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December 30, 2021

BY E-PORTAL

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

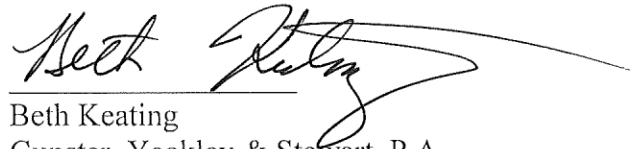
**Re: [New Docket]- In re: Petition of Florida Public Utilities Company (Electric Division)
for Approval of Tariff Modifications to Lighting Tariff**

Dear Mr. Teitzman:

Attached for electronic filing, please find the Petition of Florida Public Utilities Company for Approval of Tariff Modifications to the Company's Lighting Tariff. Included with the Petition, as Exhibit B, are revised Tariff Sheet Nos. 56, 57, and 58, which reflect the changes for which the Company seeks approval.

As always, thank you for your assistance in connection with this filing. If you have any questions whatsoever, please do not hesitate to let me know.

Sincerely,



Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 South Monroe St., Suite 601
Tallahassee, FL 32301
(850) 521-1706

Cc:// Office of Public Counsel (Christensen)

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition of Florida Public Utilities Company Electric Division for Approval of Tariff Modifications to Lighting Tariff | DOCKET NO.
| DATED: December 30, 2021

PETITION OF FLORIDA PUBLIC UTILITIES COMPANY TO MODIFY TARIFF TO CLOSE EXISTING LIGHTING TARIFF TO NEW BUSINESS AND INTRODUCE NEW LED LIGHTING TARIFF

Florida Public Utilities Company, (herein "FPUC" or "Company"), by and through undersigned counsel, and pursuant to Sections 366.04, 366.05 and 366.06, Florida Statutes ("F.S."), and Rule 25-6.033, Florida Administrative Code ("F.A.C."), hereby respectfully submit this Petition requesting Florida Public Service Commission ("Commission" of "FPSC") approval of modifications to its Lighting Tariff. In further support of this request, the Company hereby states:

1. FPUC is an electric utility company subject to the Commission's jurisdiction under Chapter 366, Florida Statutes. The principal business address is:

Florida Public Utilities Company
208 Wildlight Avenue,
Yulee, FL 32097

2. All communications and correspondence concerning this matter should be sent to the following persons at the addresses stated below:

Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 South Monroe St., Suite 601
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BACKGROUND

3. Outdoor lighting serves the purpose of improving visibility, safety, and security, particularly during nighttime hours. For decades, the market for outdoor general lighting was traditionally dominated by High Intensity Discharge (HID) technologies: high pressure sodium (HPS) and metal halide (MH), as these were once revered as the most efficient and best performing lighting sources, respectively. However, in recent years, the market demand for HPS and MH lamps drastically declined as the focus shifted to more durable and energy efficient alternatives, such as Light Emitting Diode (LED). An LED is a type of solid-state light source that converts electric currents into visible light via a semiconductor. First commercialized in the 1960s as indicator lights, LED technology has significantly evolved over the last two decades to meet and subsequently exceed traditional lighting technology in terms of savings, performance, efficiency, and quality. For these reasons, utilization of LEDs has rapidly grown across the general lighting market, especially in outdoor applications. According to the U.S. Department of Energy (DOE), LEDs currently account for more than 50 percent of outdoor lighting applications¹ and are expected to claim nearly 100 percent of the market by 2035.²

4. Conventional HID outdoor lighting systems consume a considerable amount of energy and can be expensive due to long operating hours and high wattage requirements. As these lights degrade over time, the power consumption continuously increases until a maximum voltage is reached and the lamp eventually fails. LEDs, on the other hand, can significantly reduce the energy consumed and costs over the life of the system without sacrificing lumen output. According to the 2016 DOE's Caliper Snapshot, "some LED products offer the same amount of lumen output

¹ U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy. *Adoption of Light-Emitting Diodes in Common Lighting Applications*. August 2020.

² U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy. *Energy Savings Forecast of Solid-State Lighting in General Illumination Applications*. December 2019.

for one-third of the power consumed by an HPS-based luminaire”.³ LEDs use thermal management components, such as heat sinks, to sustain LEDs operating at ambient temperatures for the purpose of prolonging service life and preventing core temperatures from rising to the point of heat failure and/or premature color shifting.⁴ Additionally, the life span of an LED can be more than three times that of a HID lighting sources, which can significantly reduce maintenance, replacements, and operating costs¹. These cost savings are usually substantial enough to recover any cost premiums associated with the initial purchase of LED lighting and results in the lowest total costs of ownership.⁵

5. In addition to these cost and energy savings, manufacturers, such as Lumec, have declared LEDs provide a better lighting experience than traditional light sources. Lumec stated its “RoadFocus LED luminaires offer more than an energy-efficient upgrade from traditional roadway lighting – they provide confident solutions to help enhance liveability in your city or town”.⁶ In general, LEDs provide more uniform lighting distribution in a wide range of colors, from warm yellows to cool whites, with high color rendering that improve visibility and provide a sense of safety.⁵ Unlike traditional lighting that must be warmed up before each use, LEDs can be powered on and off instantly at full brightness and dimmed to the desired level of illumination.⁷ These attributes work well with smart lighting systems, photocells, and motion sensors to add an extra layer of security, control, and cost savings. FPUC could potentially utilize a Networked Lighting Controller in the future to remotely control and communicate with LED fixtures for detection of

³ U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy. *CALiPER Snapshot Outdoor Area Lighting*. September 2017.

⁴ Electrolube. *Thermal Management of LEDs: Looking Beyond Thermal Conductivity Values*. January 2018.

⁵ U.S. Department of Energy, Better Building. *Outdoor Lighting Challenges and Solution Pathways*. March 2016.

⁶ Lumec by Signify. *Redefining confidence, Roadway, RoadFocus*. October 2020.

