.850 \$ | | | | | | | | | | |
| BASE REVENUE BY RATE SCHEDL | culate revenues under present and pr schedule to another, show revenues s years only. The total base revenue by se shown in Schedule E-15. JMBER OF BILLS, MWH's, AND BILLI JUBER OF BILLS, MWH's, AND BILLI JUSTOMERS) AND TRANSFER GRO | Rate Schedule | E | \$ Revenue | | | (3,869) | | (2,662) | (13,680) | (20,211) | | | | | | | | | | | 1 | (500,880) | (500,880) | | ı | | | (134,077) | | | | 19,477,200 | | | | | | |
| | By rate schedule, cal transferred from one used for historic test units must equal thos PROVIDE TOTAL NI AND TIME OF USE (| | nt Revenue Calculation | Charge/Unit | | | \$ (1.11) | \$ (1.11) | \$ (1.11) | \$ (1.11) | | | \$ 0.63 | \$ 0.63 | \$ 0.63 | \$ 0.63 | | | | ه | \$ (0.44) | ۰ ه | \$ (0.44) | | | %0 | -1% | %0 | -1% | | | | | | | | | | |
| | EXPLANATION: | | Prese | Units | | | 3,486 MVARh | - MVARh | 2,398 MVARh | 12,324 MVARh | | | - kw | - kw | - kw | - kW | - kW | | | 109,262 kW | - kW | 293,919 kW | 1,138,363 kW | 1,541,544 kW | | 1,393,131 \$ | ده ۱ | 4,358,631 \$ | 13,407,731 \$ 10,150,403 \$ | | | | | | | | | | |
| SCHEDULE E-13c | FLORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY DOCKET No. 130040-E1 | | Line Type of | No. Charges | 1 Continued from Page 17 | 3 Power Factor Credit: | 4 Standard Primary | 5 Standard Subtrans. | 6 T-O-D Primary | 7 T-O-D Subtransmission | 0 100al | o 10 Emergency Relay Service | 11 Standard Primary | 12 Standard Subtrans. | 13 T-O-D Primary | 14 T-O-D Subtransmission | 15 Total | 16 | 17 Delivery Voltage Credit: | 18 Standard Primary | 19 Standard Subtrans. | 20 T-O-D Primary | 21 T-O-D Subtransmission | 22 Total 23 | 24 Metering Voltage Adjustment: | 25 Standard Primary | 26 Standard Subtrans. | 27 T-O-D Primary | 28 T-O-D Subtransmission 29 Total | 30 | 31 | 32 | 33 Total Base Revenue: | 34 | 35 | Supporting Schedules: | | | |

| | | | | | | | | | | | | | | | | | | | | | | | | DEWDPF | | CK HI CN CU SE | E | T I] SS E] 15 | N 5 3: 7T | 0 N 0 1 | • 0, 2 N(F 2, | 2 AS 1 /1 | :01 :HE :7 .4/ | 2 2 2 | RI 0 | (WRA N 17 | -EI -1) |
|-------------------------|---|---|---------------|------------------------|-------------|------------------------------|-----------------|-------------------------|----------|--------------------------------------|------------------------|-----------------------------|--------------------------|-------------------------------|-----------------------------|------------------------------|--------------------------|-------------------------------|-------------|----|----------------------------------|----------|---|------------------------------|-----------------------------|--|-----------------------------------|-------------------------------|------------------------------------|-------------------------------|-----------------------------------|--------------------|-------------------------|-------------------------------|----------------------|-----------------------|------------|
| Page 15 of 17 | scted Test year Ended 12/31/2018 | | | Percent | Increase | | | | 0.0% | | | | | | | | | | 0.0% | | | | | | | | | | | | | 0.3% | | | Continued on Page 16 | ap Schedules: E-13a | |
| | Type of data shown: XX Proj | | | | \$ Revenue | | , | 212,451 | 212,451 | | | 169,963 | | 596,160 | | 771.725 | | 2,212,104 | 3,749,953 | | | | 100,001 | | | | 3,850,490 | | 384,413 | | 7,451,177 | 11,844,981 | | | | Rec | |
| | rs are to be ictors are 3a. The billing | UDING STANDARD | | Revenue Calculation | Charge/Unit | | 716.81 | 2,655.64 | | | 27.74 | 27.74 | 27.74 | 27.74 | 11 15 | 11.15 | 11.15 | 11.15 | | | | 2.10 KW | 2.10 KW | WX | | 1.61 kW | 1.61 kW | 1.33 kW-mo. | 1.33 kW-mo. | 0.53 kW-day | 0.53 kW-day | | | | | | |
| E - CALCULATIONS | oosed rates for the test year. If any customer parately for the transfer group. Correction fa lass must equal that shown in Schedule E-1; | G kW FOR EACH RATE SCHEDULE (INCL P. | B | Proposed F | Units C | | 0 Bills \$ | 80 Bills \$ | 80 Bills | | \$ HWM - | 6,127 MWH \$ | \$ HMM - | 21,491 MWH \$ | | 69.213 MWH \$ | \$ HMW - | 198,395 MWH \$ | 295,226 MWH | | | | 00/01 00/02 0 00 00 00 00 00 00 00 00 00 00 00 00 | - xww (1) & 42.115 kW (1) \$ | | - kw \$ | 2,391,609 kW \$ | - kW (1) \$ | 289,032 kW (1) \$ | - kW (1) \$ | 14,058,825 kW (1) \$ | 2,467,276 kW | | | | | |
| REVENUE BY RATE SCHEDUL | evenues under present and prop le to another, show revenues se nly. The total base revenue by c | n in Schedule E-15. OF BILLS, MWH's, AND BILLIN MERS) AND TRANSFER GROU | Rate Schedule | | \$ Revenue | | | 212,451 | 212,451 | | | 169,963 | | 596,160 | | 771.725 | | 2,212,104 | 3,749,953 | | | | 121,024 | | | | 3,850,490 | | 384,413 | | 7,451,177 | 11,807,904 | | | | | |
| BASE | By rate schedule, calculate n transferred from one schedu used for historic test years or | units must equal those show PROVIDE TOTAL NUMBER AND TIME OF USE CUSTOI | | nt Revenue Calculation | Charge/Unit | | \$ 717 | \$ 2,656 | | | \$ 27.74 | \$ 27.74 | \$ 27.74 | \$ 27.74 | 1 7 8 | \$ 11.15 | \$ 11.15 | \$ 11.15 | | | | WX 1.0.1 | 0 I.O. | * * * * * | | \$ 1.61 kW | \$ 1.61 kW | \$ 1.33 kW-mo. | \$ 1.33 kW-mo. | \$ 0.53 kW-day | \$ 0.53 kW-day | | | | | | |
| | EXPLANATION: | | | Prese | Units | | 0 Bills | 80 Bills | 80 Bills | | - WWH | 6,127 MWH | HWM - | 21,491 MWH | | - MWH 69.213 MWH | HWM - | 198,395 MWH | 295,226 MWH | | | - KW | (1) XVX 100,C1 | - kw (1) 42.115 kW (1) | | - kw | 2,391,609 kW | - kW (1) | 289,032 kW (1) | - kW (1) | 14,058,825 kW (1) | 2,467,276 kw | | | | | |
| SCHEDULE E-13c | FLORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY | DOCKET No. 130040-EI | | Line Type of | No. Charges | 1 2 Basic Service Charge: | 3 T-O-D Primary | 4 T-O-D Subtransmission | 5 Total | o 7 Energy Charge - Supplemental: | 8 T-O-D On-Peak - Pri. | 9 T-O-D On-Peak - Subtrans. | 10 T-O-D Off-Peak - Pri. | 11 T-O-D Off-Peak - Subtrans. | 12 Energy Charge - Standby: | 14 T-O-D On-Peak - Subtrans. | 15 T-O-D Off-Peak - Pri. | 16 T-O-D Off-Peak - Subtrans. | 17 Total | 18 | 19 Demand Charge - Supplemental: | | 21 I-O-D Bling - Subtrans. | 23 T-O-D Peak - Subtrans. | 24 Demand Charge - Standby: | 25 T-O-D Facilities Reservation - Pri. | 26 T-O-D Facilities Res Subtrans. | 27 T-O-D Bulk Trans. Res Pri. | 28 T-O-D Bulk Trans. Res Subtrans. | 29 T-O-D Bulk Trans. Dmd Pri. | 30 T-O-D Bulk Trans Dmd Subtrans. | 31 Iotal | 32 33 | 34 (1) Not included in Total. | 35 | Supporting Schedules: | |

