



Matthew R. Bernier  
ASSOCIATE GENERAL COUNSEL

February 8, 2019

**VIA ELECTRONIC FILING**

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

Re: *Duke Energy Florida, LLC's (DEF) Petition for Approval of Modifications to DEF's Rate Schedule LS-1 – Lighting Service; Docket No. 20190023-EI*

Dear Mr. Teitzman:

On behalf of Duke Energy Florida, LLC ("DEF"), please find enclosed for electronic filing in the above-referenced Docket, DEF's Response to Staff's First Data Request (Nos. 1-4).

Thank you for your attention to this matter. Please feel free to call me at (727) 820-4692 should you have any questions concerning this filing.

Sincerely,

*/s/ Matthew R. Bernier*

Matthew R. Bernier

MRB/cmK  
Enclosure

cc: Parties of Record

**CERTIFICATE OF SERVICE**  
*(Dkt. No. 20190023-EI)*

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by electronic mail this 8<sup>th</sup> day of February, 2019, to all parties of record as indicated below.

\_\_\_\_\_  
*/s/ Matthew R. Bernier*

Attorney

Kristen Simmons Office of General Counsel Florida Public Service Commission 2540 Shumard Oak Blvd. Tallahassee, FL 32399-0850 <a href="mailto:ksimmons@psc.state.fl.us">ksimmons@psc.state.fl.us</a>	
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**Duke Energy Florida, LLC's (DEF) Response to  
Florida Public Service Commission's First Data Request (Nos. 1-4)  
re. DEF's Petition for Approval of Modifications to  
DEF's Rate Schedule LS-1 – Lighting Service**

**Docket No. 20190023-EI**

1. Please provide cost support for the fixture charges for the new light emitting diode (LED) fixtures to be added to the current tariff offerings listed in the revised tariff Sheet No. 6.2811 and the original tariff Sheet No. 6.2812.

**Response:**

Please see the attached document bearing bates number 20190023-DEF-000001 to view the cost support for the fixture charges for the new LED fixtures requested to be added to rate schedules LS-1. The cost support files are confidential. A redacted version is attached hereto. An unredacted version has been filed with the FPSC along with DEF's Notice of Intent to Request Confidential Classification dated February 8, 2019.

The Non-Fuel Energy values are calculated by multiplying Schedule LS-1's Non-Fuel Energy Charge of 2.547¢ per kWh by each light's kWh.

Please note that LED lighting fixtures 361, 362, 363, 364, 367, and 369 on LS-1 Tariff Sheet 6.2812 are not newly added fixtures.

2. Please provide cost support information for the new LED lighting per unit maintenance charges shown as \$1.39, \$2.43, and \$2.84 in the revised tariff Sheet No. 6.2811 and original tariff Sheet No. 6.2812.

**Response:**

Please see the attached document bearing bates number 20190023-DEF-000002 to view the cost support for the per unit maintenance charges supporting the \$1.39 fee for the new fixtures requested to be added to Rate Schedule LS-1. Please note that LED lighting fixtures 361, 362, 363, 364, and 367 are not newly added fixtures. These products were the Company's first LED offerings prior to 2014 and are closed to new installations. The \$2.43 and \$2.84 maintenance rates for these fixtures were based on maintenance rates for comparable High Intensity Discharge fixtures (Metal Halide and High-Pressure Sodium Vapor). LED outdoor lighting products were new to the market at that time.

3. Please provide cost support information for the new aluminum and concrete light poles offered in revised tariff Sheet No. 6.282 and the original tariff Sheet No. 6.2821.

**Response:**

Please see the document provided in response to question 1, to view the cost support for the pole charges for the new LED fixtures requested to be added to rate schedules LS-1. The cost support files are confidential. A redacted version is attached hereto. An

unredacted version has been filed with the FPSC along with DEF's Notice of Intent to Request Confidential Classification dated February 8, 2019.

4. Please provide a legible Page 6 of 8 of Original Sheet No. 6.2821.

**Response:**

Please see the attached a legible Page 6 of 8 of Original Sheet No. 6.2821.