⁷ International Dark-Sky Association. *LED Practical Guide*. October 2020.

maintenance and outage events along with utilization of dimming and power cycling features. This would greatly enhance future restoration response and limit light pollution.

6. LEDs are a greener alternative for the outdoor lighting market.⁸ Compared to conventional lighting, they release fewer carbon emissions, reduce lamp disposal waste, and are mercury, harmful gasses, or toxins free. According to the DOE, “LED street and roadway luminaires also significantly decrease the amount of light pollution compared to incumbent HID fixtures because their improved optical distribution substantially reduces the amount of light wasted upward into the atmosphere.”¹ When light is inefficiently used, excessive energy and light pollutions, such as sky glow, light trespass, and glare can cause ecological disturbances.⁹ Strict environmental regulations and initiatives for outdoor lighting, such as the Energy Independence and Security Act¹⁰ and the Model Lighting Ordinance,¹¹ are pushing for the use of energy efficient eco-friendly lighting. The International Dark Sky Association recommend the use of color temperatures up to “3000K LED lighting saves energy and lowers costs, protects health and human safety, conserves nocturnal wildlife, and protects nightscapes.”¹² Manufacturers have phased out or discontinued traditional product lines, replacing them with LED equivalents that meet regulatory policies and standards for energy. Over the past decade, growing demand and manufacturing innovations have generated economies of scale, reducing LED prices to make them more affordable.¹³ Pricing for HID fixtures and parts are expected to rise in upcoming years due to cancelled or further reductions in production of HID outdoor lighting products.

⁸ Philips. *Why are LEDs considered green technology?*

⁹ International Dark-Sky Association. *Light Pollution*

¹⁰ U.S. Environmental Protection Agency. *Summary of the Energy Independence and Security Act*

¹¹ International Dark-Sky Association. *Model Lighting Ordinance*

¹² International Dark-Sky Association. *Transition to LED Brings New Environmentally Responsibility Standards for Outdoor Fixtures*. February 2017.

¹³ U.S. Department of Energy, Office of Energy Efficiency and Renewable Energy. *2020 LED Manufacturing Supply Chain*. July 2021.

7. FPUC currently provides non-metered outdoor lighting service for HPS and MH lamps through Rate Schedule LS and Mercury Vapor (MV) lamps under Rate Schedule OSL. Rate Schedule LS is the only lighting tariff available to new customers while Rate Schedule OSL is closed to new customers. FPUC is proposing to close its tariff offerings for HPS and MH services under Rate Schedule LS to new customers and introduce a new LED lighting tariff in its place. This would result in current customers being grandfathered into continued HPS and MV services and FPUC no longer offering any non-LED lighting service to new customers. These proposed changes are like the tariff revisions previously approved for Tampa Electric Company (TECO) in Order PSC-2015-0094-TRF-EI issued February 5, 2015, in Docket No. 20140232-EI. The Commission approved TECO's petition to close its HPS and MH tariff offerings and allow only the LED tariff to remain open to new outdoor lighting customers.

8. FPUC's proposed new LED tariff will offer customers energy-efficient lighting options for area, decorative, outdoor, and roadways. The new lighting options will provide a better lighting experience for customers while lowering operating and maintenance costs. In Exhibit A, the Company provides the rate calculations for the proposed LED lighting tariff. The monthly rate for each new LED offering includes a fixture, maintenance, and energy charge. The monthly fixture charge includes the estimated total cost to install an LED fixture plus carrying costs and taxes. The monthly maintenance charge is based on the estimated cost of maintaining the LED fixture for the duration of its service life. The monthly energy charge is computed by multiplying the estimated energy usage of the fixture by the non-fuel energy charge rate. The calculation methodology was previously used and approved in FPUC's last lighting petition.¹⁴

¹⁴ Order No. PSC-99-2391-TRF-EI, issued December 7, 1999, in Docket No. 991652-EI, In re: Petition By Florida Public Utilities Company for Approval of Revised Lighting Service.

9. If FPUC's new tariff is approved, the LED outdoor lighting service will be available to everyone within the service territory. FPUC will install, own, and maintain these lighting fixtures. Current customers with HID service would be grandfathered into existing services and not forced to replace lighting fixtures and transfer to the new LED lighting service. However, if an existing customer's HID light fails, the fixture will be replaced with an LED fixture followed by the account being transferred to the new rate schedule. The customers under the new LED outdoor lighting tariff will not incur any additional cost, and in fact, most customers would see a reduction in the 'lighting service' portion of their bills.

Conclusion

10. In summary, FPUC seeks approval to add a new LED tariff and close the existing lighting tariffs for HPS and MH to new business. A new LED tariff would allow the Company the ability to offer efficient eco-friendly cost-saving products and services. Exhibit B contains the legislative and clean tariff versions reflecting the proposed changes.

11. FPUC is not aware of any disputed issues of material fact regarding the matters addressed herein or the relief requested.

Relief Requested

WHEREFORE, Florida Public Utilities Company requests that the Commission approve the proposed tariff changes as described in this petition and reflected in the revised tariff pages attached hereto as Exhibit B, to become effective on the date of the Commission's vote disposing of this matter.

Respectfully submitted this 30th day of December 2021.



