

**KyPSC Case No. 2019-00271**  
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**Duke Energy Kentucky**  
**Case No. 2019-00271**  
**Staff's Second Set Rehearing Data Requests**  
**Date Received: July 17, 2020**

**STAFF-RHDR-02-001**

**REQUEST:**

Refer to Duke Kentucky's response to Commission Staff's Third Request for Information, Item 5. For each component of the Levelized Fixed Cost Rate, explain why customers choosing to pay for additional facilities monthly should be responsible for each component, and explain why a customer choosing to pay upfront for additional facilities should not be responsible for each component.

**RESPONSE:**

The Commercial Activity Tax listed in the response to Commission Staff's Third Request for Information Item 5 was included in error. See response to STAFF-RHDR-02-014 for the revised calculation. All other components listed are expenses that the Company would incur, including the allowed rate of return that is included in the normal rate making process. If not collected from the lighting customer causing the need for or requesting the additional facilities, then these costs would be collected from other customers. Since the Company is not investing capital if the customer pays up front, then most of these costs would not be incurred. An argument could be made that the Property Taxes and Insurance costs would still be incurred, but these costs are relatively small, so for the sake of simplicity, customers who choose to pay up front are just asked to pay the cost of the additional facilities.

**PERSON RESPONSIBLE:** Jeff L. Kern

**Duke Energy Kentucky**  
**Case No. 2019-00271**  
**Staff's Second Set Rehearing Data Requests**  
**Date Received: July 17, 2020**

**STAFF-RHDR-02-002**

**REQUEST:**

Refer to Duke Kentucky's response to Commission Staff's First Rehearing Request for Information (Staff's First Rehearing Request), Items 2 and 5(c), Attachment 2.

- a. Explain why the capital budget does not include "Capital Challenge" amounts while the capital additions do include "Capital Challenge" amounts.
- b. Refer also to Duke Kentucky's response to Commission Staff's Second Request for Information (Staff's Second Request), Item 8, Attachment. Confirm that "Capital Challenge" is budgeted at \$5 million per calendar year. If this cannot be confirmed, provide the "Capital Challenge" amount budgeted for 2019 and 2020.

**RESPONSE:**

- a. The capital expenditures budget does include "Capital Challenge" amounts. Those amounts are included within "Normal Recurring Construction" as shown on STAFF-RHDR-01-002 Attachment.
- b. Confirmed.

**PERSON RESPONSIBLE:** Christopher Jacobi

**Duke Energy Kentucky  
Case No. 2019-00271  
Staff's Second Set Rehearing Data Requests  
Date Received: July 17, 2020**

**STAFF-RHDR-02-003**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Rehearing Request, Item 2, Attachment.

Using the same format, provide the forecasted Construction Work in Progress (CWIP) amounts at December 31, 2019, and December 31, 2020.

**RESPONSE:**

Please see STAFF-RHDR-02-003 Attachment.

**PERSON RESPONSIBLE:** Christopher Jacobi

**Duke Energy Kentucky, Inc.**  
**Case No. 2019-00271**  
**Construction Work in Process Balances**  
**Years 2019 - 2020**

Line No.	Project ID/Description	CWIP Balance @ 12/31/19	CWIP Balance @ 12/31/20
1	NORMAL RECURRING CONSTRUCTION	19,198,404	23,397,804
2			
3	EB021409 - U2 Lime Injection System	0	0
4	EB020860 - Convert Pozotec from Waste to Paste	0	0
5	Woodsdale - New Generation	0	17,224,732
6	WDC00004 - Install Fuel Oil System (Woodsdale)	0	0
7	Battery Storage Facility	0	0
8	Solar Generation Facility	0	0
9	M180077 - Aero Transmission Supply	7,545,716	0
10	DKY2016 - Donaldson Substation	0	0
11	ESM - EB021281 East Bend Landfill Cell 2	17,692,808	0
12	ESM - EB020745 Lined Retention Basin East	10,555,852	0
13	ESM - EB020298 East Bend SW/PW Reroute	0	0
15	TOTAL	<u>54,992,780</u>	<u>40,622,536</u>