Duke Energy Florida

REDACTED

Docket No. 20190023-EI, Data Request #1

Billing Type/Description	Lumen Output	Wattage	KWH	(F)	Maintenance	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
				Fix. Rent Rate (8) *		Luminaire	Photo Control	Labor	Fleet Loader	OH Service Wire	Design Eng. & PM	Supv. & Mgt.	Total (1-7)
121 213 watt LED Shoebox Bronze III	21,164	213	75	\$20.42	\$1.39								
122 213 watt LED Shoebox Bronze IV	20,555	213	75	\$20.42	\$1.39								
123 213 watt LED Shoebox Bronze V	21,803	213	75	\$20.42	\$1.39								
124 213 watt LED Shoebox Black III	21,164	213	75	\$20.42	\$1.39								
126 213 watt LED Shoebox Black IV FWT	20,555	213	75	\$20.42	\$1.39								
127 213 watt LED Shoebox Black V	21,803	213	75	\$20.42	\$1.39								
156 421 watt LED Shoebox Bronze IV FWT	39,078	421	147	\$29.20	\$1.39								
157 421 watt LED Shoebox Bronze V	43,317	421	147	\$29.20	\$1.39								
158 421 watt LED Shoebox Black IV FWT	39,078	421	147	\$29.20	\$1.39								
159 421 watt LED Shoebox Black V	43,317	421	147	\$29.20	\$1.39								
163 50 watt LED Shoebox Pedestrian Bronze	3,130	50	17	\$12.91	\$1.39								
164 50 watt LED Shoebox Pedestrian Black	3,130	50	17	\$14.05	\$1.39								
169 150 watt LED Teardrop	8,472	150	52	\$28.54	\$1.39								
181 150 watt LED Sanibel	10,820	150	52	\$21.31	\$1.39								
182 60 watt LED Biscayne	4,655	60	21	\$19.11	\$1.39								
183 150 watt LED Clermont	15,375	150	52	\$29.28	\$1.39								
184 40 watt LED ATBS Roadway, Overhead Feed	4,195	40	14	\$4.57	\$1.39								
185 40 watt LED ATBS Roadway, Underground Feed	4,195	40	14	\$6.06	\$1.39								
186 70 watt LED ATBS Roadway, Overhead Feed	8,200	70	24	\$5.35	\$1.39								
187 70 watt LED ATBS Roadway, Underground Feed	8,200	70	24	\$6.85	\$1.39								
193 50 watt LED Clermont	7,451	50	18	\$26.91	\$1.39								
191 130 watt LED Flood Overhead Feed	13,729	130	46	\$10.57	\$1.39								
194 130 watt LED Flood Underground Feed	13,729	130	46	\$12.06	\$1.39								
192 260 watt LED Flood Overhead Feed	30,238	260	91	\$16.86	\$1.39								
195 260 watt LED Flood Underground Feed	30,238	260	91	\$18.35	\$1.39								
196 70 watt LED Amber Roadway Overhead	4,133	70	25	\$11.28	\$1.39								
197 70 watt LED Amber Roadway Underground	4,133	70	25	\$12.77	\$1.39								
198 110 watt LED Amber Roadway Overhead	5,408	110	39	\$13.55	\$1.39								
199 110 watt LED Amber Roadway Underground	5,408	110	39	\$15.04	\$1.39								
130 50 watt LED Monticello 3000 Kelvin	4,430	50	17.5	\$20.16	\$1.39								
				<b>Pol Rent Rate (8) *</b>									
				<b>1.82%</b>									
452 36ft Aluminum Breakaway Pole				\$43.51									
453 46ft Aluminum Breakaway Pole				\$46.87									
457 46ft OAL Aluminum I-Drive Multi-Use Pole				\$75.92									
442 40ft OAL Conc Static Cast Multi-Use Pole				\$46.18									
443 45ft OAL Conc Static Cast Multi-Use Pole				\$48.73									
451 36ft OAL Aluminum Multi-Use Pole, Brz				\$84.19									
422 36ft OAL Aluminum Fluted Multi-Use Pole				\$117.51									
423 29ft OAL Aluminum Fluted Multi-Use Pole				\$113.25									
424 36ft OAL Aluminum 10" Multi-Use Pole, Blk				\$101.90									
454 35ft OAL Promenade Receptacle Pole, Blk				\$40.22									

Notes:

- Column (1) DEF material (fixture or pole)
- Column (2) DEF photo control
- Column (3) DEF labor to install (fixture or pole)
- Column (4) [REDACTED]
- Column (5) Overhead service wire allocation
- Column (6) [REDACTED]
- Column (7) [REDACTED]
- Column (8) Total installed cost
- Column (F) 1.59% - PEF current approved fixture rate per Lighting Tariff Sheet No. 6.283
- Column (F) 1.82% = DEF current approved pole rate per Lighting Tariff Sheet No. 6.283
- n/a Fleet loader and Design Eng & PM were combined into Supv & Mgmt for 2018

**Duke Energy Florida**  
**2014 LED Maintenance Rate Detail**  
**Docket No. 20190023 DR1**

Three trips are estimated to be needed for LED luminaire repair over a 30 year life.

Trip 1 Replace Driver at approximately 15 years. At the same time, replace Photocell if it has not been replaced in the last ten years.

Labor & OH's	\$ 88.54
Materials & OH's	<u>\$ 203.70</u>
Total	\$ 292.24
<b>Monthly Cost</b>	\$ 0.81

Trip 2 Replace Surge Protection or Photocell.

Labor & OH's	\$ 88.54
Materials & OH's	<u>\$ 30.31</u>
Total	\$ 118.85
<b>Monthly Cost</b>	\$ 0.33

Trip 3 Repair or service LED luminaire for various failure modes. Connection, Repeat Trip, MOT/Traffic Control, Cleaning, Wind Related Issues

Labor & OH's	\$ 88.54
Materials & OH's	<u>\$ 1.87</u>
Total	\$ 90.41
<b>Monthly Cost</b>	\$ 0.25

<b>Total Monthly Cost</b>	<u><u>\$ 1.39</u></u>
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**RATE SCHEDULE LS-1  
 LIGHTING SERVICE**

**Availability:**

Available throughout the entire territory served by the Company.