Beth Keating
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215 South Monroe St., Suite 601
Tallahassee, FL 32301
(850) 521-1706

Attorneys for Florida Public Utilities Company

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been served upon the following by Electronic Mail this 30th day of December 2021.

| | |
|--|--|
| Keith Hetrick Florida Public Service Commission 2540 Shumard Oak Boulevard Tallahassee, FL 32399-0850 khetrick@psc.state.fl.us | Office of Public Counsel c/o The Florida Legislature 111 W. Madison Street, Room 812 Tallahassee, FL 32399-1400 |
|--|--|

By: 
Beth Keating
Gunster, Yoakley & Stewart, P.A.
215 South Monroe St., Suite 601
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EXHIBIT A

Calculation of Proposed LED Lighting Rates

| Line No. | Facility Type | Initial LED Lumens | Estimated LED Watts | KWH/Mo. Estimate | See page 4 for calculation | + | See page 5 for calculation | + | See page 6 for calculation | = |
|----------|---------------|--------------------|---------------------|------------------|------------------------------|-------------------------------|-------------------------------|---|----------------------------|---|
| | | | | | Facilities Charge w/ Rev Tax | Maintenance Charge w/ Rev Tax | Base Energy Charge w/ Rev Tax | | | |
| 1 | Cobrahead | 5,682 | 50 | 20 | \$ 6.63 | | \$ 2.09 | | \$ 1.05 | |
| 2 | Cobrahead | 5,944 | 50 | 20 | \$ 8.37 | | \$ 2.60 | | \$ 1.05 | |
| 3 | | | | | | | | | | |
| 4 | | | | | | | | | | |
| 5 | Cobrahead | 9,600 | 82 | 33 | \$ 7.83 | | \$ 2.44 | | \$ 1.73 | |
| 6 | Cobrahead | 14,571 | 130 | 53 | \$ 7.81 | | \$ 2.44 | | \$ 2.78 | |
| 7 | Cobrahead | 28,653 | 210 | 85 | \$ 13.65 | | \$ 3.98 | | \$ 4.47 | |
| 8 | Decorative | 2,650 | 26 | 11 | \$ 7.84 | | \$ 2.73 | | \$ 0.58 | |
| 9 | Decorative | 4,460 | 44 | 18 | \$ 7.76 | | \$ 2.71 | | \$ 0.95 | |
| 10 | Decorative | 10,157 | 90 | 36 | \$ 11.23 | | \$ 3.73 | | \$ 1.89 | |
| 11 | Decorative | 7,026 | 60 | 24 | \$ 19.88 | | \$ 6.29 | | \$ 1.26 | |
| 12 | Flood | 12,500 | 80 | 32 | \$ 10.88 | | \$ 3.42 | | \$ 1.68 | |
| 13 | Flood | 24,000 | 170 | 69 | \$ 10.88 | | \$ 3.42 | | \$ 3.63 | |
| 14 | Flood | 20,686 | 150 | 61 | \$ 10.88 | | \$ 3.42 | | \$ 3.20 | |
| 15 | Flood | 38,500 | 290 | 117 | \$ 10.88 | | \$ 3.42 | | \$ 6.15 | |
| 16 | Shoebox | 20,050 | 150 | 61 | \$ 9.59 | | \$ 3.25 | | \$ 3.20 | |
| 17 | Shoebox | 17,144 | 131 | 53 | \$ 10.80 | | \$ 3.61 | | \$ 2.78 | |

| Line No. | Facility Type | Total Charge w/ Rev Tax | LED Manufacturer | LED Light Description |
|----------|---------------|----------------------------|------------------|--------------------------------|
| 1 | Cobrahead | \$ 9.77 | Ceer Lighting | RUL LED Rural Utility |
| 2 | Cobrahead | \$ 12.02 | Philips | Lumec RoadFocus LED Cobra Head |
| 3 | | | Philips | Lumec RoadFocus LED Cobra Head |
| 4 | | | Philips | Lumec RoadFocus LED Cobra Head |
| 5 | Cobrahead | \$ 12.00 | GE | Evolve LED Roadway ERLH |
| 6 | Cobrahead | \$ 13.03 | Philips | Lumec RoadFocus LED Cobra Head |
| 7 | Cobrahead | \$ 22.10 | Philips | Lumec RoadFocus LED Cobra Head |
| 8 | Decorative | \$ 11.15 | GE | Evolve LED Post Top |
| 9 | Decorative | \$ 11.42 | GE | Evolve LED Post Top |
| 10 | Decorative | \$ 16.85 | Signify | Hadco MainView LED Post Top |
| 11 | Decorative | \$ 27.43 | Amerlux | |
| 12 | Flood | \$ 15.98 | Hoard | Utility LED Flood (UFB Series) |
| 13 | Flood | \$ 17.93 | Hoard | Utility LED Flood (UFB Series) |
| 14 | Flood | \$ 17.50 | RAB Lighting | RAB LED Floodlight |
| 15 | Flood | \$ 20.45 | Hoard | Utility LED Flood (UFB Series) |
| 16 | Shoebox | \$ 16.04 | Cooper Lighting | USSL LED Area/Site/Roaday |
| 17 | Shoebox | \$ 17.19 | Cooper Lighting | USSL LED Area/Site/Roaday |

| Line No. | Facility Type | LED Product No. | HID Replaced | LED Unit Cost |
|----------|---------------|---|-------------------------|---------------|
| 1 | Cobrahead | RUL-HT-5ME-C-40K-12-UF-N-ES-K1 | 70-100W HPS/100-175W MV | \$ 134.60 |
| 2 | Cobrahead | RFS-54W16LED3K-G2-R3M-UNV-DMG-PHXL-RCD7-GY3 | Cobra Head 100 | \$ 215.00 |
| 3 | | RFS-54W16LED3K-G2-R3M-UNV-DMG-RCD7-PHXL-SP2-GY3 | Cobra Head 100 | \$ 260.00 |
| 4 | | RFS-54W16LED3K-G2-R3M-UNV-DMG-RCD7-PHXL-GY3 | Cobra Head 100 | \$ 235.00 |
| 5 | Cobrahead | ERLH-0-10-C3-30-A-GRAY-X | Cobra Head 200 | \$ 205.10 |
| 6 | Cobrahead | RFM-130W32LED4K-G2-R3M-UNV-DMG-API-RCD7-GY3 | Cobra Head 200 | \$ 203.53 |
| 7 | Cobrahead | RFL-215W96LED4K-G2-R3M-UNIV-FAWS-PH8-RCD7-GY3 | Cobra Head 400 | \$ 508.00 |
| 8 | Decorative | EPTT-01-0-02-A-A-27-A-P-BLCK | Amer. Rev. 100 | \$ 262.05 |
| 9 | Decorative | EPTT-01-0-04-A-A-27-A-P-BLCK | Amer. Rev. 150 | \$ 257.85 |
| 10 | Decorative | MV-G-CA-G1-600-3-730-A-N-R-N-SP2-BKS | Acorn 150 | \$ 460.04 |
| 11 | Decorative | EDR-8270-D323/WA/AVI-G3-U-SY-XX-P3/LESS FINAL/BLK | ALN440 150 | \$ 965.80 |
| 12 | Flood | HOARD #UFBMD74YB2R71A | Flood 250 | \$ 398.00 |
| 13 | Flood | HOARD #UFBMD74YB2R71A | Flood 400 | \$ 398.00 |
| 14 | Flood | FXLED150T/PCT | Flood 400W MH | \$ 398.00 |
| 15 | Flood | HOARD #UFBMD74YB2R71A | Flood 1000 | \$ 398.00 |
| 16 | Shoebox | USSL-CO2-D-U-T3-SA-BZ-10MSP-4N7-TH-U111830 | Shoebox 175 | \$ 364.59 |
| 17 | Shoebox | USSL-CO29-D-U-T3-SA-BZ-10MSP-4N7-TH | Shoebox 250 | \$ 435.42 |

