

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition to modify tariff to close existing lighting tariff to new business and introduce new LED lighting tariff by Florida Public Utilities Company.

DOCKET NO. 20220011-EI  
ORDER NO. PSC-2022-0132-TRF-EI  
ISSUED: April 8, 2022

The following Commissioners participated in the disposition of this matter:

ANDREW GILES FAY, Chairman  
ART GRAHAM  
GARY F. CLARK  
MIKE LA ROSA  
GABRIELLA PASSIDOMO

ORDER APPROVING LED LIGHTING TARIFF

BY THE COMMISSION:

BACKGROUND

On January 3, 2022, Florida Public Utilities Company (FPUC or utility) filed a petition requesting Commission approval to modify its Lighting Service tariff (Rate Schedule LS). Currently, Rate Schedule LS offers customers various High Pressure Sodium (HPS) and Metal Halide (MH) outdoor lighting options. In its petition, FPUC proposed to close the existing HPS and MH fixture options to new customers and offer new Light Emitting Diode (LED) fixture options.

Our staff issued a data request on January 26, 2022, with responses filed by the utility on February 9, 2022. In its response, FPUC submitted revised tariff sheets Nos. 56, 57, and 58 to reflect corrections made to the cost support for the LED fixtures. The revised tariffs are included as Attachment A to this order. On January 12, 2022, FPUC filed a letter in this docket waiving the 60-day file and suspend provision of Section 366.06(3), Florida Statutes (F.S.). We have jurisdiction over this matter pursuant to Sections 366.04, 366.05, and 366.06 F.S.

DECISION

FPUC, under Rate Schedule LS, currently provides outdoor lighting service offering HPS and MH fixtures. The utility requested approval to modify its Rate Schedule LS to close the existing HPS and MH fixture options to new customers and to offer new customers fifteen LED fixture options. Current customers served under Rate Schedule LS would remain on the HPS and MH fixture rates and would not see a change in their lighting bill. If a customer served under Rate Schedule LS needs to replace a light fixture, it would be replaced with an LED fixture and billed under the new LED fixture rates. All new lighting customers would be served under the proposed new LED lighting rates.

### Closure of HPS and MH Fixtures

To support its petition, FPUC explained that as technology advances in the lighting market, the demand for HPS and MH fixtures has decreased, while the demand for LED lighting has increased. LED is a type of solid-state light that uses a semiconductor to convert electric current to visible light. LED lighting is a more energy efficient lighting source compared to its predecessors HPS and MH lights. Along with demand decreasing for HPS and MH lights, manufacturers have begun to phase out traditional product lines for HPS and MH lighting sources and replace them with the more energy efficient LED production.

### New LED Fixtures

FPUC has proposed to add fifteen new LED fixture rate options: five cobra heads, four decorative, four flood lights, and two shoe box with varying lamp lumens and watt sizes. The charges for the new LED lighting fixtures are comprised of three components: the fixture, maintenance, and energy charges. The fixture charge includes the estimated total cost to install an LED fixture and any carrying costs and taxes. The maintenance charge is the cost associated with maintaining the LED fixture for its expected service life. The energy charge is calculated by multiplying the estimated energy usage of the fixture by the lighting non-fuel energy charge. The new LED fixtures and associated charges can be seen on tariff sheet No. 57.

In conjunction with its petition, the utility submitted supporting cost information for the proposed LED fixture, maintenance, and energy charges. In its response to our staff's data request, the utility made two corrections to its originally-submitted calculations. With previous lighting options, there was a need to factor power loss into the calculation. However, with LED technology, there is no longer a need to factor in a power loss adjustment. Thus, the utility removed the eighteen percent power loss calculation that was originally submitted with the petition.

Along with that change, the utility stated that an adjustment was needed in its original overhead calculation. FPUC determined the correct percentage for the overhead calculation should be decreased from 35 percent to 34 percent. These two cost calculation adjustments resulted in a decrease to the proposed LED fixture rates submitted with the original petition. The revised tariff sheets, which include these corrections, were submitted with the utility's data request responses and are attached as Attachment A to this order. We have reviewed these changes and find them to be appropriate and reasonable.

FPUC has provided us with documentation that supports closing the HPS and MH lighting rates to new customers and to offer LED lighting rates in its place. This should not only decrease energy used by FPUC subscribers, but should also lower operating and maintenance costs for the utility. We have approved similar petitions to close existing HPS and MH fixture options to new customers and offer LED fixture options.<sup>1</sup> All pertinent information in the docket and the cost support submitted to us have been reviewed and analyzed.

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<sup>1</sup>Order No. PSC-2019-0100-TRF-EI, issued March 13, 2019, in Docket No. 20190023-EI, *In re: Petition for approval of modifications to rate schedule LS-1, lighting service, by Duke Energy Florida, LLC.*, and Order No. PSC-15-0094-TRF-EI, issued February 5, 2015, in Docket No. 20140232-EI, *In re: Petition for approval of revised lighting tariff by Tampa Electric Company.*

Based on our review of the information and cost support materials submitted to us, we approve FPUC's proposed modifications to the Rate Schedule LS lighting tariff as shown on Attachment A to this order. The proposed new LED fixture options are cost based and expand the fixture options available to customers. Closing the current HPS and MH options for new installations allows FPUC to recognize energy efficiencies and technological improvements in the lighting industry.