**Applicable:**

To any customer for the sole purpose of lighting roadways or other outdoor land use areas; served from either Company or customer owned fixtures of the type available under this rate schedule. Service hereunder is provided for the sole and exclusive benefit of the customer, and nothing herein or in the contract executed hereunder is intended to benefit any third party or to impose any obligation on the Company to any such third party.

**Character of Service:**

Continuous dusk to dawn automatically controlled lighting service (i.e. photoelectric cell); alternating current, 60 cycle, single phase, at the Company's standard voltage available.

**Limitation of Service:**

Availability of certain fixture or pole types at a location may be restricted due to accessibility.

Standby or resale service not permitted hereunder. Service under this rate is subject to the Company's currently effective and filed "General Rules and Regulations Governing Electric Service."

**Rate Per Month:**

**Customer Charge:**

Unmetered: \$ 1.31 per line of billing  
 Metered: \$ 3.77 per line of billing

**Energy and Demand Charge:**

Non-Fuel Energy Charge: 2.547¢ per kWh

Plus the Cost Recovery Factors listed in Rate Schedule BA-1, *Billing Adjustments*, except the Fuel Cost Recovery Factor and Asset Securitization Charge Factor:

See Sheet No. 6.105 and 6.106

**Per Unit Charges:**

**I. Fixtures:**

BILLING TYPE	DESCRIPTION	LAMP SIZE <sup>2</sup>			CHARGES PER UNIT		
		INITIAL LUMENS OUTPUT	LAMP WATTAGE	kWh	FIXTURE	MAINTENANCE	NON-FUEL ENERGY <sup>3</sup>
<b>Incandescent: <sup>1</sup></b>							
110	Roadway	1,000	105	32	\$1.03	\$4.07	\$0.82
115	Roadway	2,500	205	66	1.61	3.67	1.68
170	Post Top	2,500	205	72	20.39	3.67	1.83
<b>Mercury Vapor: <sup>1</sup></b>							
205	Open Bottom	4,000	100	44	\$2.55	\$1.80	\$1.12
210	Roadway	4,000	100	44	2.95	1.80	1.12
215	Post Top	4,000	100	44	3.47	1.80	1.12
220	Roadway	8,000	175	71	3.34	1.77	1.81
225	Open Bottom	8,000	175	71	2.50	1.77	1.81
235	Roadway	21,000	400	158	4.04	1.81	4.02
240	Roadway	62,000	1,000	386	5.29	1.78	9.83
245	Flood	21,000	400	158	5.29	1.81	4.02
250	Flood	62,000	1,000	386	6.20	1.78	9.83

(Continued on Page No. 2)

ISSUED BY: Javier J. Portuondo, Managing Director Rates & Regulatory Strategy – FL

EFFECTIVE: **January 1, 2019**



RATE SCHEDULE LS-1  
 LIGHTING SERVICE  
 (Continued from Page No. 1)