32

| | | | | | | | | | | | | | | | | | | | | TZ DO EZ WI DO PZ FI | AMI CCI KHI ITI CCI AGI ILI | PA KE IB NE UM E ED | I T S S E I (; | EL: N(F) 5 : NT 5 (| EC D. NO N DF 12 | TI 2 0 10 10 1 1 1 1 | RI(201 5H1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 . 1 | 2 17 30 2 / 2 | | OME (WF N | PAN RA- | 1Y -E: -1 | I) |
|--------------------------|--|---------------|---------------------------------------|--------------------------|---|--|--------------|--|-----------------|--------------------------------------|----|-----------------------------------|------------------|--------------------------------------|----|--|------------------|--------------------------|--|--|---|---|--------------------------------------|--------------------------------------|---------------------------------|--|---|---------------------------|----|-----------------------|----------------|-----------------|----|
| Page 16 of 17 | ed Test year Ended 12/31/2018 | | Percent Increase | | | | 0.0% | | | %0.0 | | | | 0.0% | | | | | | | %0.0 | | | 0.3% | 0.0.0 | | 0.2% | | | Schedules: E-13a | | | |
| | Type of data shown: XX Project | | n \$ Revenue | | | - 115.844 | 115,844 | | | (22,898) (22,898) | | | | . . | | | | (33,293) | | (884,895) | (918,189) | | | (147,697) | (100,141) | | 14.834.445 | | | Recap | | | |
| | omers are to be on factors are E-13a. The billing NCLUDING STANDARI | | sed Revenue Calculatio Charge/Unit | | | \$ 222 \$ 222 | | | \$ (1.11) | \$ (1.11) | | | \$ 0.63 | \$ 0.63 | | | 6 | \$ (0.44) | ب | \$ (0.37) | | | 0.0% | -1.0% | | | | | | | | | |
| ULE - CALCULATIONS | roposed rates for the test year. If any cust separately for the transfer group. Correcti y class must equal that shown in Schedule LING kW FOR EACH RATE SCHEDULE (I OUP. | BS | Propo: Units | | | - MVARh 52.182 MVARh | 52,182 MVARh | | - MVARh | 20,629 MVARh 20,629 MVARh | | | - kW | - kw | | | - kW | 75,667 KW | - kw | 2,391,609 kW | 2,467,276 kW | | \$ | 14,769,691 \$ | | | | | | | | | |
| SE REVENUE BY RATE SCHED | te revenues under present and p adule to another, show revenues s only. The total base revenue b rown in Schedule E-15. ER OF BILLS, MWH's, AND BILL TOMERS) AND TRANSFER GRV | Rate Schedule | \$ Revenue | | | - 115.844 | 115,844 | | | (22,898) (22,898) | | | | | | | | (33,293) | | (884,895) | (918,189) | | | (147,326) | (020,141) | | 14.797.739 | | | | | | |
| BAS | By rate schedule, calcula transferred from one sch- used for historic test year units must equal those st PROVIDE TOTAL NUMB AND TIME OF USE CUS | | nt Revenue Calculation Charge/Unit | | | \$ 2.22 \$ 2.22 | | | \$ (1.11) | \$ (1.11) | | | \$ 0.63 | ¢ 0.63 | | | ٠ ه | \$ (0.44) | ، ه | \$ (0.37) | | | 0.0% | -1.0% | | | | | | | | | |
| | EXPLANATION: | | Prese | | standby: | - MVARh 52.182 MVARh | 52,182 MVARh | andby: | - MVARh | 20,629 MVARh 20,629 MVARh | × | | - kw | - kw | | | - kW | 75,667 kW | - kw | 2,391,609 kW | 2,467,276 kW | ental and Stanby.: | \$ | 14,732,614 \$ | | | | | | | | | |
| SCHEDULE E-13c | FLORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY DOCKET No. 130040-E1 | | Line Type of No. Charges | 1 Continued from Page 19 | 2 3 Power Factor Charge Supplemental & S | 4 T-O-D Primary 5 T-O-D Subtransmission | 6 Total | Power Factor Credit Supplemental & Sta | 9 T-O-D Primary | 10 T-O-D Subtransmission 11 Total | 12 | 13 Emergency Relay Charge - Supp. | 14 T-O-D Primary | 15 I-U-U Subtransmission 16 Total | 17 | 18 Delivery Voltage Credit - Supplemental .: | 19 T-O-D Primary | 20 T-O-D Subtransmission | 21 Delivery voltage Credit Standby.: 22 T-O-D Primary | 23 T-O-D Subtransmission | 24 Total 25 | Metering Voltage Adjustment - Supplem | 27 T-O-D Primary | 28 T-O-D Subtransmission | 30 | 31 | 32 33 Total Base Revenue: | 34 | 35 | Supporting Schedules: | | | |

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| SCHEDULE E-13¢ FLORIDA PUBLIC SERVICE COMMISSION COMPANY: TAMPA ELECTRIC COMPANY | EXPLANATION: | BASI By rate schedule, calculate transferred from one scher used for historic test years units must equal those shr | E REVENUE BY RATE SCHEDUL erevenues under present and proy dule to another, show revenues se s only. The total base revenue by c own in Schedule E-15. | E - CALCULATIONS obsect rates for the test year. If any c parately for the transfer group. Corr class must equal that shown in Schec | ustomers are to be ection factors are dule E-13a. The billing | Type of data shown: XX Projected Test year Ende | Page 17 of 17 1 12/31/2018 |
|--|--------------|---|--|---|---|--|-------------------------------|
| DOCKET No. 130040-EI | | PROVIDE TOTAL NUMBE AND TIME OF USE CUST | ER OF BILLS, MWH's, AND BILLIN OMERS) AND TRANSFER GROU Rate Schedule | IG KW FOR EACH RATE SCHEDUL JP. S-1 (Energy Service) | E (INCLUDING STANDARD | | |
| Line Type of Los Charges L | Pres | ent Revenue Calculation Charge/Unit | \$ Revenue | Dn Units | <pre>sposed Revenue Calculation Charge/Unit</pre> | \$ Revenue | Percent Increase |
| 1 2 Basic Service Charge: | 2,810 Bills | \$ 11.62 | 32,652 | 2,810 Bills | \$ 11.62 | 32,652 | %0.0 |
| s 4 Energy Charge 5 | 189,780 MWH | \$ 27.27 | 5,175,301 | 189,780 MWH | \$ 27.43 | 5,205,665 | 0.6% |
| 6 7 Total Base Revenue: | | | 5,207,953 | | | 5,238,318 | 0.6% |
| 8 0 | | | | | | | |
| 10 | | | | | | | |
| - 12 | | | | | | | |
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| 32 | | | | | | | 14 |
| 33 34 | | | | | | | / 4 |
| 35 | | | | | | | 01 |
| Supporting Schedules: E-13d | | | | | | Recap Schedules: E-13 | _ / |
| | | | | | | | |

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) DOCUMENT NO. 3

Rollup Base Revenue by Rate Class

| | determinant information shall be shown separ new or old classification. | ately for the transfer group and not be incl | le revertue and pliming uded under either the | XX Projected Year Ended | 12/31/2018 |
|--------------------------|--|--|--|-------------------------|------------|
| | | (\$000) | | | |
| 12CP & 1/13 - all demand | | | Increa | e Se | |
| | (1) | (2) | (3) | (4) | |
| | Base Revenue | Base Revenue Under | Dollars | Percent | |
| | at Present Kates | Proposed Kates | (2) - (1) | (3) / (1) | |
| | 504, 140 67 803 | 69 161 | 1359 | 2.0% | |
| | 1,215 | 1,227 | 12 | 1.0% | |
| | 322,455 | 331,250 | 8,796 | 2.7% | |
| | 25,574 | 26,206 | 631 | 2.5% | |
| | 4,923 | 5,015 | 92 | 1.9% | |
| | 19,477 | 20,227 | 750 | 3.8% | |
| | 14,798 | 14,834 | 37 | 0.2% | |
| | 5,208 | 5,238 | 30 | 0.6% | |
| | 43,545 | 43,545 | | 0.0% | |
| | | | | | |
| | \$ 1,152,452 | \$ 1,178,945 | \$ 26,493 | 2.3% | |
| | | | | | |
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| | | | | | |
| ss | | | | | |
| | 647,455 | 662,241 | 14,786 | 2.3% | |
| | 69,017 | 70,389 | 1,371 | 2.0% | |
| | | | | | |
| | 302,302 | 302,47 1 | 6,019 | 2.1% | |
| | 34,275 | 35,061 | 786 | 2.3% | |
| | | | | | |
| | 48,753 | 48,783 | 30 | 0.1% | |
| | 1,152,452 | 1,178,945 | 26,493 | 2.3% | |
| | | | | | |
| | | | | | |
| | | | | Paran Schadulas: | |

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 3 PAGE 1 OF 1 FILED: 12/14/2017

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 4

Typical Bills Reflecting

First SoBRA Base Revenue Increase

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| 3.00 5 145,1 5 138 |
| 5.00 3.20.4 7.15 3.0.4 7.15 3.0.4 7.15 3.0.4 7.15 5.0.1 5.0.1 1.00 |
| RESENT PROSED USTONER CHARCE 162.3 Bit 162.3 Bit DEMUND CHARCE 16.3 Still 162.3 Bit DEMUND CHARCE 1.5 KW - 50.4 KWH DEMOND CHARCE - 50.4 KWH - 50.4 KWH DEL CHARCE 5.30 4 KWH 5.34 4 KWH - 5.34 4 KWH Del CHARCE 5.30 4 KWH 5.34 4 KWH - 5.34 4 KWH Del CHARCE 2.31 6 KWH 5.34 4 KWH - - - Del CHARCE 2.31 6 KWH 0.34 6 KWH 0.34 6 KWH - </td |
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| Own 1000 KWH 6.308 #WH 6.394 #WH 6.394 #WH FUEL CHARGE 0.1000 KWH 5.308 #WH 0.1000 KWH 5.308 #WH 0.1000 KWH 3.818 #WH 2.818 #WH 2.818 #WH 0.000 KWH 2.416 #WH 0.1000 KWH 3.818 #WH 0.246 #WH 0.246 #WH 0.346 #WH 0.346 #WH CONSERVATION CHARGE 0.246 #WH 0.343 #WH 0.343 #WH 0.343 #WH 0.066 #WH 0.066 #WH 0.066 #WH 0.006 #WH </td |
| FUEL CHARGE 2618 ¢MWH 2818 ¢MWH 0 - 1.000 KWH 3818 ¢MWH 3818 ¢MWH 0 - 1.000 KWH 3818 ¢MWH 3818 ¢MWH 0 - 1.000 KWH 318 ¢MWH 0.246 ¢MWH CONSERVATION CHARGE 0.246 ¢MWH 0.246 ¢MWH CONSERVATION CHARGE 0.246 ¢MWH 0.343 ¢MWH CONSERVATION CHARGE 0.343 ¢MWH 0.343 ¢MMH CONSERVATION CHARGE 0.343 ¢MWH 0.343 ¢MMH CONSERVATION CHARGE 0.343 ¢MWH 0.346 ¢MMH CONSERVATION CHARGE 0.343 ¢MMH 0.346 ¢MMH CONSERVATION CHARGE 0.343 ¢MMH 0.346 ¢MMH CONSERVATION CHARGE 0.340 ¢MMH 0.346 ¢MMH CONSERVATION CHARGE 0.340 ¢MMH 0.346 ¢MH CONSERVATION CHARGE 0.341 ¢MMH 0.346 ¢MH CONSERVATION CHARGE 0.340 ¢MHH 0.346 ¢MHH CONSERVATION CHARGE 0.346 ¢MHH |
| Ver 1000 KWH 2018 KWH |
| CONSERVITION CHARGE 0.345 ¢ kWH 0.346 ¢ kWH CAPACITY CHARGE 0.356 ¢ kWH 0.346 ¢ kWH CAPACITY CHARGE 0.33 ¢ kWH 0.335 ¢ kWH ENVROMENTAL CHARGE 0.33 ¢ kWH 0.333 ¢ kWH Note: Cost recovery clause factors are the current 2018 factors. 2018 fuel clause factors used for both PRESENT and PROPOSED bills above includes the fuel benefit of Tranche #1 of SoBRA. Note: Scat recovery clause factors are the current 2018 factors. 2018 fuel clause factors used for both PRESENT and PROPOSED bills above includes the fuel benefit of Tranche #1 of SoBRA. |
| CAPACITY CHARGE 0.066 ¢/kWH 0.066 ¢/kWH ENVROMENTAL CHARGE 0.33 ¢/kWH 0.333 ¢/kWH Noie: Cost recovery clause factors are flat and the factor seed for both PRESENT and PROPOSED bills above includes the fuel benefit of Tranche #1 of SoBRA Recovery clause factors are the current 2018 factors. 2018 fuel clause factors used for both PRESENT and PROPOSED bills above includes the fuel benefit of Tranche #1 of SoBRA |
| ENVRONMENTAL CHARGE 0.343 ¢//WH 0.343 ¢//WH 0.343 ¢//WH 0.343 ¢//WH 0.343 ¢//WH 0.342 ¢//WH 0.341 ¢//WH 0.342 WH 0.342 W |
| Nole: Cost recovery clause factors are the current 2018 factors. 2018 fuel clause factors used for both PRESENT and PROPOSED bills above includes the fuel benefit of Tranche #1 of SoBRA. |
| Note: Cost recovery clause factors are the current 2018 factors. 2018 fuel clause factors used for both PRESENT and PROPOSED bills above includes the fuel benefit of Tranche #1 of SoBRA. |
| edules: =13.6. E-14 Supplement Recap Schedules: |
| |
| |