| Line No. | Facility Type | KWH/Mo. Estimate | = | LED Watts | X | Apply 18% for Additional Power Needs | X | Annual Operating Hours | / | (1000 | X | 12 Months) | Facilities Charge w/ Rev Tax | = |
|----------|---------------|---------------------|---|--------------|---|--|---|------------------------------|---|-------|---|------------|------------------------------------|---|
| 1 | Cobrahead | 20 | | 50 | | 118% | | 4120 | | 1000 | | 12 | \$ 6.63 | |
| 2 | Cobrahead | 20 | | 50 | | 118% | | 4120 | | 1000 | | 12 | \$ 8.37 | |
| 3 | | | | | | | | | | | | 12 | | |
| 4 | | | | | | | | | | | | | 12 | |
| 5 | Cobrahead | 33 | | 82 | | 118% | | 4120 | | 1000 | | 12 | \$ 7.83 | |
| 6 | Cobrahead | 53 | | 130 | | 118% | | 4120 | | 1000 | | 12 | \$ 7.81 | |
| 7 | Cobrahead | 85 | | 210 | | 118% | | 4120 | | 1000 | | 12 | \$ 13.65 | |
| 8 | Decorative | 11 | | 26 | | 118% | | 4120 | | 1000 | | 12 | \$ 7.84 | |
| 9 | Decorative | 18 | | 44 | | 118% | | 4120 | | 1000 | | 12 | \$ 7.76 | |
| 10 | Decorative | 36 | | 90 | | 118% | | 4120 | | 1000 | | 12 | \$ 11.23 | |
| 11 | Decorative | 24 | | 60 | | 118% | | 4120 | | 1000 | | 12 | \$ 19.88 | |
| 12 | Flood | 32 | | 80 | | 118% | | 4120 | | 1000 | | 12 | \$ 10.88 | |
| 13 | Flood | 69 | | 170 | | 118% | | 4120 | | 1000 | | 12 | \$ 10.88 | |
| 14 | Flood | 61 | | 150 | | 118% | | 4120 | | 1000 | | 12 | \$ 10.88 | |
| 15 | Flood | 117 | | 290 | | 118% | | 4120 | | 1000 | | 12 | \$ 10.88 | |
| 16 | Shoebox | 61 | | 150 | | 118% | | 4120 | | 1000 | | 12 | \$ 9.59 | |
| 17 | Shoebox | 53 | | 131 | | 118% | | 4120 | | 1000 | | 12 | \$ 10.80 | |

| Line No. | Facility Type | Rev Tax | X | Facilities Charge | = | (((Fixture Cost | + | Arm Costs | + | Photocell Cost) | X | Apply 9% Stores Handling | + | Labor) | + |
|----------|---------------|---------|---|-------------------|---|-----------------|---|-----------|---|-----------------|---|--------------------------|---|-----------|---|
| 1 | Cobrahead | 1.00072 | | \$ 6.62 | | \$ 134.60 | | \$ 56.75 | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 2 | Cobrahead | 1.00072 | | \$ 8.37 | | \$ 236.67 | | \$ 56.75 | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | Cobrahead | 1.00072 | | \$ 7.83 | | \$ 205.10 | | \$ 56.75 | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 6 | Cobrahead | 1.00072 | | \$ 7.80 | | \$ 203.53 | | \$ 56.75 | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 7 | Cobrahead | 1.00072 | | \$ 13.64 | | \$ 508.00 | | \$ 93.80 | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 8 | Decorative | 1.00072 | | \$ 7.83 | | \$ 262.05 | | \$ - | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 9 | Decorative | 1.00072 | | \$ 7.76 | | \$ 257.85 | | \$ - | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 10 | Decorative | 1.00072 | | \$ 11.22 | | \$ 460.04 | | \$ - | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 11 | Decorative | 1.00072 | | \$ 19.87 | | \$ 965.80 | | \$ - | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 12 | Flood | 1.00072 | | \$ 10.87 | | \$ 398.00 | | \$ 41.70 | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 13 | Flood | 1.00072 | | \$ 10.87 | | \$ 398.00 | | \$ 41.70 | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 14 | Flood | 1.00072 | | \$ 10.87 | | \$ 398.00 | | \$ 41.70 | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 15 | Flood | 1.00072 | | \$ 10.87 | | \$ 398.00 | | \$ 41.70 | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 16 | Shoebox | 1.00072 | | \$ 9.59 | | \$ 364.59 | | \$ - | | \$ 12.50 | | 109% | | \$ 199.74 | |
| 17 | Shoebox | 1.00072 | | \$ 10.80 | | \$ 435.42 | | \$ - | | \$ 12.50 | | 109% | | \$ 199.74 | |