**Duke Energy Kentucky**  
**Case No. 2019-00271**  
**Staff's Second Set Rehearing Data Requests**  
**Date Received: July 17, 2020**

**STAFF-RHDR-02-004**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Rehearing Request, Items 4 and 5(c), Attachment 2, Duke Kentucky's response to Staff's Second Request, Items 6 and 7, and the application, Schedule B-2.2, pages 1 and 2 of 2. Explain why the adjustments to remove assets recovered through Duke Kentucky's Environmental Surcharge Mechanism (ESM) are included in Account 311 if Duke Kentucky included the additions during the base and forecasted period in "Completed Construction Not Classified."

**RESPONSE:**

The adjustment to remove assets recovered through Duke Kentucky's Environmental Surcharge Mechanism (ESM) for the base period was made to Account 311 because the \$41,089,898 represents the actual balances in projects EB020290 (\$10,604,187) and EB020298 (\$30,485,712) as of May 31, 2019, which was the last actual month of the base period. These are the amounts that were included in the Company's ESM filing for the expense month of May 2019 and were recorded to Account 311 in the Company's books. There were no forecasted ESM additions for June 2019 through the end of the base period, November 2019.

In the application, the adjustment of \$69,086,352 for the forecasted period was made to Account 311 because that is where capital expenditures related to environmental projects are recorded. It would have been more accurate to adjust Account 311 in the

forecasted period by \$41,089,898 and then also adjust Completed Construction Not Classified (CCNC) by \$27,996,454, for a total adjustment of \$69,086,352. The Company's approach of reflecting the entire adjustment as a decrease to Account 311 resulted in lower forecasted period depreciation expense in the application and as a result, a lower requested revenue requirement increase. This is because the depreciation accrual rate for Account 311 (3.63%) was higher than the rate for Steam Production CCNC (2.95%).

**PERSON RESPONSIBLE:** Christopher Jacobi

**Duke Energy Kentucky**  
**Case No. 2019-00271**  
**Staff's Second Set Rehearing Data Requests**  
**Date Received: July 17, 2020**

**STAFF-RHDR-02-005**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Rehearing Request, Item 7.

- a. Explain how Duke Kentucky forecasted Allowance for Funds Used During Construction (AFUDC) amounts included in plant in service during the base and forecasted test periods.
- b. Explain how Duke Kentucky forecasted CWIP amounts during the base and forecasted period.
- c. Provide the ratio of debt and equity used to compute AFUDC in the base and forecasted test periods.
- d. Provide the average CWIP balance in 2018 and in 2019 used to calculate the AFDUC balance attributable to normal recurring construction for each of those years as shown in the table attached at Tab 27 of the Application.
- e. Provide an Excel spreadsheet, unlocked with formulas intact, showing how AFDUC balances attributable to normal recurring construction in 2018 and 2019, as shown in the table attached at Tab 27 of the application, were calculated from the average CWIP balance for normal recurring construction in each of those years.

**RESPONSE:**

- a. AFUDC amounts included in plant in service during the base and forecasted test period are calculated by applying AFUDC equity and AFUDC debt rates to



calculated spend balances on a monthly basis. The forecasted AFUDC rates are updated regularly and are based on historical 12-month averages. The entire CWIP balance does not accrue AFUDC. CWIP balances related to short-duration, high turnover construction activities do not accrue AFUDC. These AFUDC amounts are added to plant in service, along with accumulated direct construction spend, as a part of plant additions when the related construction activity is forecasted to be complete. Refer to illustration of AFUDC calculation at STAFF-RHDR-02-005 Attachment.