I. Fixtures: (Continued)

BILLING TYPE	DESCRIPTION	LAMP SIZE <sup>2</sup>			CHARGES PER UNIT		
		INITIAL LUMENS OUTPUT	LAMP WATTAGE	kWh	FIXTURE	MAINTENANCE	NON-FUEL ENERGY <sup>3</sup>
	<b>Sodium Vapor: <sup>1</sup></b>						
300	HPS Deco Rdwy White	50,000	400	168	\$14.73	\$1.61	\$4.28
301	Sandpiper HPS Deco Roadway	27,500	250	104	13.81	1.72	2.65
302	Sandpiper HPS Deco Rdwy B k	9,500	100	42	14.73	1.58	1.07
305	Open Bottom <sup>4</sup>	4,000	50	21	2.54	2.04	0.53
310	Roadway <sup>4</sup>	4,000	50	21	3.12	2.04	0.53
313	Open Bottom <sup>4</sup>	6,500	70	29	4.19	2.05	0.74
314	Hometown II	9,500	100	42	4.08	1.72	1.07
315	Post Top - Colonial/Contemp <sup>4</sup>	4,000	50	21	5.04	2.04	0.53
316	Colonial Post Top <sup>4</sup>	4,000	50	34	4.05	2.04	0.87
318	Post Top <sup>4</sup>	9,500	100	42	2.50	1.72	1.07
320	Roadway-Overhead Only	9,500	100	42	3.64	1.72	1.07
321	Deco Post Top - Monticello	9,500	100	49	12.17	1.72	1.25
322	Deco Post Top - Flagler	9,500	100	49	16.48	1.72	1.25
323	Roadway-Turtle OH Only	9,500	100	42	4.32	1.72	1.07
325	Roadway-Overhead Only	16,000	150	65	3.78	1.75	1.66
326	Deco Post Top – Sanibel	9,500	100	49	18.16	1.72	1.25
330	Roadway-Overhead Only	22,000	200	87	3.64	1.83	2.22
335	Roadway-Overhead Only	27,500	250	104	4.16	1.72	2.65
336	Roadway-Bridge <sup>4</sup>	27,500	250	104	6.74	1.72	2.65
337	Roadway-DOT <sup>4</sup>	27,500	250	104	5.87	1.72	2.65
338	Deco Roadway–Maitland	27,500	250	104	9.62	1.72	2.65
340	Roadway-Overhead Only	50,000	400	169	5.03	1.76	4.30
341	HPS Flood-City of Sebring only <sup>4</sup>	16,000	150	65	4.06	1.75	1.66
342	Roadway-Turnpike <sup>4</sup>	50,000	400	168	8.95	1.76	4.28
343	Roadway-Turnpike <sup>4</sup>	27,500	250	108	9.12	1.72	2.75
345	Flood-Overhead Only	27,500	250	103	5.21	1.72	2.62
347	Clermont	9,500	100	49	20.65	1.72	1.25
348	Clermont	27,500	250	104	22.65	1.72	2.65
350	Flood-Overhead Only	50,000	400	170	5.19	1.76	4.33
351	Underground Roadway	9,500	100	42	6.22	1.72	1.07
352	Underground Roadway	16,000	150	65	7.58	1.75	1.66
354	Underground Roadway	27,500	250	108	8.10	1.72	2.75
356	Underground Roadway	50,000	400	168	8.69	1.76	4.28
357	Underground Flood	27,500	250	108	9.36	1.72	2.75
358	Underground Flood <sup>4</sup>	50,000	400	168	9.49	1.76	4.28
359	Underground Turtle Roadway	9,500	100	42	6.09	1.72	1.07
360	Deco Roadway Rectangular <sup>4</sup>	9,500	100	47	12.53	1.72	1.20
365	Deco Roadway Rectangular	27,500	250	108	11.89	1.72	2.75
366	Deco Roadway Rectangular	50,000	400	168	12.00	1.76	4.28
370	Deco Roadway Round <sup>4</sup>	27,500	250	108	15.41	1.72	2.75
375	Deco Roadway Round <sup>4</sup>	50,000	400	168	15.42	1.76	4.28
380	Deco Post Top – Ocala	9,500	100	49	8.78	1.72	1.25
381	Deco Post Top <sup>4</sup>	9,500	100	49	4.05	1.72	1.25
383	Deco Post Top-Biscayne	9,500	100	49	14.17	1.72	1.25
385	Deco Post Top – Sebring	9,500	100	49	6.75	1.72	1.25
393	Deco Post Top <sup>4</sup>	4,000	50	21	8.72	2.04	0.53
394	Deco Post Top <sup>4</sup>	9,500	100	49	18.16	1.72	1.25

(Continued on Page No. 3)



RATE SCHEDULE LS-1  
 LIGHTING SERVICE  
 (Continued from Page No. 2)