| Line No. | Facility Type | Apply 35% Overhead) | X | Fixed Charge Rate | / | Months | Maintenance Charge w/ Rev Tax | = | Rev Tax | X | Maintenance Charge | = | (Labor | + |
|----------|---------------|---------------------|---|-------------------|---|--------|-------------------------------|---|---------|---|--------------------|---|-----------|---|
| 1 | Cobrahead | 135% | | 13.95% | | 12 | \$ 2.09 | | 1.00072 | | \$ 2.09 | | \$ 121.60 | |
| 2 | Cobrahead | 135% | | 13.95% | | 12 | \$ 2.60 | | 1.00072 | | \$ 2.60 | | \$ 121.60 | |
| 3 | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | |
| 5 | Cobrahead | 135% | | 13.95% | | 12 | \$ 2.44 | | 1.00072 | | \$ 2.44 | | \$ 121.60 | |
| 6 | Cobrahead | 135% | | 13.95% | | 12 | \$ 2.44 | | 1.00072 | | \$ 2.43 | | \$ 121.60 | |
| 7 | Cobrahead | 135% | | 13.95% | | 12 | \$ 3.98 | | 1.00072 | | \$ 3.97 | | \$ 121.60 | |
| 8 | Decorative | 135% | | 13.95% | | 12 | \$ 2.73 | | 1.00072 | | \$ 2.73 | | \$ 121.60 | |
| 9 | Decorative | 135% | | 13.95% | | 12 | \$ 2.71 | | 1.00072 | | \$ 2.71 | | \$ 121.60 | |
| 10 | Decorative | 135% | | 13.95% | | 12 | \$ 3.73 | | 1.00072 | | \$ 3.73 | | \$ 121.60 | |
| 11 | Decorative | 135% | | 13.95% | | 12 | \$ 6.29 | | 1.00072 | | \$ 6.29 | | \$ 121.60 | |
| 12 | Flood | 135% | | 13.95% | | 12 | \$ 3.42 | | 1.00072 | | \$ 3.42 | | \$ 121.60 | |
| 13 | Flood | 135% | | 13.95% | | 12 | \$ 3.42 | | 1.00072 | | \$ 3.42 | | \$ 121.60 | |
| 14 | Flood | 135% | | 13.95% | | 12 | \$ 3.42 | | 1.00072 | | \$ 3.42 | | \$ 121.60 | |
| 15 | Flood | 135% | | 13.95% | | 12 | \$ 3.42 | | 1.00072 | | \$ 3.42 | | \$ 121.60 | |
| 16 | Shoebox | 135% | | 13.95% | | 12 | \$ 3.25 | | 1.00072 | | \$ 3.25 | | \$ 121.60 | |
| 17 | Shoebox | 135% | | 13.95% | | 12 | \$ 3.61 | | 1.00072 | | \$ 3.61 | | \$ 121.60 | |

| Line No. | Facility Type | Total Unit Cost Excluding Arm | X | Annual Failure Rate | / | Months | Base Energy Charge w/ Rev Tax | = | Rev Tax | X | Base Energy Charge | = | KWH/Mo. Estimate | X | Base Energy Rate ¢/KWH |
|----------|---------------|----------------------------------|---|------------------------|---|--------|-------------------------------------|---|---------|---|-----------------------|---|---------------------|---|---------------------------|
| 1 | Cobrahead | \$ 486.10 | | 4.12% | | 12 | \$ 1.05 | | 1.00072 | | \$ 1.05 | | 20 | | \$ 0.053 |
| 2 | Cobrahead | \$ 636.29 | | 4.12% | | 12 | \$ 1.05 | | 1.00072 | | \$ 1.05 | | 20 | | \$ 0.053 |
| 3 | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | |
| 5 | Cobrahead | \$ 589.84 | | 4.12% | | 12 | \$ 1.73 | | 1.00072 | | \$ 1.73 | | 33 | | \$ 0.053 |
| 6 | Cobrahead | \$ 587.53 | | 4.12% | | 12 | \$ 2.78 | | 1.00072 | | \$ 2.78 | | 53 | | \$ 0.053 |
| 7 | Cobrahead | \$ 1,035.56 | | 4.12% | | 12 | \$ 4.47 | | 1.00072 | | \$ 4.46 | | 85 | | \$ 0.053 |
| 8 | Decorative | \$ 673.64 | | 4.12% | | 12 | \$ 0.58 | | 1.00072 | | \$ 0.58 | | 11 | | \$ 0.053 |
| 9 | Decorative | \$ 667.46 | | 4.12% | | 12 | \$ 0.95 | | 1.00072 | | \$ 0.95 | | 18 | | \$ 0.053 |
| 10 | Decorative | \$ 964.99 | | 4.12% | | 12 | \$ 1.89 | | 1.00072 | | \$ 1.89 | | 36 | | \$ 0.053 |
| 11 | Decorative | \$ 1,709.21 | | 4.12% | | 12 | \$ 1.26 | | 1.00072 | | \$ 1.26 | | 24 | | \$ 0.053 |
| 12 | Flood | \$ 873.69 | | 4.12% | | 12 | \$ 1.68 | | 1.00072 | | \$ 1.68 | | 32 | | \$ 0.053 |
| 13 | Flood | \$ 873.69 | | 4.12% | | 12 | \$ 3.63 | | 1.00072 | | \$ 3.62 | | 69 | | \$ 0.053 |
| 14 | Flood | \$ 873.69 | | 4.12% | | 12 | \$ 3.20 | | 1.00072 | | \$ 3.20 | | 61 | | \$ 0.053 |
| 15 | Flood | \$ 873.69 | | 4.12% | | 12 | \$ 6.15 | | 1.00072 | | \$ 6.14 | | 117 | | \$ 0.053 |
| 16 | Shoebox | \$ 824.53 | | 4.12% | | 12 | \$ 3.20 | | 1.00072 | | \$ 3.20 | | 61 | | \$ 0.053 |
| 17 | Shoebox | \$ 928.76 | | 4.12% | | 12 | \$ 2.78 | | 1.00072 | | \$ 2.78 | | 53 | | \$ 0.053 |

EXHIBIT B

Revised Tariff Sheets

Sixth Revised Sheets 56 and 57, and First Revised Sheet 58

(Legislative and Tracked Changes)

RATE SCHEDULE LS
LIGHTING SERVICE

Availability

Available within the territory served by the Company in Calhoun, Jackson and Liberty Counties and on Amelia Island in Nassau County.