- b. CWIP balances in the base and forecasted period are calculated as cumulative capital spend not yet closed to plant in service plus the related cumulative AFUDC amounts on that capital spend.
- c. The ratio of debt and equity used in the 12-month historical average calculation of AFUDC rates was 46.4% debt and 53.6% equity.
- d. The average CWIP balance for normal recurring construction in 2019 and 2020 is \$35,164,788 and \$19,940,295, respectively.
- e. The company's forecasting process is to calculate AFUDC on all CWIP balances, other than those expenditures related to certain short-duration activity or expenditures related to ESM projects which are not forecasted to accrue AFUDC, and then to allocate a portion of that total AFUDC to major projects as appropriate for reporting purposes, with the remainder attributable to normal recurring construction. Please see STAFF-RHDR-02-005 Attachment for calculation of total AFUDC and AFUDC attributable to normal recurring construction as reported at Tab 27 of the Application. Please note that the rate of actual AFUDC accrued as a

percentage of CWIP for a given period can vary as construction spend may accrue AFUDC on a monthly, quarterly, semi-annual, or annual basis.

**PERSON RESPONSIBLE:** Christopher Jacobi



**Duke Energy Kentucky  
Case No. 2019-00271  
Staff's Second Set Rehearing Data Requests  
Date Received: July 17, 2020**

**STAFF-RHDR-02-006**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Rehearing Request, Item 8. Using the same format, provide the CWIP balance as of December 31, 2019.

**RESPONSE:**

Please see STAFF-RHDR-02-006 Attachment.

**PERSON RESPONSIBLE:** Christopher Jacobi

**Duke Energy Kentucky**  
**CWIP Balances at December 31, 2019**

Elec - Steam Production Plant

BA - Fossil Steam Plants	1,225,401
BD - Environmental Fossil Plants	81,194
B4 - Fossil Ash Basin Initiative	28,253,129
	<hr/>
	29,559,725

Elec - Other Production Plant

BG - Other Production Plant	-
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Elec - Transmission Plant

FF - Transmission Stations	4,083,918
GG - Transmission Lines	933,400
	<hr/>
	5,017,318

Elec - Distribution Plant

HB - Distribution Substation	9,890,855
HW - Distribution Highway Jobs	300,987
IK - Distrib Lines OH/UG (Line Ext)	2,115,169
IO - Distribution Improvements	333,551
SG - Smart Grid - General	1,854,897
TB - Equipment & Tools	3,332
	<hr/>
	14,498,791

Elec - General & Intangible Plant

IO - Distribution Improvements	6,387
TB - Equipment & Tools	146,453
TD - Office Equipment	528,873
TD - Other - Office Equipment	2,063
VS - Intangible Plant - Software	5,233,171
	<hr/>
	5,916,947

Total	54,992,780
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**Duke Energy Kentucky**  
**Case No. 2019-00271**  
**Staff's Second Set Rehearing Data Requests**  
**Date Received: July 17, 2020**

**STAFF-RHDR-02-007**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Rehearing Request, Item 9. Explain the advantages and disadvantages to a customer of choosing the monthly payment option for additional facilities over paying for the additional facilities upfront or taking service under Rate OL-E.

**RESPONSE:**

The advantage to a customer of choosing the monthly payment option is that there is no upfront cost to the customer. In addition, this option has an advantage over Rate OL-E in that there would be no additional cost to the customer if the equipment needed to be replaced, even if it reaches the end of its useful life. While it is true that if the LED system is kept in place long enough, the ultimate cost could be greater than either the upfront option or the monthly option under Rate OL-E, again, the customer is insulated from replacement costs if the fixtures become damaged or broken.

**PERSON RESPONSIBLE:** Jeff L. Kern

**Duke Energy Kentucky**  
**Case No. 2019-00271**  
**Staff's Second Set Rehearing Data Requests**  
**Date Received: July 17, 2020**

**STAFF-RHDR-02-008**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Rehearing Request, Item 9. Indicate whether Duke Kentucky would inform customers of all options available to them to pay for any necessary additional facilities when they apply for service, including the advantages and disadvantages of each, if the original proposal is approved as filed.

**RESPONSE:**

Duke Energy provides customers with information regarding all options available to them and directs customers to the published tariffs so they can review that information on their own while doing their due diligence, including informing customers that they have the option to purchase their own equipment from third parties.