I. Fixtures: (Continued)

BILLING TYPE	DESCRIPTION	LAMP SIZE <sup>2</sup>			CHARGES PER UNIT		
		INITIAL LUMENS OUTPUT	LAMP WATTAGE	kWh	FIXTURE	MAINTENANCE	NON-FUEL ENERGY <sup>3</sup>
<b>Metal Halide: <sup>1</sup></b>							
307	Deco Post Top-MH San bel P	11,600	150	65	\$16.85	\$2.68	\$1.66
308	Clermont Tear Drop P	11,600	150	65	19.91	2.68	1.66
309	MH Deco Rectangular P	36,000	320	126	13.07	2.74	3.21
311	MH Deco Cube P	36,000	320	126	15.98	2.74	3.21
312	MH Flood P	36,000	320	126	10.55	2.74	3.21
319	MH Post Top Biscayne P	11,600	150	65	15.24	2.68	1.66
327	Deco Post Top-MH San bel <sup>4</sup>	12,000	175	74	18.39	2.72	1.88
349	Clermont Tear Drop <sup>4</sup>	12,000	175	74	21.73	2.72	1.88
371	MH Deco Rectangular <sup>4</sup>	38,000	400	159	14.26	2.84	4.05
372	MH Deco Circular <sup>4</sup>	38,000	400	159	16.70	2.84	4.05
373	MH Deco Rectangular <sup>4,5</sup>	110,000	1,000	378	15.30	2.96	9.63
386	MH Flood <sup>4,5</sup>	110,000	1,000	378	13.17	2.96	9.63
389	MH Flood-Sportslighter <sup>4,5</sup>	110,000	1,000	378	13.01	2.96	9.63
390	MH Deco Cube <sup>4</sup>	38,000	400	159	17.44	2.84	4.05
396	Deco PT MH San bel Dual <sup>5</sup>	24,000	350	148	33.73	5.43	3.77
397	MH Post Top-Biscayne <sup>4</sup>	12,000	175	74	14.98	2.72	1.88
398	MH Deco Cube <sup>4,5</sup>	110,000	1,000	378	20.34	2.96	9.63
399	MH Flood	38,000	400	159	11.51	2.84	4.05
<b>Light Emitting Diode (LED):</b>							
106	Underground San bel	5,500	70	25	\$20.80	\$1.39	\$0.64
107	Underground Traditional Open	3,908	49	17	13.57	1.39	0.43
108	Underground Traditional w/Lens	3,230	49	17	13.57	1.39	0.43
109	Underground Acorn	4,332	70	25	20.16	1.39	0.64
111	Underground Mini Bell	2,889	50	18	17.88	1.39	0.46
<u>121</u>	<u>Shoebox Bronze III</u>	<u>21,164</u>	<u>213</u>	<u>75</u>	<u>20.42</u>	<u>1.39</u>	<u>1.91</u>
<u>122</u>	<u>Shoebox Bronze IV</u>	<u>20,555</u>	<u>213</u>	<u>75</u>	<u>20.42</u>	<u>1.39</u>	<u>1.91</u>
<u>123</u>	<u>Shoebox Bronze V</u>	<u>21,803</u>	<u>213</u>	<u>75</u>	<u>20.42</u>	<u>1.39</u>	<u>1.91</u>
<u>124</u>	<u>Shoebox Black III</u>	<u>21,164</u>	<u>213</u>	<u>75</u>	<u>20.42</u>	<u>1.39</u>	<u>1.91</u>
<u>126</u>	<u>Shoebox Black IV FWT</u>	<u>20,555</u>	<u>213</u>	<u>75</u>	<u>20.42</u>	<u>1.39</u>	<u>1.91</u>
<u>127</u>	<u>Shoebox Black V</u>	<u>21,803</u>	<u>213</u>	<u>75</u>	<u>20.42</u>	<u>1.39</u>	<u>1.91</u>
<u>130</u>	<u>Monticello 3000 Kelvin</u>	<u>4,430</u>	<u>50</u>	<u>17.5</u>	<u>20.16</u>	<u>1.39</u>	<u>0.45</u>
133	ATBO Roadway	4,521	48	17	6.22	1.39	0.43
134	Underground ATBO Roadway	4,521	48	17	7.71	1.39	0.43
136	Roadway	9,233	108	38	7.05	1.39	0.97
137	Underground Roadway	9,233	108	38	8.55	1.39	0.97
138, 176	Roadway	18,642	216	76	11.61	1.39	1.94
139	Underground Roadway	18,642	216	76	13.11	1.39	1.94
141, 177	Roadway	24,191	284	99	14.08	1.39	2.52
142, 162	Underground Roadway	24,191	284	99	15.58	1.39	2.52
147, 174	Roadway	12,642	150	53	9.74	1.39	1.35
148	Underground Roadway	12,642	150	53	11.24	1.39	1.35
151	ATBS Roadway	4,500	49	17	5.07	1.39	0.43
<u>156</u>	<u>Shoebox Bronze IV FWT</u>	<u>39,078</u>	<u>421</u>	<u>147</u>	<u>29.20</u>	<u>1.39</u>	<u>3.74</u>
<u>157</u>	<u>Shoebox Bronze V</u>	<u>43,317</u>	<u>421</u>	<u>147</u>	<u>29.20</u>	<u>1.39</u>	<u>3.74</u>
<u>158</u>	<u>Shoebox Black IV FWT</u>	<u>39,078</u>	<u>421</u>	<u>147</u>	<u>29.20</u>	<u>1.39</u>	<u>3.74</u>
<u>159</u>	<u>Shoebox Black V</u>	<u>43,317</u>	<u>421</u>	<u>147</u>	<u>29.20</u>	<u>1.39</u>	<u>3.74</u>
<u>163</u>	<u>Shoebox Pedestrian Bronze</u>	<u>3,130</u>	<u>50</u>	<u>17</u>	<u>12.91</u>	<u>1.39</u>	<u>0.43</u>
<u>164</u>	<u>Shoebox Pedestrian Black</u>	<u>3,130</u>	<u>50</u>	<u>17</u>	<u>14.05</u>	<u>1.39</u>	<u>0.43</u>
167	Underground Mitchell	5,186	50	18	21.44	1.39	0.46
168	Underground Mitchell w/Top Hat	4,336	50	18	21.44	1.39	0.46

(Continued on Page No. 4)