Applicability

Applicable to any customer for non-metered outdoor lighting service.

Character of Service

Lighting service from dusk to dawn as described herein.

Limitations of Service

Service is limited to lighting by high-pressure sodium vapor, metal halide, or light emitting diode lamps mounted on company poles as described herein. Company-owned facilities will be installed only on Company-owned poles.

Monthly Rate

When lighting fixtures are mounted on existing poles and served directly from existing overhead secondary distribution lines:

| Type Facility | Lamp Lumens | Size Watts | KWH/Mo. Estimate | Facilities Charge | Maintenance* Charge | Energy Charge | Total Charge |
|--|----------------|---------------|---------------------|----------------------|------------------------|------------------|-----------------|
| <u>High Pressure Sodium Lights (closed to new service)</u> | | | | | | | |
| Acorn | 16,000 | 150 | 61 | \$19.69 | \$2.49 | \$3.19 | \$25.37 |
| ALN 440 | 16,000 | 150 | 61 | \$28.07 | \$3.32 | \$3.19 | \$34.58 |
| Amer. Rev. | 9,500 | 100 | 41 | \$9.66 | \$3.29 | \$2.15 | \$15.10 |
| Amer. Rev. | 16,000 | 150 | 61 | \$9.05 | \$3.33 | \$3.19 | \$15.57 |
| Cobra Head | 9,500 | 100 | 41 | \$7.25 | \$2.11 | \$2.15 | \$11.51 |
| Cobra Head | 22,000 | 200 | 81 | \$9.78 | \$2.53 | \$4.26 | \$16.57 |
| Cobra Head | 28,500 | 250 | 101 | \$11.63 | \$3.33 | \$5.30 | \$20.26 |
| Cobra Head | 50,000 | 400 | 162 | \$10.86 | \$2.77 | \$8.54 | \$22.17 |
| Flood | 28,500 | 250 | 101 | \$11.37 | \$2.42 | \$5.30 | \$19.09 |
| Flood | 50,000 | 400 | 162 | \$17.85 | \$2.27 | \$8.54 | \$28.66 |
| Flood | 130,000 | 1,000 | 405 | \$22.36 | \$3.00 | \$21.30 | \$46.66 |
| SP2 Spectra | 9,500 | 100 | 41 | \$24.81 | \$3.10 | \$2.15 | \$30.06 |
| <u>Metal Halide Lights (closed to new service)</u> | | | | | | | |
| ALN 440 | 16,000 | 175 | 71 | \$26.86 | \$2.61 | \$3.77 | \$33.24 |
| Flood | 50,000 | 400 | 162 | \$12.12 | \$2.21 | \$8.54 | \$22.87 |
| Flood | 130,000 | 1,000 | 405 | \$20.61 | \$2.92 | \$21.30 | \$44.83 |
| Shoebox | 16,000 | 175 | 71 | \$22.68 | \$2.93 | \$3.77 | \$29.38 |
| Shoebox | 28,500 | 250 | 101 | \$24.14 | \$3.28 | \$5.30 | \$32.72 |
| SP2 Spectra | 9,500 | 100 | 41 | \$24.62 | \$3.00 | \$2.15 | \$29.77 |
| Vertical Shoebox | 130,000 | 1,000 | 405 | \$25.45 | \$3.32 | \$21.30 | \$50.07 |

(Continued on Sheet No. 57)

*RATE SCHEDULE LS
 LIGHTING SERVICE*

(Continued from Sheet No. 56)

| Type Facility | Lamp Lumens | Size Watts | KWH/Mo. Estimate | Facilities Charge | Maintenance* Charge | Energy Charge | Total Charge |
|------------------------------------|----------------|---------------|---------------------|----------------------|------------------------|------------------|-----------------|
| <u>Light Emitting Diode Lights</u> | | | | | | | |
| Cobra Head | 5,682 | 50 | 20 | \$6.63 | \$2.09 | \$1.05 | \$9.77 |
| Cobra Head | 5,944 | 50 | 20 | \$8.37 | \$2.60 | \$1.05 | \$12.02 |
| Cobra Head | 9,600 | 82 | 33 | \$7.83 | \$2.44 | \$1.73 | \$12.00 |
| Cobra Head | 14,571 | 130 | 53 | \$7.81 | \$2.44 | \$2.78 | \$13.03 |
| Cobra Head | 28,653 | 210 | 85 | \$13.65 | \$3.98 | \$4.47 | \$22.10 |
| Decorative | 2,650 | 26 | 11 | \$7.84 | \$2.73 | \$0.58 | \$11.15 |
| Decorative | 4,460 | 44 | 18 | \$7.76 | \$2.71 | \$0.95 | \$11.42 |
| Decorative | 10,157 | 90 | 36 | \$11.23 | \$3.73 | \$1.89 | \$16.85 |
| Decorative | 7,026 | 60 | 24 | \$19.88 | \$6.29 | \$1.26 | \$27.43 |
| Flood | 12,500 | 80 | 32 | \$10.88 | \$3.42 | \$1.68 | \$15.98 |
| Flood | 24,000 | 170 | 69 | \$10.88 | \$3.42 | \$3.63 | \$17.93 |
| Flood | 20,686 | 150 | 61 | \$10.88 | \$3.42 | \$3.20 | \$17.50 |
| Flood | 38,500 | 290 | 117 | \$10.88 | \$3.42 | \$6.15 | \$20.45 |
| Shoe Box | 20,050 | 150 | 61 | \$9.59 | \$3.25 | \$3.20 | \$16.04 |
| Shoe Box | 17,144 | 131 | 53 | \$10.80 | \$3.61 | \$2.78 | \$17.19 |