**PERSON RESPONSIBLE:** Jeff L. Kern

**Duke Energy Kentucky**  
**Case No. 2019-00271**  
**Staff's Second Set Rehearing Data Requests**  
**Date Received: July 17, 2020**

**STAFF-RHDR-02-009**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Rehearing Request, Item 11. If the original proposal was approved as filed, indicate whether a customer could pay part of the costs of the additional facilities upfront in order to lower their monthly payment.

**RESPONSE:**

There is no option for partial payments of additional facilities in Rate LED since it would create a significant administrative burden and customers have not shown a desire for more payment choices beyond 100% upfront or 100% monthly payments.

**PERSON RESPONSIBLE:**            Jeff L. Kern



**Duke Energy Kentucky**  
**Case No. 2019-00271**  
**Staff's Second Set Rehearing Data Requests**  
**Date Received: July 17, 2020**

**STAFF-RHDR-02-010**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Rehearing Request, Item 11. Indicate any other monthly charges customers who chose to pay for the additional facilities upfront or through the monthly payment option would be responsible for under Rate LED.

**RESPONSE:**

The customer would also be paying the monthly fee as listed in the tariff for the lighting equipment (fixtures, poles, pole foundations, brackets and wiring) for which the additional facilities are required.

**PERSON RESPONSIBLE:** Jeff L. Kern

**Duke Energy Kentucky**  
**Case No. 2019-00271**  
**Staff's Second Set Rehearing Data Requests**  
**Date Received: July 17, 2020**

**STAFF-RHDR-02-011**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Rehearing Request, Item 13. Under the original proposal, if the additional facilities are replaced, indicate whether the customer's monthly payment amount would be adjusted. If so, indicate how it would be adjusted. If not, explain why not.

**RESPONSE:**

If the additional facilities require replacement, the equipment would be replaced with no adjustment to the customer's monthly payment.

**PERSON RESPONSIBLE:**            Jeff L. Kern

**Duke Energy Kentucky  
Case No. 2019-00271  
Staff's Second Set Rehearing Data Requests  
Date Received: July 17, 2020**

**STAFF-RHDR-02-012**

**REQUEST:**

Explain how the monthly payment option for additional facilities under Rate LED is reflective of the costs associated with choosing that option.

**RESPONSE:**

Please see response to STAFF-RHDR-02-001.

**PERSON RESPONSIBLE:** Jeff L. Kern

**Duke Energy Kentucky**  
**Case No. 2019-00271**  
**Staff's Second Set Rehearing Data Requests**  
**Date Received: July 17, 2020**

**STAFF-RHDR-02-013**

**REQUEST:**

Explain how customers choosing to pay for additional facilities under Rate LED under the monthly payment option would not be overpaying for the additional facilities compared to a customer choosing to pay for the additional facilities upfront.

**RESPONSE:**

The customer who is paying a monthly rate/charge is financing their procurement of the lighting facilities over time through Duke Energy Kentucky and thus is paying for all the various costs that the Company incurs if the customer chooses that payment option. (See STAFF-RHDR-02-001 for additional information.) This is no different than any other payment over time for any product. For example, a consumer who finances the purchase of a vehicle, furniture, or electronics over time, would avoid the upfront capital cost and in return will ultimately pay more through interest for the item than a customer who pays the total cost up front. This is common practice and not considered "overpaying" by the customer who chooses to pay monthly rather than upfront. For customers who elect to pay for the lighting assets over time, they are deferring payments over time, but Duke Energy Kentucky is making that capital investment on behalf of the customer, and should earn a return for that investment. This is no different than how the Company's legacy street lighting tariffs work. It is important to note that the monthly payment option is a choice provided to the customer. Any customer who feels that they would be overpaying by

choosing the monthly payment option is welcome to chose to pay upfront instead. Eliminating this option will only force all customers to pay upfront regardless of their own preference or financial situation.

**PERSON RESPONSIBLE:** Jeff L. Kern

**Duke Energy Kentucky**  
**Case No. 2019-00271**  
**Staff's Second Set Rehearing Data Requests**  
**Date Received: July 17, 2020**

**STAFF-RHDR-02-014**

**REQUEST:**

Refer to Duke Kentucky's response to Staff's First Rehearing Request, Item 14, STAFF-RHDR-01-014\_Attachment.xlsx.