SOBRA 12CP and 1/13 With 40% Allocation to Lighting All Demand

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 4 PAGE 1 OF 4 FILED: 12/14/2017

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|------------------|------------------|--------------|------------------------------------|----------------|--------------------|-----------------|----------|----------------|-----------|-----------|---------------|---------------------|---------------|-----------|--------------------|--|----------------------------------|
| ge 2 of 4 | 2018 | UTS/KWH | (20) PROPOSED 16)/(2)*100 | | 30.15 | 17.88 | 13.79 | 12.43 | 11.75 | 11.34 | 11.06 | 10.72 | 10.38 | 10.11 | 9.94 | | |
| Ра | ear Ended 12/31/ | COSTS IN CER | (19) PRESENT F (9)/(2)*100 (| | 30.01 | 17.74 | 13.65 | 12.28 | 11.60 | 11.19 | 10.92 | 10.58 | 10.24 | 9.96 | 9.80 | | ö |
| hown: | Projected Test y | SE | (18) PERCENT (17)(9) | %0.0 | 0.5% | 0.8% | 1.1% | 1.2% | 1.3% | 1.3% | 1.3% | 1.4% | 1.4% | 1.5% | 1.5% | | tecap Schedule |
| Type of data s | X | INCREA | (17) DOLLARS (16)-(9) | | 0.15 | 0.36 | 0.73 | 1.09 | 1.45 | 1.82 | 2.18 | 2.91 | 4.36 | 7.27 | 12.36 | | ι. |
| | | | (16) TOTAL | 20.45 \$ | 30.15 \$ | 44.70 \$ | 68.95 \$ | 93.20 \$ | 117.45 \$ | 141.71 \$ | 165.96 \$ | 214.46 \$ | 311.46 \$ | 505.47 \$ | 844.98 | | |
| | | | (15) GRT CHARGE | 0.51 \$ | 0.75 \$ | 1.12 \$ | 1.72 \$ | 2.33 \$ | 2.94 \$ | 3.54 \$ | 4.15 \$ | 5.36 \$ | \$ 67.7 | 12.64 \$ | 21.12 \$ | | |
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SOBRA 12CP and 1/13 With 40% Allocation to Lighting All Demand

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 4 PAGE 2 OF 4 • תק דד 12/14/2017

12CP and 1/13 With 40% Allocation to Lighting All Demand SOBRA

12/14/2017 FILED: COSTS IN CENTS/KWH (19) (20) PRESENT PROPOSED 10.28 8.23 7.17 10.87 10.13 8.14 7.11 11.13 10.83 10.11 8.13 7.10 (16)/(2)*100 XX Projected Test year Ended 12/31/2018 10.96 10.08 8.12 7.09 (19) PRESENT 10.69 9.93 8.03 7.03 10.66 9.91 8.02 7.02 (9)/(2)*100 Recap Schedules 1.6% 2.0% 1.4% 1.1% 1.6% 2.0% 1.4% 1.1% 1.6% 2.0% 1.4% 1.1% (18) PERCENT Type of data shown: INCREASE 126.53 251.28 251.28 251.28 254.72 506.13 1,005.13 1,005.13 1,018.87 18.98 37.69 37.69 38.21 (17) DOLLARS (16)-(9) () () θ θ 1,219.05 1,970.06 2,703.99 3,531.35 7,933.82 12,940.52 17,833.39 23,349.17
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 - ¢/KWH Cost recovery clause factors are the current 2018 factors. 2018 fuel clause factors used for both PRESENT and PROPOSED bills above includes the fuel benefit of Tranche #1 of SoBRA - ¢/KWH
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 0.342 ¢/KWH 22.01 \$ 65.25 \$ 65.25 \$ 65.25 \$ <u>GSDT</u> 33.24 (12) ECCR 342.95 \$ 600.17 \$ 1,028.86 \$ 1,536.27 \$ FULL REVENUE REQUIREMENTS BILL COMPARISON - TYPICAL MONTHLY BILLS 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 <u>33.24</u> --1.754 --3.132 0.87 0.20 0.342 10.74 For each rate, calculate typical monthly bills for present rates and proposed rates (11) FUEL CHARGE **GSD - GENERAL SERVICE DEMAND** 781.02 \$ 1,174.85 \$ 1,414.93 \$ 1,658.03 \$ (10) BASE 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.
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TAMPA ELECTRIC COMPANY 2017 DOCKET NO. -EI EXHIBIT NO. (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 4 PAGE 3 OF 4

Page 3 of 4

SOBRA 12CP and 1/13 with 40% Allocation to Lighting All Demand

| | | WITNESS: ASH DOCUMENT NO. PAGE 4 OF 4 FILED: 12/14 |
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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 4 PAGE 4 OF 4 FILED: 12/14/2017

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5

Redlined Tariffs

Reflecting First SoBRA Base Revenue Increase

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 1 OF 17 FILED: 12/14/2017



TWENTY-SECOND-THIRD REVISED SHEET NO. 6.030 CANCELS TWENTY-FIRST_SECOND 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.

<u>LIMITATION OF SERVICE</u>: 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: \$16.62

Energy and Demand Charge: First 1,000 kWh

All additional kWh

5.<u>200394</u>¢ per kWh 6.<u>308394</u>¢ 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: G. L. Gillette<u>N. G. Tower</u>, President DATE EFFECTIVE: June 5, 2017

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 2 OF 17 FILED: 12/14/2017

THIRD FOURTH REVISED SHEET NO. 6.050 CANCELS TWENTY-SECOND THIRD 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.

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

<u>LIMITATION OF SERVICE</u>: 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\$19.94Un-metered accounts\$16.62

Energy and Demand Charge: 5.549<u>691</u>¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.167¢ 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: G. L. Gillette<u>N. G. Tower</u>, President DATE EFFECTIVE: January 16, 2017

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 3 OF 17 FILED: 12/14/2017



TWENTY-SECOND-THIRD REVISED SHEET NO. 6.080 CANCELS TWENTY-FIRST-SECOND 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.

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

<u>LIMITATION OF SERVICE</u>: 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:

<u>STANDARD</u>

Basic Service Charge:

| Secondary Metering Voltage | \$ | 33.24 |
|----------------------------|-----|---------|
| Primary Metering Voltage | \$ | 144.03 |
| Subtrans. Metering Voltage | \$1 | ,096.82 |

Demand Charge: \$10.25-<u>74</u>per kW of billing demand

Basic Service Charge

OPTIONAL

| 20.0.0 0011100 0110.901 | | |
|----------------------------|-----|---------|
| Secondary Metering Voltage | \$ | 33.24 |
| Primary Metering Voltage | \$ | 144.03 |
| Subtrans. Metering Voltage | \$1 | ,096.82 |

Demand Charge: \$0.00 per kW of billing demand

<u>Energy Charge:</u> 1.754¢ per kWh

Energy Charge: 6.660829¢ 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: <u>G. L. Gillette</u>N. G. Tower, President DATE EFFECTIVE: January 16, 2017

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 4 OF 17 FILED: 12/14/2017



SEVENTH EIGHTH REVISED SHEET NO. 6.082 CANCELS SIXTH SEVENTH 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 $0.\frac{220226}{226}$ ¢ per kWh will apply. A discount of $0.\frac{672689}{2689}$ ¢ 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 66¢ per kW of billing demand for customers taking service under the standard rate and 0.167¢/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.



TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 5 OF 17 FILED: 12/14/2017





TWENTIETH TWENTY-FIRST REVISED SHEET NO. 6.085 CANCELS NINETEENTH TWENTIETH 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.

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

<u>LIMITATION OF SERVICE</u>: 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 \$ 689.11 Subtransmission Metering Voltage \$2,627.94

Demand Charge:

\$1.612.10 per KW of billing demand

Energy Charge: 2.774¢ per KWH

Continued to Sheet No. 6.086

ISSUED BY: G. L. Gillette<u>N. G. Tower</u>, President

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 6 OF 17 FILED: 12/14/2017



TWENTY-EIGHTH NINTH REVISED SHEET NO. 6.290 CANCELS TWENTY-SEVENTH EIGHTH REVISED SHEET NO. 6.290

CONSTRUCTION SERVICE

SCHEDULE: CS

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: 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: \$19.94

Energy and Demand Charge: 5.549691¢ 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.



TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 7 OF 17 FILED: 12/14/2017



TWENTY-SECOND THIRD **REVISED SHEET NO. 6.320** CANCELS TWENTY-FIRST SECOND REVISED SHEET NO. 6.320

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

GST SCHEDULE:

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: \$22.16

Energy and Demand Charge: 15.18814.533¢ per kWh during peak hours 1.0301.545¢ per kWh during off-peak hours

Continued to Sheet No. 6.321

ISSUED BY: G. L. GilletteN. G. Tower, President

DATE EFFECTIVE: January 16, 2017

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 8 OF 17 FILED: 12/14/2017



TWENTY-THIRD FOURTH REVISED SHEET NO. 6.330 CANCELS TWENTY-SECOND THIRD 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.

<u>LIMITATION OF SERVICE</u>: 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 | \$ | 33.24 |
| Primary Metering Voltage | \$ | 144.03 |
| Subtransmission Metering Voltage | \$1 | ,096.82 |

Demand Charge:

\$3.46-63 per kW of billing demand, plus \$6.797.12 per kW of peak billing demand

Energy Charge:

 3.211ϕ per kWh during peak hours 1.159ϕ per kWh during off-peak hours

Continued to Sheet No. 6.331

ISSUED BY: <u>G. L. Gillette</u><u>N. G. Tower</u>, President DATE EFFECTIVE: January 16, 2017

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 9 OF 17 FILED: 12/14/2017



TWENTIETH TWENTY-FIRST REVISED SHEET NO. 6.340 CANCELS NINETEENTH TWENTIETH 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.

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

<u>LIMITATION OF SERVICE</u>: 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\$ 689.11Subtransmission Metering Voltage\$2,627.94

Demand Charge: \$1.612.10 per KW of billing demand

Energy Charge: 2.774¢ per KWH

Continued to Sheet No. 6.345

ISSUED BY: <u>G. L. Gillette</u><u>N. G. Tower</u>, President

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 10 OF 17 FILED: 12/14/2017



EIGHTH NINTH REVISED SHEET NO. 6.565 CANCELS SEVENTH EIGHTH REVISED SHEET NO. 6.565

Continued from Sheet No. 6.560

MONTHLY RATES: Basic Service Charge:

\$16.62

Energy and Demand Charges: 5.549708¢ 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. | 1 P.M. to 6 P.M. | | | | |
| | | 6 P.M. to 11 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. | 6 A.M. to 10 A.M. | | | | |
| | | 10 A.M. to 11 P.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: <u>G. L. Gillette</u><u>N. G. Tower</u>, President

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 11 OF 17 FILED: 12/14/2017



THIRTEENTH FOURTEENTH **REVISED SHEET NO. 6.601** CANCELS TWELFTH THIRTEENTH REVISED SHEET NO. 6.601

Continued from Sheet No. 6.600

CHARGES FOR SUPPLEMENTAL SERVICE:

Demand Charge:

\$10.2574

per kW-Month of Supplemental Billing Demand (Supplemental Billing Demand Charge)

Energy Charge:

1.754¢ 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.)

Peak Hours: (Monday-Friday) April 1 - October 31 12:00 Noon - 9:00 PM November 1 - March 31 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 30minute 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

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 12 OF 17 FILED: 12/14/2017



TENTH ELEVENTH REVISED SHEET NO. 6.606 CANCELS NINTH TENTH REVISED **SHEET NO. 6.606**

Continued from Sheet No. 6.605

CHARGES FOR SUPPLEMENTAL SERVICE

Demand Charge:

\$3.4663 per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus

per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing \$6.797.12 Demand Charge)

Energy Charge:

per Supplemental kWh during peak hours 3.211¢

per Supplemental kWh during off-peak hours 1.159¢

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.)

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

All other weekday hours, and all hours on Saturdays, Sundays, New Off-Peak Hours: 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 30minute interval, during the month.

> > Continued to Sheet No. 6.607

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 13 OF 17 FILED: 12/14/2017



EIGHTH NINTH REVISED SHEET NO. 6.700 CANCELS SEVENTH EIGHTH **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 selfgenerating 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

<u>LIMITATION OF SERVICE</u>: 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 Subtransmission Metering Voltage

\$716.81 \$2,655.64

Demand Charge:

\$1.612.10 per KW-Month of Supplemental Demand (Supplemental Demand Charge) \$1.61 per KW-Month of Standby Demand (Local Facilities Reservation Charge)

plus the greater of: \$1.33 per KW-Month of Standby Demand (Power Supply Reservation Charge); or \$0.53 per KW-Day of Actual Standby Billing Demand (Power Supply Demand Charge) Continued to Sheet No. 6.705

ISSUED BY: G. L. GilletteN. G. Tower, President

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 14 OF 17 FILED: 12/14/2017



SIXTH-SEVENTH REVISED SHEET NO. 6.805 CANCELS FIFTH SIXTH REVISED SHEET NO. 6.805

Continued from Sheet No. 6.800

MONTHLY RATE:

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

| | | | Lamp Size | | | Cł | narges pe | er Unit (\$) | | |
|--------------------|---------------|------------------------------|----------------------------------|--------------------------------|--------------------|---------------|-----------|--------------|--------------------|----------------------|
| Rate | Code | | | | kWh | | | | Base E | nergy ⁽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 2.727743¢ per kWh for each fixture.

Continued to Sheet No. 6.806

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 15 OF 17 FILED: 12/14/2017



FOURTH FIFTH REVISED SHEET NO. 6.806 **CANCELS THIRD FOURTH REVISED SHEET NO. 6.806**



AN EMERA COMPANY

Continued from Sheet No. 6.805

MONTHLY RATE:

Metal Halide Fixture, Maintenance, and Base Energy Charges:

| | | | Lamp Size | | | С | harges pe | r Unit (\$) | | |
|--------------------|---------------|---------------------------|----------------------------------|--------------------------------|--------------------|---------------|-----------|-------------|--------------------|----------------------|
| Rate | Code | | | | kWh | | | | Base E | nergy ⁽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 2.727743¢ per kWh for each fixture.

Continued to Sheet No. 6.808

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ___ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 16 OF 17 FILED: 12/14/2017



FOURTH FIFTH REVISED SHEET NO. 6.808 **CANCELS THIRD FOURTH REVISED SHEET NO. 6.808**





Continued from Sheet No. 6.806

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

| | | | Size | | | | Charges per l | Jnit (\$) | | | | |
|--------------------|---------------|--------------|----------------------------------|--------------------------------|--------------------|---------------|--------------------|-------------|--------------------|---------------|---------|----------------------|
| Rate | Code | | | | kWh ⁽¹⁾ | | kWh ⁽¹⁾ | | | | Base Er | nergy ⁽³⁾ |
| Dusk to Dawn | Timed Svc. | Description | Initial Lumens ⁽¹⁾ | Lamp Wattage ⁽²⁾ | Dusk to Dawn | Timed Svc. | Fixture | Maintenance | Dusk to Dawn | Timed Svc. | | |
| 828 | 848 | Roadway | 5,155 | 56 | 20 | 10 | 7.27 | 1.74 | 0.55 | 0.27 | | |
| 820 | 840 | Roadway | 7,577 | 103 | 36 | 18 | 11.15 | 1.19 | 0.98 | 0.49 | | |
| 821 | 841 | Roadway | 8,300 | 106 | 37 | 19 | 11.15 | 1.20 | 1.01 | 0.52 | | |
| 829 | 849 | Roadway | 15,285 | 157 | 55 | 27 | 11.10 | 2.26 | 1.50 | 0.74 | | |
| 822 | 842 | Roadway | 15,300 | 196 | 69 | 34 | 14.58 | 1.26 | 1.88 | 0.93 | | |
| 823 | 843 | Roadway | 14,831 | 206 | 72 | 36 | 16.80 | 1.38 | 1.96 | 0.98 | | |
| 835 | 855 | Post Top | 5,176 | 60 | 21 | 11 | 16.53 | 2.28 | 0.57 | 0.30 | | |
| 824 | 844 | Post Top | 3,974 | 67 | 24 | 12 | 19.67 | 1.54 | 0.65 | 0.33 | | |
| 825 | 845 | Post Top | 6,030 | 99 | 35 | 17 | 20.51 | 1.56 | 0.95 | 0.46 | | |
| 836 | 856 | Post Top | 7,360 | 100 | 35 | 18 | 16.70 | 2.28 | 0.95 | 0.49 | | |
| 830 | 850 | Area-Lighter | 14,100 | 152 | 53 | 27 | 14.85 | 2.51 | 1.45 | 0.74 | | |
| 826 | 846 | Area-Lighter | 13,620 | 202 | 71 | 35 | 19.10 | 1.41 | 1.94 | 0.95 | | |
| 827 | 847 | Area-Lighter | 21,197 | 309 | 108 | 54 | 20.60 | 1.55 | 2.95 | 1.47 | | |
| 831 | 851 | Flood | 22,122 | 238 | 83 | 42 | 15.90 | 3.45 | 2.26 | 1.15 | | |
| 832 | 852 | Flood | 32,087 | 359 | 126 | 63 | 19.16 | 4.10 | 3.44 | 1.72 | | |
| 833 | 853 | Mongoose | 24,140 | 245 | 86 | 43 | 14.71 | 3.04 | 2.35 | 1.17 | | |
| 834 | 854 | Mongoose | 32,093 | 328 | 115 | 57 | 16.31 | 3.60 | 3.14 | 1.55 | | |

(1) Average

⁽²⁾ Average wattage. Actual wattage may vary by up to +/- 5 watts.

⁽³⁾ The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.727743¢ per kWh for each fixture.

Continued to Sheet No. 6.810

DATE EFFECTIVE: January 16, 2017

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TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 5 PAGE 17 OF 17 FILED: 12/14/2017





FOURTH FIFTH REVISED SHEET NO. 6.815 CANCELS THIRD FOURTH 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.

<u>MINIMUM CHARGE</u>: 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 2.727743¢ per kWh of metered usage, plus a Basic Service Charge of \$11.62 per month and the applicable additional charges as specified on Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.820

ISSUED BY: G. L. GilletteN. G. Tower, President



TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6

Clean Tariffs

Reflecting First SoBRA Base Revenue Increase

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6 PAGE 1 OF 17 FILED: 12/14/2017



TWENTY-THIRD REVISED SHEET NO. 6.030 CANCELS TWENTY-SECOND 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.