Charges for other Company-owned facilities:

- 1) 30' Wood Pole \$4.82
- 2) 40' Wood Pole Std \$10.72
- 3) 18' Fiberglass Round \$9.98
- 4) 13' Decorative Concrete \$14.14
- 5) 20' Decorative Concrete \$16.41
- 6) 35' Concrete Square \$15.83
- 7) 10' Deco Base Aluminum \$18.56
- 8) 30' Wood Pole Std \$5.36

For the poles shown above that are served from an underground system, the Company will provide up to one hundred (100) feet of conductor to service each fixture. The customer will provide and install the necessary conduit system to Company specifications.

Purchased Power Charges

Purchased power charges are adjusted annually by the Florida Public Service Commission. For current purchased power costs included in the tariff, see Sheet No. 65 & 66.

Minimum Bill

The above rates times the number of lamps connected.

(Continued on Sheet No. 58)

*RATE SCHEDULE LS
LIGHTING SERVICE*

(Continued from Sheet No. 57)

Terms of Payment

Bills are rendered net and are due and payable within twenty (20) days from date of bill.

Purchased Power Costs

See Sheet No. 65 & 66.

Conservation Costs

See Sheet No. 65 & 66.

Franchise Fee Adjustment

Customers taking service within franchise areas shall pay a franchise fee adjustment in the form of a percentage to be added to their bills prior to the application of any appropriate taxes. This percentage shall reflect the customer's pro rata share of the amount the Company is required to pay under the franchise agreement with the specific governmental body in which the customer is located.

Term of Service

Service under this rate schedule shall be by written contract for a period of five or more years.

Terms and Conditions

1. Service under this rate schedule is subject to the Company's Rules and Regulations applicable to electric service.
 2. The charges set forth above cover the initial installation of overhead lines, poles and fixture assembly including bracket, and the maintenance duty as limited to lamp renewals due to burn outs only, or the repair or replacement of equipment causing lamps not to be illuminated.
- * The Company will repair or replace malfunctioning lighting fixtures maintained by the company in accordance with Section 768.1382, Florida Statutes (2005). Maintenance duty to be undertaken by Florida Public Utilities Company is limited to lamp renewal due to burn outs only, or the repair or replacement of equipment causing lamps not to be illuminated. Such burnt out lamp replacements or repairs causing non-illumination of lamps will be performed only during regular daytime working hours as soon as practical after notification of the burn out or non-illumination conditions of the lamp by the customer. The maintenance duties undertaken herein are expressly limited to our paying customer, and are not to be deemed to create a duty to the general public at large.

*RATE SCHEDULE LS
 LIGHTING SERVICE*

Availability

Available within the territory served by the Company in Calhoun, Jackson and Liberty Counties and on Amelia Island in Nassau County.

Applicability

Applicable to any customer for non-metered outdoor lighting service.

Character of Service

Lighting service from dusk to dawn as described herein.

Limitations of Service

Service is limited to lighting by high-pressure sodium vapor, or metal halide, or light emitting diode lamps mounted on company poles as described herein. Company-owned facilities will be installed only on Company-owned poles.

Monthly Rate

When lighting fixtures are mounted on existing poles and served directly from existing overhead secondary distribution lines:

| Type Facility | Lamp Lumens | Size Watts | KWH/Mo. Estimate | Facilities Charge | Maintenance* Charge | Energy Charge | Total Charge |
|--|----------------|---------------|---------------------|----------------------|------------------------|------------------|-----------------|
| <u>High Pressure Sodium Lights (closed to new service)</u> | | | | | | | |
| Acorn | 16,000 | 150 | 61 | \$19.69 | \$2.49 | \$3.19 | \$25.37 |
| ALN 440 | 16,000 | 150 | 61 | \$28.07 | \$3.32 | \$3.19 | \$34.58 |
| Amer. Rev. | 9,500 | 100 | 41 | \$9.66 | \$3.29 | \$2.15 | \$15.10 |
| Amer. Rev. | 16,000 | 150 | 61 | \$9.05 | \$3.33 | \$3.19 | \$15.57 |
| Cobra Head | 9,500 | 100 | 41 | \$7.25 | \$2.11 | \$2.15 | \$11.51 |
| Cobra Head | 22,000 | 200 | 81 | \$9.78 | \$2.53 | \$4.26 | \$16.57 |
| Cobra Head | 28,500 | 250 | 101 | \$11.63 | \$3.33 | \$5.30 | \$20.26 |
| Cobra Head | 50,000 | 400 | 162 | \$10.86 | \$2.77 | \$8.54 | \$22.17 |
| Flood | 28,500 | 250 | 101 | \$11.37 | \$2.42 | \$5.30 | \$19.09 |
| Flood | 50,000 | 400 | 162 | \$17.85 | \$2.27 | \$8.54 | \$28.66 |
| Flood | 130,000 | 1,000 | 405 | \$22.36 | \$3.00 | \$21.30 | \$46.66 |
| SP2 Spectra | 9,500 | 100 | 41 | \$24.81 | \$3.10 | \$2.15 | \$30.06 |
| <u>Metal Halide Lights (closed to new service)</u> | | | | | | | |
| ALN 440 | 16,000 | 175 | 71 | \$26.86 | \$2.61 | \$3.77 | \$33.24 |
| Flood | 50,000 | 400 | 162 | \$12.12 | \$2.21 | \$8.54 | \$22.87 |
| Flood | 130,000 | 1,000 | 405 | \$20.61 | \$2.92 | \$21.30 | \$44.83 |
| Shoebox | 16,000 | 175 | 71 | \$22.68 | \$2.93 | \$3.77 | \$29.38 |
| Shoebox | 28,500 | 250 | 101 | \$24.14 | \$3.28 | \$5.30 | \$32.72 |
| SP2 Spectra | 9,500 | 100 | 41 | \$24.62 | \$3.00 | \$2.15 | \$29.77 |
| Vertical Shoebox | 130,000 | 1,000 | 405 | \$25.45 | \$3.32 | \$21.30 | \$50.07 |