- a. Refer to tab Proposed Rates.
  - 1) Provide support for the 3.73 percent adder for minor materials.
  - 2) Provide support for the 11.00 percent adder for Stores, Freight, and Handling.
  - 3) Provide support for the 0.3 labor time.
  - 4) Provide support for the 0.4 set up overheads time.
  - 5) Provide support for the 24.14 percent fleet indirect adder.
  - 6) Provide support for the 36.41 percent management and supervision adder.
- b. Refer to Tab LFCR per Order. Provide support for the Federal and State Composite Income Tax Rate.

**RESPONSE:**

- a.
  - 1) The 3.73% for minor materials represents costs that cannot be reasonably charged to individual projects, such as nuts, bolts and screws. The percent was estimated based on Material Allocations divided by Total Direct Material/Inventory Cost for the YTD July 2019. ( $57,668 / 1,546,425 = 0.0373$ ).

- 2) The 11% adder for stores, freight and handling represents costs associated with inventory storerooms including supply chain labor, freight, material handlers and operating expenses of the storeroom. This percent represents the adder to allocate charges of the storerooms operating expenses while allowing 5% of the inventory balance to remain on the balance sheet (per FERC) representing costs of inventory still on hand December 31 of each year per Jurisdiction. The percent and balance are monitored monthly by Finance and adjusted accordingly to keep our allowed amount within guidance.
- 3) This was based on the average installation time per experienced personnel on the Lighting Standards team.
- 4) This was based on the average set up time per experienced personnel on the Lighting Standards team.
- 5) The 24.14% fleet indirect adder represents annualized costs associated with vehicles, machines, handler, etc. Please see STAFF-RHDR-02-014(a) Attachment.
- 6) The management and supervision adder used in the calculation of rates for Rate LED was actually 34.61% rather than 36.41% and represents annualized costs of certain work groups which provide overall support for which direct charging of activities are impractical or impossible. Please see STAFF-RHDR-02-014(a) Attachment.

b. In preparing this response it was discovered that the Federal and State Composite Income Tax Rate used in the calculation of the LFCR for Rate LED was incorrect. In addition, the calculation inadvertently included the Commercial Activity Tax, which is exclusive to Ohio. Please see STAFF-RHDR-02-14(b) Attachment 1, page 1 for the calculation of the Federal and State Composite Income Tax Rate; STAFF-RHDR-02-14(b) Attachment 1, page 2 for the recalculation of the LFCR; and STAFF-RHDR-02-14(b) Attachment 1, page 3 for the recalculation of the monthly rates for Rate LED. STAFF-RHDR-02-14(b) Attachment 2 is the revised tariff sheet with the corrected rates.

**PERSON RESPONSIBLE:** Jeff L. Kern



Duke Energy Kentucky  
 Street Light Labor Loading Factors  
 2019

1	Base labor (per Human Resources)		39.64
2			
3	Unproductive	Line 1 x 28.0%	11.10
4	Incentives	(Line 1 + Line 3) x 3.0%	1.52
5	Fringes and PR Tax	(Line 1 + Line 3 + Line 4) x 33.6%	17.58
6			
7	Subtotal	Sum(Line 1 : Line 5)	<b>69.83</b>
8			
9	Fleet (per Fleet Services)	Line 1 x 42.5%	16.86
10			
11	Loaded Labor w/Fleet	Line 7 + Line 9	<b>86.69</b>
12			
13			
14	Indirects	Line 11 x 27.9%	24.17
15	Engr	Line 11 x 12.7%	10.97
16	Setup	Line 11 x 0.0%	-
17			
18	Direct Labor	Line 1	39.64
19	Loaders	Lines 3 + 4 + 5 + 9 + 14 + 15 + 16	82.20
20	Total Cost	Line 18 + Line 19	<u>121.84</u>
21			
22			
23	<b>Fleet Indirect Adder</b>	<b>Line 9 / Line 7</b>	<b>24.14%</b>
24			
25	<b>Management &amp; Supervision Adder</b>	<b>Line 14 / Line 7</b>	<b>34.61%</b>