<u>LIMITATION OF SERVICE</u>: 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: \$16.62

Energy and Demand Charge: First 1,000 kWh All additional kWh

5.394¢ per kWh 6.394¢ per kWh

<u>MINIMUM CHARGE</u>: The Basic Service Charge.

FUEL CHARGE: See Sheet Nos. 6.020 and 6.021.

Continued to Sheet No. 6.031

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____(WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6 PAGE 2 OF 17 FILED: 12/14/2017



TWENTY-FOURTH REVISED SHEET NO. 6.050 CANCELS TWENTY-THIRD REVISED SHEET NO. 6.050

GENERAL SERVICE - NON DEMAND

SCHEDULE: GS

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: 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.

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

<u>LIMITATION OF SERVICE</u>: 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\$19.94Un-metered accounts\$16.62

Energy and Demand Charge: 5.691¢ per kWh

MINIMUM CHARGE: The Basic Service Charge.

EMERGENCY RELAY POWER SUPPLY CHARGE: The monthly charge for emergency relay power supply service shall be 0.167¢ 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

DATE EFFECTIVE:



TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6 PAGE 3 OF 17 FILED: 12/14/2017



TWENTY-THIRD REVISED SHEET NO. 6.080 CANCELS TWENTY-SECOND REVISED SHEET NO. 6.080

OPTIONAL

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.

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

<u>LIMITATION OF SERVICE</u>: 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

Basic Service Charge:

| Secondary Metering Voltage | \$ | 33.24 |
|----------------------------|-----|---------|
| Primary Metering Voltage | \$ | 144.03 |
| Subtrans. Metering Voltage | \$1 | ,096.82 |

Demand Charge:

\$10.74 per kW of billing demand

<u>Demand Charge:</u> \$0.00 per kW of billing demand

Basic Service Charge:

Secondary Metering Voltage \$

Primary Metering Voltage

Subtrans. Metering Voltage

Energy Charge:

1.754¢ per kWh

Energy Charge: 6.829¢ 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

33.24

\$ 144.03

\$1,096.82



TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6 PAGE 4 OF 17 FILED: 12/14/2017



EIGHTH REVISED SHEET NO. 6.082 CANCELS SEVENTH 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 0.226¢ per kWh will apply. A discount of 0.689¢ 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 66¢ per kW of billing demand for customers taking service under the standard rate and 0.167¢/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.


TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6 PAGE 5 OF 17 FILED: 12/14/2017



TWENTY-FIRST REVISED SHEET NO. 6.085 CANCELS TWENTIETH 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.

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

<u>LIMITATION OF SERVICE</u>: 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:

| Primary Metering Voltage | \$ 689.11 |
|----------------------------------|------------|
| Subtransmission Metering Voltage | \$2,627.94 |

<u>Demand Charge:</u> \$2.10 per KW of billing demand

Energy Charge: 2.774¢ per KWH



TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6 PAGE 6 OF 17 FILED: 12/14/2017



TWENTY-NINTH REVISED SHEET NO. 6.290 CANCELS TWENTY-EIGHTH REVISED SHEET NO. 6.290

CONSTRUCTION SERVICE

SCHEDULE: CS

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: 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: \$19.94

Energy and Demand Charge: 5.691¢ 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.

<u>MISCELLANEOUS</u>: 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.

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PAYMENT OF BILLS: See Sheet No. 6.022.

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TWENTY-THIRD REVISED SHEET NO. 6.320 CANCELS TWENTY-SECOND REVISED SHEET NO. 6.320

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

SCHEDULE: GST

AVAILABLE: Entire service area.

<u>APPLICABLE</u>: 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.

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

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

MONTHLY RATE:

Basic Service Charge: \$22.16

Energy and Demand Charge:

14.533¢ per kWh during peak hours 1.545¢ per kWh during off-peak hours

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TWENTY-FOURTH REVISED SHEET NO. 6.330 CANCELS TWENTY-THIRD 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.

<u>LIMITATION OF SERVICE</u>: 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 | \$ | 33.24 |
| Primary Metering Voltage | \$ | 144.03 |
| Subtransmission Metering Voltage | \$1 | ,096.82 |

Demand Charge:

\$3.63 per kW of billing demand, plus \$7.12 per kW of peak billing demand

Energy Charge:

3.211¢ per kWh during peak hours 1.159¢ per kWh during off-peak hours



TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6 PAGE 9 OF 17 FILED: 12/14/2017



TWENTY-FIRST REVISED SHEET NO. 6.340 CANCELS TWENTIETH 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.

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

<u>LIMITATION OF SERVICE</u>: 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 | \$ 6 | 689.11 |
|----------------------------------|-------------|--------|
| Subtransmission Metering Voltage | \$2,6 | 627.94 |

Demand Charge:

\$2.10 per KW of billing demand

Energy Charge:

2.774¢ per KWH



TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6 PAGE 10 OF 17 FILED: 12/14/2017



NINTH REVISED SHEET NO. 6.565 CANCELS EIGHTH REVISED SHEET NO. 6.565

Continued from Sheet No. 6.560

MONTHLY RATES:

Basic Service Charge: \$16.62

Energy and Demand Charges: 5.708¢ 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. | 1 P.M. to 6 P.M. | | | | | | |
| | | 6 P.M. to 11 P.M. | | | | | | | |
| Weekends | 11 P.M. to 6 A.M. | 6 A.M. to 11 P.M. | | | | | | | |
| November through April | P 1 | P ₂ | P3 | | | | | | |
| Weekdays | 11 P.M. to 5 A.M. | 5 A.M. to 6 A.M. | 6 A.M. to 10 A.M. | | | | | | |
| | | 10 A.M. to 11 P.M. | | | | | | | |
| Weekends | 11 P.M. to 6 A.M. | 6 A.M. to 11 P.M. | | | | | | | |
| The pricing periods for price | level P4 (Critical Cos | t Hours) shall be det | ermined at the sole | | | | | | |
| discretion of the Company. Le | discretion of the Company. Level P4 hours shall not exceed 134 hours per year. | | | | | | | | |
| Continued to Sheet No. 6.570 | | | | | | | | | |

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6 PAGE 11 OF 17 FILED: 12/14/2017



FOURTEENTH REVISED SHEET NO. 6.601 CANCELS THIRTEENTH REVISED SHEET NO. 6.601

Continued from Sheet No. 6.600

CHARGES FOR SUPPLEMENTAL SERVICE:

Demand Charge:

\$10.74

per kW-Month of Supplemental Billing Demand (Supplemental Billing Demand Charge)

Energy Charge:

1.754¢ 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.)

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

<u>Off-Peak Hours:</u> 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.

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ELEVENTH REVISED SHEET NO. 6.606 CANCELS TENTH REVISED SHEET NO. 6.606

Continued from Sheet No. 6.605

CHARGES FOR SUPPLEMENTAL SERVICE

Demand Charge:

\$3.63 per kW-Month of Supplemental Demand (Supplemental Billing Demand Charge), plus

per kW-Month of Supplemental Peak Demand (Supplemental Peak Billing \$7.12 Demand Charge)

Energy Charge:

- 3.211¢ per Supplemental kWh during peak hours
- 1.159¢ per Supplemental kWh during off-peak hours

April 1 - October 31

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.)

Peak Hours: (Monday-Friday)

November 1 - March 31 12:00 Noon - 9:00 PM 6:00 AM - 10:00 AM and 6:00 PM - 10:00 PM

All other weekday hours, and all hours on Saturdays, Sundays, New Off-Peak Hours: 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 30minute interval, during the month.

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NINTH REVISED SHEET NO. 6.700 CANCELS EIGHTH 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.

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

<u>LIMITATION OF SERVICE</u>: 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\$716.81Subtransmission Metering Voltage\$2,655.64

Demand Charge:

\$2.10 per KW-Month of Supplemental Demand (Supplemental Demand Charge) \$1.61 per KW-Month of Standby Demand (Local Facilities Reservation Charge)

plus the greater of:
\$1.33 per KW-Month of Standby Demand (Power Supply Reservation Charge); or
\$0.53 per KW-Day of Actual Standby Billing Demand (Power Supply Demand Charge)

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SEVENTH REVISED SHEET NO. 6.805 CANCELS SIXTH REVISED SHEET NO. 6.805

Continued from Sheet No. 6.800

MONTHLY RATE:

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

| | | | Lamp Size | | | Cł | narges pe | er Unit (\$) | | |
|--------------------|---------------|------------------------------|----------------------------------|--------------------------------|--------------------|---------------|-----------|--------------|--------------------|----------------------|
| Rate | Code | | | | kV | Vh | | | Base E | nergy ⁽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 2.743¢ per kWh for each fixture.

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6 PAGE 15 OF 17 FILED: 12/14/2017



FIFTH REVISED SHEET NO. 6.806 CANCELS FOURTH REVISED SHEET NO. 6.806

Continued from Sheet No. 6.805

MONTHLY RATE:

Metal Halide Fixture, Maintenance, and Base Energy Charges:

| | | | | Charges per Unit (\$) | | | | | | |
|------------|---------------|---------------------------|----------------------------------|--------------------------------|------------|---------------|---------|--------|------------|----------------------|
| Rate Code | | | | | kV | kWh | | | Base E | nergy ⁽⁴⁾ |
| Dusk | | | | | Dusk | | | | Dusk | |
| to Dawn | Timed Svc. | Description | Initial Lumens ⁽²⁾ | Lamp Wattage ⁽³⁾ | to Dawn | Timed Svc. | Fixture | Maint. | 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 2.743¢ per kWh for each fixture.