(Continued on Sheet No. 57)

*RATE SCHEDULE LS
 LIGHTING SERVICE*

(Continued from Sheet No. 56)

| Type Facility | Lamp Lumens | Size Watts | KWH/Mo. Estimate | Facilities Charge | Maintenance* Charge | Energy Charge | Total Charge |
|------------------------------------|----------------|---------------|---------------------|----------------------|------------------------|------------------|-----------------|
| <u>Light Emitting Diode Lights</u> | | | | | | | |
| Cobra Head | 5,682 | 50 | 20 | \$6.63 | \$2.09 | \$1.05 | \$9.77 |
| Cobra Head | 5,944 | 50 | 20 | \$8.37 | \$2.60 | \$1.05 | \$12.02 |
| Cobra Head | 9,600 | 82 | 33 | \$7.83 | \$2.44 | \$1.73 | \$12.00 |
| Cobra Head | 14,571 | 130 | 53 | \$7.81 | \$2.44 | \$2.78 | \$13.03 |
| Cobra Head | 28,653 | 210 | 85 | \$13.65 | \$3.98 | \$4.47 | \$22.10 |
| Decorative | 2,650 | 26 | 11 | \$7.84 | \$2.73 | \$0.58 | \$11.15 |
| Decorative | 4,460 | 44 | 18 | \$7.76 | \$2.71 | \$0.95 | \$11.42 |
| Decorative | 10,157 | 90 | 36 | \$11.23 | \$3.73 | \$1.89 | \$16.85 |
| Decorative | 7,026 | 60 | 24 | \$19.88 | \$6.29 | \$1.26 | \$27.43 |
| Flood | 12,500 | 80 | 32 | \$10.88 | \$3.42 | \$1.68 | \$15.98 |
| Flood | 24,000 | 170 | 69 | \$10.88 | \$3.42 | \$3.63 | \$17.93 |
| Flood | 20,686 | 150 | 61 | \$10.88 | \$3.42 | \$3.20 | \$17.50 |
| Flood | 38,500 | 290 | 117 | \$10.88 | \$3.42 | \$6.15 | \$20.45 |
| Shoe Box | 20,050 | 150 | 61 | \$9.59 | \$3.25 | \$3.20 | \$16.04 |
| Shoe Box | 17,144 | 131 | 53 | \$10.80 | \$3.61 | \$2.78 | \$17.19 |

Charges for other Company-owned facilities:

- 1) 30' Wood Pole \$4.82
- 2) 40' Wood Pole Std \$10.72
- 3) 18' Fiberglass Round \$9.98
- 4) 13' Decorative Concrete \$14.14
- 5) 20' Decorative Concrete \$16.41
- 6) 35' Concrete Square \$15.83
- 7) 10' Deco Base Aluminum \$18.56
- 8) 30' Wood Pole Std \$5.36

For the poles shown above that are served from an underground system, the Company will provide up to one hundred (100) feet of conductor to service each fixture. The customer will provide and install the necessary conduit system to Company specifications.

Purchased Power Charges

Purchased power charges are adjusted annually by the Florida Public Service Commission. For current purchased power costs included in the tariff, see Sheet No. 65 & 66.

Minimum Bill

The above rates times the number of lamps connected.

(Continued on Sheet No. 58)

Terms of Payment

~~_____ Bills are rendered net and are due and payable within twenty (20) days from date of bill.~~

Purchased Power Costs

~~_____ See Sheet No. 65 & 66.~~

Conservation Costs

~~_____ See Sheet No. 65 & 66.~~

Franchise Fee Adjustment

~~_____ Customers taking service within franchise areas shall pay a franchise fee adjustment in the form of a
_____ percentage to be added to their bills prior to the application of any appropriate taxes. This percentage
_____ shall reflect the customer's pro rata share of the amount the Company is required to pay under the
_____ franchise agreement with the specific governmental body in which the customer is located.~~

~~(Continued on Sheet No. 58)~~

*RATE SCHEDULE LS
LIGHTING SERVICE*

(Continued from Sheet No. 57)

Terms of Payment

Bills are rendered net and are due and payable within twenty (20) days from date of bill.

Purchased Power Costs

See Sheet No. 65 & 66.

Conservation Costs

See Sheet No. 65 & 66.

Franchise Fee Adjustment

Customers taking service within franchise areas shall pay a franchise fee adjustment in the form of a percentage to be added to their bills prior to the application of any appropriate taxes. This percentage shall reflect the customer's pro rata share of the amount the Company is required to pay under the franchise agreement with the specific governmental body in which the customer is located.

Term of Service

Service under this rate schedule shall be by written contract for a period of five or more years.

Terms and Conditions

1. Service under this rate schedule is subject to the Company's Rules and Regulations applicable to electric service.
 2. The charges set forth above cover the initial installation of overhead lines, poles and fixture assembly including bracket, and the maintenance duty as limited to lamp renewals due to burn outs only, or the repair or replacement of equipment causing lamps not to be illuminated.
- * The Company will repair or replace malfunctioning lighting fixtures maintained by the company in accordance with Section 768.1382, Florida Statutes (2005). Maintenance duty to be undertaken by Florida Public Utilities Company is limited to lamp renewal due to burn outs only, or the repair or replacement of equipment causing lamps not to be illuminated. Such burnt out lamp replacements or repairs causing non-illumination of lamps will be performed only during regular daytime working hours as soon as practical after notification of the burn out or non-illumination conditions of the lamp by the customer. The maintenance duties undertaken herein are expressly limited to our paying customer, and are not to be deemed to create a duty to the general public at large.