**DUKE ENERGY KENTUCKY, INC**

**Calculation of Federal and State Composit Income Tax Rate**

1	Income before Income Tax	100.00%
2		
3	Kentucky State Income Tax Rate	5.00%
4		
5	Apportionment Factor	99.37%
6		
7	Income Taxes - State of Kentucky (Line 3 x Line 5)	4.97%
8		
9	Income Before Federal Income Tax (Line 1 - Line 7)	95.03%
10		
11	Federal Income Tax (21% x Line 9)	19.96%
12		
13	Federal and State Composit Income Tax Rate (Line 7 + Line 11)	<b>24.93%</b>

**DUKE ENERGY KENTUCKY, INC**  
**Calculation of DEK's Levelized Fixed Charge Rate**  
 Revised Federal and State Composite Income Tax Rate

<b>For Lighting Plant With A 10 Year Life</b>			<b>Approved Capital Structure</b>			
<b>LFCR Components</b>			<b>Rate of Return</b>			
<b>Rate</b>	<b>Symbol</b>	<b>Description</b>	<b>Cost Rate</b>	<b>Capital Ratio</b>	<b>Weighted Cost</b>	
6.41%	r	Rate of Return (Cost of Capital)				
10.00%	D	Depreciation Rate				
0.478%	A	Property Tax Rate				
0.009%	P	Property Insurance Rate				
24.930%	T	Federal and State Composite Income Tax Rate				
1.68%	i	Synchronized Interest Deduction				
7.44%	d	Sinking Fund Depreciation Rate				
0.000%	g	Commercial Activity Tax				
<b>10</b>	<b>N</b>	<b>Service Life</b>				
$LFCR = \frac{(1)}{1-g} [(r + A + P + d) + \frac{(T)}{1-T} (r + d - D) \frac{(r-i)}{r}]$						
LFCR =						<b><u>15.28%</u></b>
						0.0385 r+d-D
						1 1/(1-G)
						0.332090049 T/(1-T)
						0.738499922 (r-i)/r
						0.1433955 r+A+P+d
						0.0000 check total
<b>For Lighting Plant With A 15 Year Life</b>						
<b>LFCR Components</b>						
<b>Rate</b>	<b>Symbol</b>	<b>Description</b>				
6.41%	r	Rate of Return (Cost of Capital)				
6.67%	D	Depreciation Rate				
0.478%	A	Property Tax Rate				
0.009%	P	Property Insurance Rate				
24.930%	T	Federal and State Composite Income Tax Rate				
1.68%	i	Synchronized Interest Deduction				
4.16%	d	Sinking Fund Depreciation Rate				
0.000%	g	Commercial Activity Tax				
<b>15</b>	<b>N</b>	<b>Service Life</b>				
$LFCR = \frac{(1)}{1-g} [(r + A + P + d) + \frac{(T)}{1-T} (r + d - D) \frac{(r-i)}{r}]$						
LFCR =						<b><u>12.02%</u></b>
						0.0391 r+d-D
						1 1/(1-G)
						0.332090049 T/(1-T)
						0.738499922 (r-i)/r
						0.1105955 r+A+P+d
						0.0000 check total
						0.010017 Monthly option for Additional Equipment

**Duke Energy Kentucky  
 Monthly Rate for New LED Equipment  
 Proposed with Revised Federal and State Composit Income Tax Rate**