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FIFTH REVISED SHEET NO. 6.808 CANCELS FOURTH REVISED SHEET NO. 6.808

Continued from Sheet No. 6.806

MONTHLY RATE:

LED Fixture, Maintenance, and Base Energy Charges:

| | | | Size | | | | Charges per Unit (\$) | | | |
|--------------------|---------------|--------------|----------------------------------|--------------------------------|--------------------|--------------------|-----------------------|-------------|--------------------|----------------------|
| Rate Code | | | | | kW | kWh ⁽¹⁾ | | | Base E | nergy ⁽³⁾ |
| Dusk to Dawn | Timed Svc. | Description | Initial Lumens ⁽¹⁾ | Lamp Wattage ⁽²⁾ | Dusk to Dawn | Timed Svc. | Fixture | Maintenance | Dusk to Dawn | Timed Svc. |
| 828 | 848 | Roadway | 5,155 | 56 | 20 | 10 | 7.27 | 1.74 | 0.55 | 0.27 |
| 820 | 840 | Roadway | 7,577 | 103 | 36 | 18 | 11.15 | 1.19 | 0.98 | 0.49 |
| 821 | 841 | Roadway | 8,300 | 106 | 37 | 19 | 11.15 | 1.20 | 1.01 | 0.52 |
| 829 | 849 | Roadway | 15,285 | 157 | 55 | 27 | 11.10 | 2.26 | 1.50 | 0.74 |
| 822 | 842 | Roadway | 15,300 | 196 | 69 | 34 | 14.58 | 1.26 | 1.88 | 0.93 |
| 823 | 843 | Roadway | 14,831 | 206 | 72 | 36 | 16.80 | 1.38 | 1.96 | 0.98 |
| 835 | 855 | Post Top | 5,176 | 60 | 21 | 11 | 16.53 | 2.28 | 0.57 | 0.30 |
| 824 | 844 | Post Top | 3,974 | 67 | 24 | 12 | 19.67 | 1.54 | 0.65 | 0.33 |
| 825 | 845 | Post Top | 6,030 | 99 | 35 | 17 | 20.51 | 1.56 | 0.95 | 0.46 |
| 836 | 856 | Post Top | 7,360 | 100 | 35 | 18 | 16.70 | 2.28 | 0.95 | 0.49 |
| 830 | 850 | Area-Lighter | 14,100 | 152 | 53 | 27 | 14.85 | 2.51 | 1.45 | 0.74 |
| 826 | 846 | Area-Lighter | 13,620 | 202 | 71 | 35 | 19.10 | 1.41 | 1.94 | 0.95 |
| 827 | 847 | Area-Lighter | 21,197 | 309 | 108 | 54 | 20.60 | 1.55 | 2.95 | 1.47 |
| 831 | 851 | Flood | 22,122 | 238 | 83 | 42 | 15.90 | 3.45 | 2.26 | 1.15 |
| 832 | 852 | Flood | 32,087 | 359 | 126 | 63 | 19.16 | 4.10 | 3.44 | 1.72 |
| 833 | 853 | Mongoose | 24,140 | 245 | 86 | 43 | 14.71 | 3.04 | 2.35 | 1.17 |
| 834 | 854 | Mongoose | 32,093 | 328 | 115 | 57 | 16.31 | 3.60 | 3.14 | 1.55 |

(1) Average

⁽²⁾ Average wattage. Actual wattage may vary by up to +/- 5 watts.
 ⁽³⁾ The Base Energy charges are calculated by multiplying the kWh times the lighting base energy rate of 2.743¢ per kWh for each fixture.

Continued to Sheet No. 6.810

DATE EFFECTIVE:

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____-EI EXHIBIT NO. ____ (WRA-1) WITNESS: ASHBURN DOCUMENT NO. 6 PAGE 17 OF 17 FILED: 12/14/2017



FIFTH REVISED SHEET NO. 6.815 CANCELS FOURTH 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 2.743¢ per kWh of metered usage, plus a Basic Service Charge of \$11.62 per month and the applicable additional charges as specified on Sheet Nos. 6.020 and 6.021.



BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

DOCKET NO. 2017 -EI IN RE: PETITION BY TAMPA ELECTRIC COMPANY FOR A LIMITED PROCEEDING TO APPROVE FIRST SOBRA EFFECTIVE SEPTEMBER 1, 2018

PREPARED DIRECT TESTIMONY AND EXHIBIT

OF

MARK D. WARD

TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI FILED: 12/14/2017

| 1 | | BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION |
|----|----|---|
| 2 | | PREPARED DIRECT TESTIMONY |
| 3 | | OF |
| 4 | | MARK D. WARD |
| 5 | | |
| 6 | Q. | Please state your name, address, occupation and employer. |
| 7 | | |
| 8 | А. | My name is Mark D. Ward. My business address is 702 N. |
| 9 | | Franklin Street, Tampa, Florida 33602. I am employed by |
| 10 | | Tampa Electric Company ("Tampa Electric" or "company") as |
| 11 | | Director of Renewables. |
| 12 | | |
| 13 | Q. | Please provide a brief outline of your educational |
| 14 | | background and business experience. |
| 15 | | |
| 16 | Α. | I earned a Bachelor of Science in Mechanical Engineering |
| 17 | | from University of Alabama in Huntsville in 1984. I have |
| 18 | | 33 years of combined professional experience as a |
| 19 | | Department of Defense contractor, and working for public |
| 20 | | utilities and independent power producers. Twenty-one |
| 21 | | years of my experience has been with electric utilities |
| 22 | | and independent power producers. |
| 23 | | |
| 24 | | I worked for Tampa Electric from 1996 to 2001 where I |
| 25 | | served as Manager of Generation Planning and provided |
| | 1 | |

support for the development of 1 management Tampa 2 Electric's Bayside Power project. From 2001 to 2007 I served in mid- to senior level management positions at 3 various companies involved in the power industry. These 4 5 companies included; Entergy Asset Management, an unregulated subsidiary of Entergy, the Shaw Group, 6 an engineering and construction firm, and TXU, a regulated 7 electric utility. From 2007 to 2014 I served as President 8 of the Mesa Power Group. Mesa Power was a renewable 9 energy developer with a primary focus in large scale wind 10 11 development. From 2014 to 2016 I managed an energy consulting practice with clients primarily in solar, wind 12 and combined heat and power. 13

I was re-hired by Tampa Electric in December 2016 as 15 16 Director of Renewables. My responsibilities in this position include management oversight with respect to 17 Tampa Electric's renewable energy strategies 18 and projects. This includes the execution of Tampa Electric's 19 600 MW of utility scale solar projects described in the 20 2017 Amended and Restated Stipulation and Settlement 21 Agreement ("2017 Agreement") that was approved by the 22 23 Commission in Order No. PSC-2017-0456-S-EI, issued in Docket Nos. 20170210-EI and 20160160-EI on November 27, 24 2017. 25

14

| 1 | Q. | Have you previously testified before the Commission? |
|----|----|--|
| 2 | | |
| 3 | А. | Yes. I submitted direct and rebuttal testimony on behalf |
| 4 | | of Tampa Electric in Docket No. 19981890-EI (In re: |
| 5 | | Generic Investigation into Aggregate Electric Utility |
| б | | Reserve Margins Planned for Peninsular Florida). I |
| 7 | | submitted direct and rebuttal testimony on behalf of Tampa |
| 8 | | Electric on the prudency of replacement fuel and purchased |
| 9 | | power costs in Docket No. 19990001-EI (In re: Fuel and |
| 10 | | Purchased Power Cost Recovery Clause and Generating |
| 11 | | Performance Incentive Factor). I submitted direct |
| 12 | | testimony on behalf of Tampa Electric regarding the Gannon |
| 13 | | Repowering Project in Docket No. 19992014-EI (In re: |
| 14 | | Petition by Tampa Electric Company to Bring Generating |
| 15 | | Units into Compliance with Clean Air Act). |
| 16 | | |
| 17 | | In addition, while working for Mesa Power Group, LLC, I |
| 18 | | submitted direct testimony before the Minnesota Public |
| 19 | | Utilities Commission on behalf of AWA Goodhue, LLC in |
| 20 | | MPUC Docket No. IP6701/WS-08-1233 (In the matter of the |
| 21 | | Application by AWA Goodhue Wind, LLC for a Site Permit |
| 22 | | for a Large Wind Energy Conversion System for a 78 MW |
| 23 | | Wind Project in Goodhue County). |
| 24 | | |
| 25 | | I also served as a member of a panel of witnesses during |

the November 6, 2017 hearing on the 2017 Agreement. 1 2 3 Q. What are the purposes of your direct testimony? 4 5 Α. The purpose of my direct testimony is to: (1) explain the company's plans to build solar photovoltaic generating б facilities to serve its customers; (2) describe the 7 company's first two new solar projects ("Tranche One 8 Projects") expected to be in service by September 1, 2018; 9 and (3) demonstrate that the projected installed costs 10 11 for the two Tranche One Projects are below the \$1,500 per kilowatt alternating current ("kWac") installed cost cap 12 contained in the 2017 Agreement. 13 14 Have you prepared an exhibit to support your direct 15 0. 16 testimony? 17 Exhibit No. _____ (MDW-1) was prepared under my 18 Α. Yes. direction and supervision. It consists of the following 19 six documents: 20 21 Document No. 1 Solar 22 Payne Creek Project 23 Specifications Document No. 2 Solar Payne Creek Project 24 25 General Arrangement Drawing

| 1 | 1 | | | | | | |
|----|----|---------------------------|------------|---------|----------------------|---------|------|
| 1 | | Document No. 3 | Payne | Creek | Solar | Proj | iect |
| 2 | | | Projecte | ed In | stalled | Cost | by |
| 3 | | | Category | 7 | | | |
| 4 | | Document No. 4 | Balm | So | lar | Pro | ject |
| 5 | | | Specific | cations | 5 | | |
| 6 | | Document No. 5 | Balm S | olar | Project | Gene | eral |
| 7 | | | Arrangem | nent Dr | rawing | | |
| 8 | | Document No. 6 | Balm Sc | olar H | Project | Projec | ted |
| 9 | | | Installe | ed Cost | by Cate | egory | |
| 10 | | | | | | | |
| 11 | Q. | How does your prepared | direct t | cestimo | ony relat | te to | the |
| 12 | | prepared direct testime | ony of th | he con | npany's | other | two |
| 13 | | witnesses? | | | | | |
| 14 | | | | | | | |
| 15 | А. | My prepared direct test | imony des | scribes | s the tw | o Tran | iche |
| 16 | | One Projects (Payne Cree | k Solar a | nd Balı | m Solar) | for wh | lich |
| 17 | | cost recovery is request | ed via th | ne comp | pany's Fi | irst Sc | lar |
| 18 | | Base Rate Adjustment ("Se | oBRA") as | well a | as their | projec | ted |
| 19 | | in-service dates and i | nstalled | cost | per KW _{ac} | . Та | mpa |
| 20 | | Electric witness R. Ja | ames Roc | ha us | es the | projec | ted |
| 21 | | installed project cost ir | n my direc | t test | imony to | calcul | ate |
| 22 | | the annual revenue requi | rement fo | or the | First Sc | BRA. | The |
| 23 | | company's cost of service | e and rate | e desig | n witnes: | s, Will | iam |
| 24 | | R. Ashburn, uses the annu | al revenu | le requ | irement | to deve | elop |
| 25 | | the proposed customer ra | tes for t | he Fir | st Sobra | Δ. | |
| | | | | | | | |

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Tampa Electric's Solar Plans

Q. Please describe the company's overall plan to install
solar photovoltaic ("PV") generating facilities.
A. Over the next four years, Tampa Electric plans to add 6

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 (6) percent of Tampa Electric's energy will come from the sun.