**RATE SCHEDULE LS-1**  
**LIGHTING SERVICE**  
(Continued from Page No. 3)

**I. Fixtures: (Continued)**

<b>BILLING TYPE</b>	<b>DESCRIPTION</b>	<b>LAMP SIZE <sup>2</sup></b>			<b>CHARGES PER UNIT</b>		
		<b>INITIAL LUMENS OUTPUT</b>	<b>LAMP WATTAGE</b>	<b>kWh</b>	<b>FIXTURE</b>	<b>MAINTENANCE</b>	<b>NON-FUEL ENERGY <sup>3</sup></b>
<b>Light Emitting Diode (LED):</b>							
<b>Continued</b>							
169	Teardrop	8,472	150	52	28.54	1.39	1.32
181	Sanibel	10,820	150	52	21.31	1.39	1.32
182	Biscayne	4,655	60	21	19.11	1.39	0.53
183	Clermont	15,375	150	52	29.28	1.39	1.32
184	ATBS Roadway, Overhead Feed	4,195	40	14	4.57	1.39	0.36
185	ATBS Roadway, Underground Feed	4,195	40	14	6.06	1.39	0.36
186	ATBS Roadway, Overhead Feed	8,200	70	24	5.35	1.39	0.61
187	ATBS Roadway, Underground Feed	8,200	70	24	6.85	1.39	0.61
191	Flood Overhead Feed	13,729	130	46	10.57	1.39	1.17
192	Flood Overhead Feed	30,238	260	91	16.86	1.39	2.32
193	Clermont	7,451	50	18	26.91	1.39	0.46
194	Flood Underground Feed	13,729	130	46	12.06	1.39	1.17
195	LED Flood Underground Feed	30,238	260	91	18.35	1.39	2.32
196	Amber Roadway Overhead	4,133	70	25	11.28	1.39	0.64
197	Amber Roadway Underground	4,133	70	25	12.77	1.39	0.64
198	Amber Roadway Overhead	5,408	110	39	13.55	1.39	0.99
199	Amber Roadway Underground	5,408	110	39	15.04	1.39	0.99
361	Roadway <sup>1</sup>	6,000	95	33	16.93	2.43	0.84
362	Roadway <sup>1</sup>	9,600	157	55	20.07	2.43	1.40
363	Shoebox Type 3 <sup>1</sup>	20,664	309	108	41.08	2.84	2.75
364	Shoebox Type 4 <sup>1</sup>	14,421	206	72	32.59	2.84	1.83
367	Shoebox Type 5 <sup>1</sup>	14,421	206	72	31.65	2.84	1.83
369	Underground Biscayne	6,500	80	28	18.60	1.39	0.71

(Continued on Page No. 5)



SECTION NO. VI

~~EIGHTEENTH NINETEENTH~~ REVISED SHEET NO. 6.282  
 CANCELS ~~SEVENTEENTH EIGHTEENTH~~ REVISED SHEET

NO 6 282

RATE SCHEDULE LS-1  
 LIGHTING SERVICE  
 (Continued from Page No. 34)

II. POLES

BILLING TYPE	DESCRIPTION	CHARGE PER UNIT
404	35' Deco Concrete – Mariner	\$22.35
405	Concrete, 30/35'	5.05
406	16' Deco Conc – Single Sanibel	11.70
407	16' Decon Conc – Double Sanibel	12.61
408	26' Aluminum DOT Style Pole	45.92
409	36' Aluminum DOT Style Pole	54.80
410	Concrete, 15' <sup>1</sup>	2.31
411	16' Octagonal Conc <sup>1</sup>	2.18
412	32' Octagonal Deco Concrete	16.29
413	25' Tenon Top Concrete	11.84
415	Concrete, Curved <sup>1</sup>	4.77
418	35' Tenon Top Black Concrete	20.14
420	Wood, 30/35'	2.17
<u>422</u>	<u>36ft OAL Aluminum Fluted Multi-Use Pole</u>	<u>117.51</u>
<u>423</u>	<u>29ft OAL Aluminum Fluted Multi-Use Pole</u>	<u>113.25</u>
<u>424</u>	<u>36ft OAL Aluminum 10" Multi-Use Pole</u>	<u>101.90</u>
425	Wood, 14' Laminated <sup>1</sup>	2.38
428	Deco Fiberglass, 35', Bronze, Reinforced <sup>1</sup>	19.11
429	Deco Fiberglass, 41', Bronze, Reinforced <sup>1</sup>	31.54
430	Fiberglass, 14', Black <sup>1</sup>	2.51
431	Deco Fiberglass, 41', Bronze <sup>1</sup>	17.18
432	Deco Fiberglass, 35', Bronze, Anchor Base <sup>1</sup>	27.49
433	Deco Fiberglass, 35', Bronze <sup>1</sup>	13.60
434	Deco Fiberglass, 20', Black, Deco Base <sup>1</sup>	12.47
435	Aluminum, Type A <sup>1</sup>	6.59
436	Deco Fiberglass, 16', Black, Fluted <sup>1</sup>	19.50
437	Fiberglass, 16', Black, Fluted, Dual Mount <sup>1</sup>	21.94
438	Deco Fiberglass, 20', Black <sup>1</sup>	5.85
439	Black Fiberglass 16'	19.78
440	Aluminum, Type B <sup>1</sup>	7.33
441	15' Black Aluminum	6.54
<u>442</u>	<u>40ft OAL Conc Static Cast Multi-Use Pole</u>	<u>46.18</u>
<u>443</u>	<u>45ft OAL Conc Static Cast Multi-Use Pole</u>	<u>48.73</u>
445	Aluminum, Type C <sup>1</sup>	14.33
446	Deco Fiberglass, 30', Bronze <sup>1</sup>	11.57
447	Deco Fiberglass, 35', Silver, Anchor Base <sup>1</sup>	21.40
448	Deco Fiberglass, 41', Silver <sup>1</sup>	18.00
449	Deco Fiberglass, 16', Black, Fluted, Anchor Base <sup>1</sup>	17.35
450	Concrete, 1/2 Special	1.75
<u>451</u>	<u>36ft OAL Aluminum Multi-Use Pole</u>	<u>84.19</u>
<u>452</u>	<u>36ft Aluminum Breakaway Pole</u>	<u>43.51</u>
<u>453</u>	<u>46ft Aluminum Breakaway Pole</u>	<u>46.87</u>
<u>454</u>	<u>35ft OAL Promenade Receptacle Pole</u>	<u>40.22</u>
455	Steel, Type A <sup>1</sup>	4.11
<u>457</u>	<u>46ft OAL Aluminum I-Drive Multi-Use Pole</u>	<u>75.92</u>
460	Steel, Type B <sup>1</sup>	4.41
465	Steel, Type C <sup>1</sup>	6.17
466	16' Deco Con Vic II – Dual Mount	18.06
467	16' Deco Conc Washington – Dual	25.87
468	16' Deco Conc Colonial – Dual Mount	13.35
469	35' Tenon Top Quad Flood Mount	13.63
470	45' Tenon Top Quad Flood Mount	18.90
471	22' Deco Concrete	14.99
472	22' Deco Conc Single San bel	16.03
473	22' Deco Conc Double San bel	17.26
474	22' Deco Conc Double Mount	18.74
476	25' Tenon Top Bronze Concrete	17.54
477	30' Tenon Top Bronze Concrete	18.70
478	35' Tenon Top Bronze Concrete	20.14
479	41' Tenon Top Bronze Concrete	24.33
480	Wood, 40/45'	5.25
481	30' Tenon Top Concrete, Single Flood Mount	10.06
482	30' Tenon Top Conc, Double Flood Mount/Includes Bracket	12.29
483	46' Tenon Top Conc, Triple Flood Mount/Includes Bracket	18.80
484	46' Tenon Top Conc, Double Flood Mount/Includes Bracket	18.50
485	Concrete, 40/45'	10.19
486	Tenon Style Concrete 46' Single Flood Mount	15.31
487	35' Tenon Top Conc, Triple Flood Mount/Includes Bracket	13.53