	<u>Lumens</u>	<u>Watts</u>	<u>Cost</u>	Minor Materials <u>Adder</u> 3.73%	Stores, Freight, <u>Handling</u> 11%	<u>Total</u> <u>Cost w/</u> <u>Material</u>	Crew Hourly Rate w/ <u>Burden</u>	<u>Labor</u>	Set Up <u>Overheads</u> 0.4	Fleet Indirect Adder 24.14%	Design & Project Mgmt Adder 15.71%	Mgmt & Supervisn Adder 34.61%	<u>Total</u> <u>Labor</u>	<u>Total</u> <u>Labor, &amp;</u> <u>Material &amp;</u> <u>Overhead</u>	Monthly Rate
<u>Fixtures (Not Included in Previous Tariff)</u>															
530W LED Shoebox	57,000	530	\$1,728.72	\$64.48	\$190.16	<b>\$1,983.36</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$2,068.64</b>	\$26.34
150W Clermont LED	12,500	150	\$1,636.82	\$61.05	\$180.05	<b>\$1,877.92</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,963.20</b>	\$25.00
130W Flood LED	14,715	130	\$512.92	\$19.13	\$56.42	<b>\$588.47</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$673.75</b>	\$8.58
260W Flood LED	32,779	260	\$850.00	\$31.70	\$93.50	<b>\$975.20</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,060.48</b>	\$13.50
50W Monticello LED	4,157	50	\$1,068.37	\$39.85	\$117.52	<b>\$1,225.74</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,311.02</b>	\$16.69
50W Mitchell Finial	5,678	50	\$1,008.93	\$37.63	\$110.98	<b>\$1,157.54</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,242.82</b>	\$15.83
50W Mitchell Ribs, Bands, and Medallions LED	5,678	50	\$1,119.15	\$41.74	\$123.11	<b>\$1,284.00</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,369.28</b>	\$17.44
50W Mitchell Top Hat LED	5,678	50	\$1,008.93	\$37.63	\$110.98	<b>\$1,157.54</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,242.82</b>	\$15.83
50W Mitchell Top Hat with Ribs, Bands, and Medallions LED	5,678	50	\$1,119.15	\$41.74	\$123.11	<b>\$1,284.00</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,369.28</b>	\$17.44
50W Open Monticello LED	4,157	50	\$1,063.42	\$39.67	\$116.98	<b>\$1,220.06</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,305.34</b>	\$16.62
<u>Poles (Not Included in Previous Tariff)</u>															
15' Style A - Fluted - for Shroud - Aluminum Direct Buried Pole			\$363.06	\$13.54	\$39.94	<b>\$416.54</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$501.81</b>	\$5.03
20' Style A - Fluted - for Shroud - Aluminum Direct Buried Pole			\$413.56	\$15.43	\$45.49	<b>\$474.48</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$559.75</b>	\$5.61
15' Style A - Smooth - for Shroud - Aluminum Direct Buried Pole			\$214.67	\$8.01	\$23.61	<b>\$246.29</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$331.57</b>	\$3.32
20' Style A - Smooth - for Shroud - Aluminum Direct Buried Pole			\$375.34	\$14.00	\$41.29	<b>\$430.63</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$515.91</b>	\$5.17
Shroud - Standard Style for anchor base poles			\$136.49	\$5.09	\$15.01	<b>\$156.59</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$241.87</b>	\$2.42
Shroud - Style B Pole for smooth and fluted poles			\$124.09	\$4.63	\$13.65	<b>\$142.37</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$227.64</b>	\$2.28
Shroud - Style C Pole for smooth and fluted poles			\$116.06	\$4.33	\$12.77	<b>\$133.16</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$218.44</b>	\$2.19
Shroud - Style D Pole for smooth and fluted poles			\$130.32	\$4.86	\$14.33	<b>\$149.51</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$234.79</b>	\$2.35
<u>Pole Foundations</u>															
Flush - Pre-fabricated - Style A Pole			\$815.66	\$30.42	\$89.72	<b>\$935.81</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,021.08</b>	\$10.23
Flush - Pre-fabricated - Style B Pole			\$728.20	\$27.16	\$80.10	<b>\$835.46</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$920.74</b>	\$9.22
Flush - Pre-fabricated - Style C Pole			\$868.49	\$32.39	\$95.53	<b>\$996.42</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,081.70</b>	\$10.84
Flush - Pre-fabricated - Style E Pole			\$815.66	\$30.42	\$89.72	<b>\$935.81</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,021.08</b>	\$10.23
Flush - Pre-fabricated - Style F Pole			\$728.20	\$27.16	\$80.10	<b>\$835.46</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$920.74</b>	\$9.22
Flush - Pre-fabricated - Style D Pole			\$706.82	\$26.36	\$77.75	<b>\$810.93</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$896.21</b>	\$8.98
Reveal - Pre-fabricated - Style A Pole			\$871.16	\$32.49	\$95.83	<b>\$999.49</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,084.76</b>	\$10.87
Reveal - Pre-fabricated - Style B Pole			\$935.91	\$34.91	\$102.95	<b>\$1,073.77</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,159.05</b>	\$11.61
Reveal - Pre-fabricated - Style C Pole			\$935.65	\$34.90	\$102.92	<b>\$1,073.47</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,158.74</b>	\$11.61
Reveal - Pre-fabricated - Style D Pole			\$935.65	\$34.90	\$102.92	<b>\$1,073.47</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,158.74</b>	\$11.61
Reveal - Pre-fabricated - Style E Pole			\$935.65	\$34.90	\$102.92	<b>\$1,073.47</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,158.74</b>	\$11.61
Reveal - Pre-fabricated - Style F Pole			\$808.36	\$30.15	\$88.92	<b>\$927.44</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,012.71</b>	\$10.14
Screw-in Foundation			\$421.85	\$15.74	\$46.40	<b>\$483.99</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$569.27</b>	\$5.70