14 These solar additions are а continuation of Tampa Electric's longstanding commitment to clean energy. 15 The 16 company has long believed in the promise of renewable energy because it plays an important role in our energy future. As 17 a member of the Emera family, Tampa Electric is committed 18 to transitioning its power generation to lower carbon 19 are cost-effective 20 emissions with projects that for 21 customers.

The 600 MW of cost-effective solar PV will be added to the company's generating fleet in four tranches. The company plans 150 MW of PV solar generation with an in-

service date of September 1, 2018, another 250 MW in 1 service as of January 1, 2019, another 150 MW in service 2 by January 1, 2020 and 50 MW in service by January 1, 3 2021. 4 5 The focus of my direct testimony is the company's planned 6 first tranche, which consists of two projects totaling 7 145 MW with a projected in-service date of September 1, 8 2018. 9 10 Tranche One Projects: Payne Creek Solar and Balm Solar Projects 11 Please describe the two Tranche One Projects. 12 0. 13 14 Α. The two projects in Tranche One are known as the Payne Creek Solar and Balm Solar Projects. The projects are 15 16 single axis tracking systems, each designed to produce optimal MW of energy for the particular site conditions. 17 The 70.3 MW Payne Creek Solar Project is located in Polk 18 County, Florida on reclaimed phosphate mining land. 19 The 74.4 MW Balm Solar Project is located in Hillsborough 20 County, Florida on agricultural land. Exhibit 21 My No.____(MDW-1) contains project specifications, a general 22 23 arrangement drawing and projected installed costs in total and by category for each project. 24

25

| | 1 | |
|----|----|--|
| 1 | Q. | When does the company expect the Tranche One Projects to |
| 2 | | begin commercial service? |
| 3 | | |
| 4 | A. | Based on the current engineering, procurement and |
| 5 | | construction ("EPC") schedules, the company expects both |
| б | | projects to be complete and in service on or before |
| 7 | | September 1, 2018. |
| 8 | | |
| 9 | Q. | What arrangements has the company made to design and build |
| 10 | | the Tranche One Projects? |
| 11 | | |
| 12 | А. | The company used a competitive process to review |
| 13 | | qualifications and experience and identify and select |
| 14 | | full-service solar developers. Three full-service solar |
| 15 | | developers were selected to enter into contract |
| 16 | | negotiations to provide project development and EPC |
| 17 | | services for the 600 MW of Tampa Electric solar projects. |
| 18 | | |
| 19 | | Tampa Electric employed a Request for Information ("RFI") |
| 20 | | process to collect information from the bidders with |
| 21 | | respect to their qualifications, capabilities and |
| 22 | | experience as full-service solar developers. The RFI was |
| 23 | | provided to more than 60 companies with whom Tampa |
| 24 | | Electric had met or discussed the development and |
| 25 | | 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.

1

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The shortlisted developers were asked to provide pricing 6 for seven solar PV projects that ranged in size from 20 7 to 74.5 MW_{AC} . The pricing information was broken out for 8 engineering and permitting, equipment, balance of system, 9 installation and interconnection. The projects were based 10 11 on sites that Tampa Electric has purchased or for which it has site control. During the pricing phase of the 12 selection process one developer withdrew. The pricing 13 14 evaluation was conducted during May 2017 and included interviews with each developer. 15

In early June 2017, Tampa Electric selected First Solar 17 Electric, LLC as its full-service solar developer and EPC 18 contractor for the Tranche One projects. First Solar 19 20 Electric was selected based on its qualifications, experience and proposed project costs. First Solar 21 Electric is based in Tempe, Arizona and has engineered, 22 23 developed and installed more than five (5) gigawatts of solar generation worldwide. 24

| | 1 | |
|----|----|---|
| 1 | Q. | Has the company procured the land necessary for the solar |
| 2 | | projects? |
| 3 | | |
| 4 | Α. | Yes, Tampa Electric has purchased land for the two |
| 5 | | projects. Tampa Electric employed a screening and due |
| 6 | | diligence process to select its solar sites. The Payne |
| 7 | | Creek and Balm sites were evaluated and selected after |
| 8 | | considering environmental assessments, size of the |
| 9 | | project sites, proximity to Tampa Electric transmission |
| 10 | | facilities, cost of land, and suitability of the sites |
| 11 | | for solar PV construction. The two sites are each |
| 12 | | approximately 500 acres in size. |
| 13 | | |
| 14 | Q. | What is the status of project design and engineering for |
| 15 | | the Tranche One Projects? |
| 16 | | |
| 17 | A. | The Payne Creek and Balm projects are being engineered |
| 18 | | and designed, with documentation and permit applications |
| 19 | | being completed. Long lead time equipment is being |
| 20 | | procured, and meetings are being scheduled and held with |
| 21 | | Hillsborough and Polk Counties and the Florida Department |
| 22 | | of Environmental Protection. The company expects design |
| 23 | | and permitting for the projects to be complete in early |
| 24 | | 2018. |
| 25 | | |

| | 1 | |
|----|----|--|
| 1 | Q. | Has the company purchased PV modules necessary to |
| 2 | | construct the projects? |
| 3 | | |
| 4 | А. | Yes. The company has entered into a contract for the |
| 5 | | purchase of PV modules (i.e., solar panels) from First |
| 6 | | Solar, Inc. First Solar is obligated to complete the |
| 7 | | delivery of the modules needed for the Payne Creek Solar |
| 8 | | and Balm Solar Projects before August 6, 2018. The |
| 9 | | delivery of modules to the projects will be staged over |
| 10 | | several weeks between May 2018 and August 6, 2018 to |
| 11 | | ensure the projects are operational by September 1, 2018. |
| 12 | | |
| 13 | Q. | What other procedures did the company use to ensure that |
| 14 | | the costs of the projects are reasonable? |
| 15 | | |
| 16 | А. | Tampa Electric's primary procedure used to ensure that |
| 17 | | the costs of the projects are reasonable was the RFI |
| 18 | | process. The four shortlisted candidates were selected |
| 19 | | from the 30 respondents to the RFI. Each of the four |
| 20 | | candidates were provided several sites that Tampa |
| 21 | | Electric had purchased or controlled and were asked to |
| 22 | | provide proposals for the specific sites. The proposals |
| 23 | | were reviewed, and meetings were held with the candidates. |
| 24 | | The cost proposals submitted by the candidates for Payne |
| 25 | | Creek and Balm were within five and seven percent of one |
| | I | |

| | 1 | |
|----|----|---|
| 1 | | another, respectively. |
| 2 | | |
| 3 | | Tampa Electric also monitors published costs of other |
| 4 | | projects, particularly those in Florida. The Tampa |
| 5 | | Electric project costs compare favorably to the costs of |
| б | | those projects. Lastly, Tampa Electric occasionally |
| 7 | | receives unsolicited proposals from developers. The |
| 8 | | company's solar projects compare favorably to these |
| 9 | | proposals. |
| 10 | | |
| 11 | Q. | Are the costs of the solar modules to be used in the |
| 12 | | Tranche One projects subject to increase from tariffs or |
| 13 | | import duties? |
| 14 | | |
| 15 | А. | No. In a recent Section 201 Trade Case, the United States |
| 16 | | International Trade Commission found that solar module |
| 17 | | manufacturers Suniva and SolarWorld suffered economic |
| 18 | | injury by solar modules from overseas, which could result |
| 19 | | in the future imposition of tariffs or import duties on |
| 20 | | certain solar modules manufactured outside the United |
| 21 | | States. Tampa Electric has mitigated its exposure to |
| 22 | | this potential cost increase by executing a module |
| 23 | | purchase agreement with U.S. manufacturer First Solar, |
| 24 | | Inc. for 600 MW of modules at prices that are competitive |
| 25 | | with module prices prior to the Suniva filing. This will |
| | | |

| | 1 | |
|----|------|--|
| 1 | | ensure that Tampa Electric's Tranche One projects are |
| 2 | | competitive, even if the Suniva Section 201 Trade Case |
| 3 | | results in the imposition of tariffs or import duties. |
| 4 | | |
| 5 | Proj | ected Installed Costs |
| 6 | Q. | What are the projected installed costs for the Tranche |
| 7 | | One Projects? |
| 8 | | |
| 9 | А. | The projected installed costs of the Payne Creek and Balm |
| 10 | | Solar Projects are $$1,324$ kW _{ac} and $$1,480$ kW _{ac} , |
| 11 | | respectively. |
| 12 | | |
| 13 | Q. | What costs were included in these projections? |
| 14 | | |
| 15 | А. | The projected total installed cost broken down by major |
| 16 | | category for the Tranche One Projects are shown on Document |
| 17 | | Nos. 3 and 6 of my exhibit. |
| 18 | | |
| 19 | | The projected costs shown in my exhibit reflect the |
| 20 | | company's best estimate of the cost of the projects; they |
| 21 | | include the types of costs that traditionally have been |
| 22 | | allowed in rate base and are eligible for cost recovery via |
| 23 | | a SoBRA. These costs include: EPC costs; development costs |
| 24 | | including third party development fees, if any; permitting |
| 25 | | and land acquisition costs; taxes; utility costs to support |
| | | |