(Continued on Page No. 56)

ISSUED BY: Javier J. Portuondo, Managing Director Rates & Regulatory Strategy – FL

EFFECTIVE: January 5, 2016



SECTION NO. VI

~~EIGHTEENTH NINETEENTH~~ REVISED SHEET NO. 6.282  
CANCELS ~~SEVENTEENTH EIGHTEENTH~~ REVISED SHEET

NO 6-282

Page 5 of 68

488	35' Tenon Top Conc, Double Flood Mount/Includes Bracket	13.23
489	35' Tenon Top Concrete, Single Flood Mount	11.00

(Continued on Page No. 56)

ISSUED BY: Javier J. Portuondo, Managing Director Rates & Regulatory Strategy – FL

EFFECTIVE: January 5, 2016

**RATE SCHEDULE LS-1**  
**LIGHTING SERVICE**  
(Continued from Page No. 5)

**II. POLES**

490	Special Concrete 13'- <sup>4</sup>	17.39
491	30' Tenon Top Conc, Triple Flood Mount/Includes Bracket	12.60
492	16' Smooth Decorative Concrete/The Colonial	8.99
493	19' White Aluminum- <sup>3</sup>	25.87
494	46' Tenon Top Concrete/Non-Flood Mount/1-4 Fixtures	16.27
495	Dual Mount 20' Fiberglass <sup>4</sup>	10.84
496	30' Tenon Top Concrete/Non-Flood Mount/1-4 Fixtures	12.44
497	16' Decorative Concrete w/decorative base/The Washington	21.77

<b>BILLING TYPE</b>	<b>DESCRIPTION</b>	<b>CHARGE PER UNIT</b>
490	Special Concrete 13'- <sup>1</sup>	17.39
491	30' Tenon Top Conc, Triple Flood Mount/Includes Bracket	12.60
492	16' Smooth Decorative Concrete/The Colonial	8.99
493	19' White Aluminum <sup>1</sup>	25.87
494	46' Tenon Top Concrete/Non-Flood Mount/1-4 Fixtures	16.27
495	Dual Mount 20' Fiberglass <sup>1</sup>	10.84
496	30' Tenon Top Concrete/Non-Flood Mount/1-4 Fixtures	12.44
497	16' Decorative Concrete w/decorative base/The Washington	21.77
498	35' Tenon Top Concrete/Non-Flood Mount/1-4 Fixtures	13.37
499	16' Decorative Concrete-Vic II	13.07

(Continued on Page No. 7)

**ISSUED BY: Javier J. Portuondo, Managing Director Rates & Regulatory Strategy – FL**

**EFFECTIVE:**



**RATE SCHEDULE LS-1  
 LIGHTING SERVICE**  
 (Continued from Page No. 64)

**III. Additional Facilities**

**BILLING TYPE**

**Electrical Pole Receptacle <sup>4</sup>**

<b>401</b>	<b>Single</b>	\$3.00 per unit
<b>402</b>	<b>Double</b>	\$3.90 per unit

Notes to Per Unit Charges:

- (1) Restricted to existing installations.
- (2) Lumens output ~~and wattage ratings may vary with lamp configuration and/or age may vary with lamp configuration and age.~~  
~~Wattage ratings do not include ballast losses. Actual wattage may vary up to +/- 5 watts.~~
- (3) Shown for information only. Energy charges are billed by applying the foregoing energy and demand charges to the total monthly kWh.
- (4) Electric use permitted only during the period of October through January, only on poles designated by the Company. Energy charged separately. Customers must notify Company of installation of customer-owned receptacles prior to such installation.
- (5) Special applications only.