Based on the foregoing, it is

ORDERED by the Florida Public Service Commission that Florida Public Utilities Company's Petition to Modify Tariff to Close Existing Lighting Tariff to New Business and Introduce New LED Lighting Tariff is hereby granted as stated in the body of this order. It is further

ORDERED that if a protest is filed within 21 days of the issuance of the order approving the proposed tariffs, the current tariffs shall remain in effect pending resolution of the protest. If no timely protest is filed, revised tariff sheets Nos. 56, 57, and 58, Rate Schedule LS Lighting Service, shall become effective, and the docket closed, upon the issuance of a Consummating Order.

By ORDER of the Florida Public Service Commission this 8th day of April, 2022.



ADAM S. TEITZMAN

Commission Clerk

Florida Public Service Commission

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Tallahassee, Florida 32399

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Copies furnished: A copy of this document is provided to the parties of record at the time of issuance and, if applicable, interested persons.

SBr

NOTICE OF FURTHER PROCEEDINGS

The Florida Public Service Commission is required by Section 120.569(1), Florida Statutes, to notify parties of any administrative hearing or judicial review of Commission orders that is available under Sections 120.57 or 120.68, Florida Statutes, as well as the procedures and time limits that apply. This notice should not be construed to mean all requests for an administrative hearing or judicial review will be granted or result in the relief sought.

Mediation may be available on a case-by-case basis. If mediation is conducted, it does not affect a substantially interested person's right to a hearing.

The Commission's decision on this tariff is interim in nature and will become final, unless a person whose substantial interests are affected by the proposed action files a petition for a formal proceeding, in the form provided by Rule 28-106.201, Florida Administrative Code. This petition must be received by the Office of Commission Clerk, 2540 Shumard Oak Boulevard, Tallahassee, Florida 32399-0850, by the close of business on April 29, 2022.

In the absence of such a petition, this Order shall become final and effective upon the issuance of a Consummating Order.

Any objection or protest filed in this docket before the issuance date of this order is considered abandoned unless it satisfies the foregoing conditions and is renewed within the specified protest period.

Florida Public Utilities Company  
 F.P.S.C. Electric Tariff  
 Third Revised Volume No. I

Sixth ~~Fifth~~ Revised Sheet No. 56  
 Cancels ~~Fifth~~ ~~Fourth~~ Revised Sheet No. 56

**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
<b>High Pressure Sodium Lights (closed to new service)</b>							
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
<b>Metal Halide Lights (closed to new service)</b>							
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)

Issued by: Jeffrey M. Householder, President

Effective: JAN 01 2021

Florida Public Utilities Company  
 F.P.S.C. Electric Tariff  
 Third Revised Volume No. 1

Sixth Fifth Revised Sheet No. 57  
 Cancels Fifth Fourth Revised 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
<b>Light Emitting Diode Lights</b>							
Cobra Head	5,682	50	17	\$6.58	\$2.08	\$0.89	\$9.55
Cobra Head	5,944	50	17	\$8.31	\$2.59	\$0.89	\$11.79
Cobra Head	9,600	82	28	\$7.78	\$2.43	\$1.47	\$11.68
Cobra Head	14,571	130	45	\$7.75	\$2.42	\$2.36	\$12.53
Cobra Head	28,653	210	72	\$13.55	\$3.95	\$3.78	\$21.28
Decorative	2,650	26	9	\$7.78	\$2.72	\$0.47	\$10.97
Decorative	4,460	44	15	\$7.71	\$2.69	\$0.79	\$11.19
Decorative	10,157	90	31	\$11.14	\$3.71	\$1.63	\$16.48
Decorative	7,026	60	21	\$19.74	\$6.25	\$1.10	\$27.09
Flood	12,500	80	27	\$10.80	\$3.40	\$1.42	\$15.61
Flood	24,000	170	58	\$10.80	\$3.40	\$3.05	\$17.24
Flood	20,686	150	52	\$10.80	\$3.40	\$2.73	\$16.93
Flood	38,500	290	100	\$10.80	\$3.40	\$5.25	\$19.45
Shoe Box	20,050	150	52	\$9.52	\$3.23	\$2.73	\$15.48
Shoe Box	17,144	131	45	\$10.72	\$3.59	\$2.36	\$16.67

**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)

Issued by: Jeffrey M. Householder, President

Effective: JAN 01 2021

Florida Public Utilities Company  
F.P.S.C. Electric Tariff  
Third Revised Volume No. 1

First Revised Original Sheet No. 58  
Cancels Original Sheet No. 58

*RATE SCHEDULES  
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.

Issued by: Jeffrey M. Householder, President

Effective: NOV 01 2014