| | 1 | | | | | | | |
|----|----|---|--|--|--|--|--|--|
| 1 | | or complete development; transmission interconnection cost | | | | | | |
| 2 | | and equipment costs; costs associated with electrical | | | | | | |
| 3 | | balance of system, structural balance of system, inverters | | | | | | |
| 4 | | and modules; Allowance for Funds Used During Construction | | | | | | |
| 5 | | ("AFUDC") at the weighted average cost of capital from | | | | | | |
| 6 | | Exhibit B of the 2017 Agreement; and other traditionally | | | | | | |
| 7 | | allowed rate base costs. | | | | | | |
| 8 | | | | | | | | |
| 9 | Q. | How were the projected cost amounts in your exhibit | | | | | | |
| 10 | | developed? | | | | | | |
| 11 | | | | | | | | |
| 12 | Α. | Tampa Electric has worked continuously with the developer | | | | | | |
| 13 | | to develop the all-in-cost for the Tranche One projects | | | | | | |
| 14 | | while also maximizing cost-effectiveness. It has been an | | | | | | |
| 15 | | iterative approach to develop project costs as site due | | | | | | |
| 16 | | diligence and engineering and design have been conducted. | | | | | | |
| 17 | | This includes negotiating and executing the module supply | | | | | | |
| 18 | | agreement, reviewing equipment specifications and pricing, | | | | | | |
| 19 | | reviewing the scope of work and balance of system costs, | | | | | | |
| 20 | | and acquiring land and cost estimates to engineer, permit | | | | | | |
| 21 | | and construct the projects. | | | | | | |
| 22 | | | | | | | | |
| 23 | Q. | Are the projected installed costs shown in your exhibit | | | | | | |
| 24 | | eligible for cost recovery via a SoBRA pursuant to the 2017 | | | | | | |
| 25 | | Agreement? | | | | | | |

| 1 | А. | Yes. The SoBRA mechanism in the 2017 Agreement includes a | | | | | | |
|----|------|---|--|--|--|--|--|--|
| 2 | | strict cost-effectiveness test and a \$1,500 per $k \mathtt{W}_{\mathtt{ac}}$ | | | | | | |
| 3 | | installed cost cap to protect customers. The projected | | | | | | |
| 4 | | installed costs shown in my exhibit are lower than the | | | | | | |
| 5 | | 1,500 per kW _{ac} installed cost cap, so the first test for | | | | | | |
| б | | cost recovery under the 2017 Agreement has been met. | | | | | | |
| 7 | | Witness Rocha demonstrates that the two projects are cost- | | | | | | |
| 8 | | effective in his direct testimony. | | | | | | |
| 9 | | | | | | | | |
| 10 | | The actual installed costs will be trued up through the | | | | | | |
| 11 | | SoBRA mechanism once the projects are complete and the work | | | | | | |
| 12 | | orders have been closed. | | | | | | |
| 13 | | | | | | | | |
| 14 | Summ | ary | | | | | | |
| 15 | Q. | Please summarize your direct testimony. | | | | | | |
| 16 | | | | | | | | |
| 17 | A. | Tampa Electric is developing two single axis tracking | | | | | | |
| 18 | | solar PV projects for an in-service date of September 1, | | | | | | |
| 19 | | 2018. The Payne Creek Solar site is located in Polk | | | | | | |
| 20 | | County, Florida, and the Balm Solar site is located in | | | | | | |
| 21 | | Hillsborough County, Florida. Each site is approximately | | | | | | |
| 22 | | 500 acres and will support a 70.3 to 74.4 MW project. The | | | | | | |
| 23 | | anticipated cost for each project will range from \$1,324 | | | | | | |
| 24 | | /kW _{ac} to \$1,480 /kW _{ac} . | | | | | | |
| 25 | | | | | | | | |

| 1 | Q. | Does | this | conclude | your | prepared | direct | testimony? |
|----|----|------|-------|----------|------|----------|--------|------------|
| 2 | | | | | | | | |
| 3 | A. | Yes, | it do | bes. | | | | |
| 4 | | | | | | | | |
| 5 | | | | | | | | |
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| TAMPA ELECI | RIC CC | MPANY |
|-------------|--------|---------|
| DOCKET NO. | 2017 | EI |
| EXHIBIT NO. | | (MDW-1) |

EXHIBIT

OF

MARK D. WARD

| TAMPA ELECTRI | C COMPANY |
|----------------|-----------|
| DOCKET NO. 202 | 17EI |
| EXHIBIT NO | (MDW-1) |

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| Payne Creek Solar Project Specifications | | | | | | |
|---|---|--|--|--|--|--|
| Specifications of Proposed Solar PV Generating Facilities | | | | | | |
| (1) (2) (3) | Plant Name and Unit Number Net Capability Technology Type | Payne Creek Solar 70.3 MW _{ac} Single Axis Tracking | | | | |
| (4) | Anticipated Construction Timing | | | | | |
| | A. Field Construction Start Date B. Commercial In-Service Date | July 2017 September 2018 | | | | |
| (5) | Fuei A. Primary Fuel B. Alternate Fuel | Solar N/A | | | | |
| (6) | Air Pollution Control Strategy | N/A | | | | |
| (7) | Cooling Method | N/A | | | | |
| (8) | Total Site Area | +500 Acres | | | | |
| (9) | Construction Status | Planned | | | | |
| (10) | Certification Status | N/A | | | | |
| (11) | Status with Federal Agencies | N/A | | | | |
| (12) | Projected Unit Performance Data | | | | | |
| (13) | Planned Outage Factor (POF) Forced Outage Factor (FOF) Equivalent Availability Factor (EAF) Resulting Capacity Factor (2018) Average Net Operating Heat Rate (ANOHR) ¹ Projected Unit Financial Data | 0.0 0.0 N/A 26.3 N/A | | | | |
| | Book Life (Years) Total Installed Cost (In-Service Year \$/kW) ¹ Direct Construction Cost (\$/kW) AFUDC Amount (\$/kW) ² Escalation (\$/kW) Fixed O&M (\$/kW – yr) Variable O&M (\$/MWh) K-Factor ³ | 30 1,324 1,293 31 N/A 7.16 0.0 1.13 | | | | |

1 Includes interconnect, AFUDC, land, w/o incentive

2 Based on the current AFUDC rate of 6.46%

3 W/o land

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Payne Creek Solar Project General Arrangement Drawing



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Payne Creek Solar Project Projected Installed Cost by Category

| Payne Creek Solar Estimated Costs (\$) | | |
|--|------------|--|
| Project Output (MW-ac) | 70.3 | |
| Modules | 30,827,672 | |
| Major Equipment | 23,811,685 | |
| Balance of System | 28,417,389 | |
| Development | 1,593,623 | |
| Transmission Interconnect | 4,400,000 | |
| Land | 1,408,400 | |
| Owners Costs | 419,383 | |
| Total Installed Cost (\$) | 90,878,151 | |
| AFUDC (\$) | 2,195,318 | |
| Total All-in-Cost (\$) | 93,073,469 | |
| Total (\$/kW-ac) | 1,324 | |

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| Balm Solar Project Specifications | | | |
|---|---|-----------------------|--|
| Specifications of Proposed Solar PV Generating Facilities | | | |
| (1) | Plant Name and Unit Number | Balm Solar | |
| (2) | Net Capability | 74.4 MW _{ac} | |
| (3) | Technology Type | Single Axis | |
| () | | Tracking Solar PV | |
| (4) | Anticipated Construction Timing | | |
| | A. Field Construction Start Date | July 2017 | |
| (5) | B. Commercial In-Service Date | September 2018 | |
| (5) | | N1/A | |
| | A. Primary Fuel | N/A | |
| (6) | Air Pollution Control Strategy | N/A N/A | |
| (0) (7) | Cooling Method | N/A | |
| (8) | Total Site Area | +544 Acres | |
| (9) | Construction Status | N/A | |
| (10) | Certification Status | N/A | |
| (11) | Status with Federal Agencies | N/A | |
| (12) | Projected Unit Performance Data | | |
| | Planned Outage Factor (POF) | 0.0 | |
| | Forced Outage Factor (FOF) | 0.0 | |
| | Equivalent Availability Factor (EAF) | N/A | |
| | Average Net Operating Heat Pate (ANOHP) | 20.3 N/A | |
| (4.0) | | IN/A | |
| (13) | Projected Unit Financial Data | 20 | |
| | Total Installed Cost (In-Service Year \$/kW) ¹ | 30 1 480 | |
| | Direct Construction Cost (\$/kW) | 1,450 | |
| | AFUDC Amount (\$/kW) ² | 29 | |
| | Escalation (\$/kW) | N/A | |
| | Fixed O&M (\$/kW – yr) | 7.16 | |
| | Variable O&M (\$/MWh) | 0.0 | |
| | K-Factor ° | 1.14 | |

1 Includes interconnect, AFUDC, land w/o incentive

2 Based on the current AFUDC rate of 6.46%

3 W/o land
TAMPA ELECTRIC COMPANY DOCKET NO. 2017_____EI EXHIBIT NO. _____ (MDW-1) DOCUMENT NO. 5 PAGE 1 OF 1 FILED: 12/14/2017

Balm Solar Project General Arrangement Drawing



TAMPA ELECTRIC COMPANY DOCKET NO. 2017____EI EXHIBIT NO.____ (MDW-1) DOCUMENT NO. 6 PAGE 1 OF 1 FILED: 12/14/2017

Balm Solar Project Projected Installed Cost by Category

| Balm Solar Estimated Costs (\$) | |
|---------------------------------|-------------|
| Project Output (MW-ac) | 74.4 |
| Modules | 29,263,256 |
| Major Equipment | 25,206,219 |
| Balance of System | 30,081,657 |
| Development | 1,686,953 |
| Transmission Interconnect | 2,500,000 |
| Land | 18,720,128 |
| Owners Costs | 443,970 |
| Total Installed Cost (\$) | 107,902,183 |
| AFUDC (\$) | 2,188,259 |
| Total All-in-Cost (\$) | 110,090,442 |
| Total (\$/kW-ac) | 1,480 |