**Additional Charges:**

Fuel Cost Recovery Factor:	See Sheet No. 6.105
Asset Securitization Charge Factor:	See Sheet No. 6.105
Gross Receipts Tax Factor:	See Sheet No. 6.106
Right-of-Way Utilization Fee:	See Sheet No. 6.106
Municipal Tax:	See Sheet No. 6.106
Sales Tax:	See Sheet No. 6.106

**Minimum Monthly Bill:**

The minimum monthly bill shall be the sum of the Customer Charge and applicable Fixture, Maintenance and Pole Charges.

**Terms of Payment:**

Bills rendered hereunder are payable within the time limit specified on bill at Company-designated locations.

**Terms of Service:**

Service under this rate schedule shall be for a minimum initial term of ten (10) years from the commencement of service and shall continue thereafter until terminated by either party by written notice sixty (60) days prior to termination. Upon early termination of service under this schedule, the customer shall pay an amount equal to the remaining monthly lease amount for the term of contract including Contribution in Aid of Construction ("CIAC") under Special Provision No.16, applicable Customer Charges and removal cost of the facilities.

**Special Provisions:**

1. The customer shall execute a contract on the Company's standard filed contract form for service under this rate schedule.
2. Where the Company provides a fixture or pole type other than those listed above, the monthly charges, as applicable shall be computed as follows:
  - I. Fixture
    - (a) Fixture Charge: 1.59% of the Company's average installed cost.
    - (b) Maintenance Charge: The Company's estimated cost of maintaining fixture.
  - II. Pole
    - Pole Charge: 1.82% of installed cost.
3. The customer shall be responsible for the cost incurred to repair or replace any fixture or pole which has been willfully damaged. The Company shall not be required to make such repair or replacement prior to payment by the customer for damage.
4. Maintenance Service for customer-owned fixtures at charges stated hereunder shall be restricted to fixtures being maintained as of November 1, 1992.

(Continued on Page No. 67)



**RATE SCHEDULE LS-1  
LIGHTING SERVICE**  
(Continued from Page No. ~~57~~)

**Special Provisions: (Continued)**

5. kWh consumption for Company-owned fixtures shall be estimated in lieu of installing meters. kWh estimates will be made using the following formula:

$$\text{kWh} = \frac{\text{Unit Wattage (including ballast losses)} \times 350 \text{ hours per month}}{1,000}$$

6. kWh consumption for customer-owned fixtures shall be metered. Installation of customer-owned lighting facilities shall be provided for by the customer. Any costs incurred by the Company to provide for consolidation of existing lighting facilities for the purpose of metering shall be at the customer's expense.
7. No Pole Charge shall be applicable for a fixture installed on a company-owned pole which is utilized for other general electrical distribution purposes.
8. The Company will repair or replace malfunctioning lighting fixtures maintained by the Company in accordance with Section 768.1382, Florida Statutes (2005).
9. For a fixture type and/or pole type restricted to existing installations and requiring major renovation or replacement, the fixture and/or pole shall be replaced by an available similar non-restricted fixture and/or pole and the customer shall commence being billed at its appropriate rate. Where the customer requests the continued use of the same fixture type and/or pole type for appearance reasons, the Company will attempt to provide such fixture and/or pole and the customer shall commence being billed at a rate determined in accordance with Special Provision No. 2 for the cost of the renovated or replaced fixture and/or pole.
10. The customer will be responsible for trimming trees and other vegetation that obstruct the light output from fixture(s) or maintenance access to the facilities.
11. After December 31, 1998, all new leased lighting shall be installed on poles owned by the Company.
12. Alterations to leased lighting facilities requested by the customer after date of installation (i.e. redirect, install shields, etc.), will be billed to the customer in accordance with the Company's policy related to "Work Performed for the Public".
13. Service for street or area lighting is normally provided from existing distribution facilities. Where suitable distribution facilities do not exist, it will be the customer's responsibility to pay for necessary additional facilities. Refer to Section III, paragraph 3.01 of the Company's General Rules and Regulations Governing Electric Service to determine the CIAC owed by the customer.
14. Requests for exchanging facilities, upgrades, relocations, removals etc. are subject to Section III, paragraph 3.05, of the Company's General Rules and Regulations Governing Electric Service.
15. For available LEDs, the customer may opt to make an initial, one-time Contribution in Aid of Construction payment of 50% of the installed cost of fixtures rated greater than 200 Watts and/or poles other than standard wood poles, to reduce the Company's installed cost. If a customer chooses this option, the monthly fixture and/or pole charge shall be computed as the reduced installed cost times the corresponding monthly percentage in 2.I.(a) and/or 2.II above.
16. As an alternative to making an initial one-time CIAC payment to extend distribution facilities to render lighting service, as referenced in Special Provision No. 13, the customer may elect to pay a monthly fee of 1.59% of the calculated CIAC amount.