													<u>12.02%</u>
<b>Brackets</b>													
14 inch bracket - wood pole - side mount	\$44.08	\$1.64	\$4.85	<b>\$50.57</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$135.85</b>	\$1.36
4 foot bracket - wood pole - side mount	\$53.20	\$1.98	\$5.85	<b>\$61.03</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$146.31</b>	\$1.47
6 foot bracket - wood pole - side mount	\$42.54	\$1.59	\$4.68	<b>\$48.81</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$134.08</b>	\$1.34
8 foot bracket - wood pole - side mount	\$114.31	\$4.26	\$12.57	<b>\$131.15</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$216.42</b>	\$2.17
10 foot bracket - wood pole - side mount	\$316.07	\$11.79	\$34.77	<b>\$362.63</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$447.91</b>	\$4.49
12 foot bracket - wood pole - side mount	\$235.21	\$8.77	\$25.87	<b>\$269.86</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$355.14</b>	\$3.56
15 foot bracket - wood pole - side mount	\$302.10	\$11.27	\$33.23	<b>\$346.60</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$431.88</b>	\$4.33
4 foot bracket - metal pole - side mount	\$380.21	\$14.18	\$41.82	<b>\$436.21</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$521.49</b>	\$5.22
6 foot bracket - metal pole - side mount	\$411.53	\$15.35	\$45.27	<b>\$472.15</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$557.43</b>	\$5.58
8 foot bracket - metal pole - side mount	\$414.39	\$15.46	\$45.58	<b>\$475.43</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$560.71</b>	\$5.62
10 foot bracket - metal pole - side mount	\$441.22	\$16.46	\$48.53	<b>\$506.22</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$591.49</b>	\$5.92
12 foot bracket - metal pole - side mount	\$511.62	\$19.08	\$56.28	<b>\$586.98</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$672.26</b>	\$6.73
15 foot bracket - metal pole - side mount	\$524.34	\$19.56	\$57.68	<b>\$601.57</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$686.85</b>	\$6.88
18 inch bracket - metal pole - double Flood Mount - top mount	\$120.21	\$4.48	\$13.22	<b>\$137.92</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$223.20</b>	\$2.24
14 inch bracket - metal pole - single mount - top tenon	\$65.51	\$2.44	\$7.21	<b>\$75.16</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$160.44</b>	\$1.61
14 inch bracket - metal pole - double mount - top tenon	\$99.13	\$3.70	\$10.90	<b>\$113.73</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$199.01</b>	\$1.99
14 inch bracket - metal pole - triple mount - top tenon	\$139.57	\$5.21	\$15.35	<b>\$160.13</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$245.41</b>	\$2.46
14 inch bracket - metal pole - quad mount - top tenon	\$125.20	\$4.67	\$13.77	<b>\$143.65</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$228.92</b>	\$2.29
6 foot - metal pole - single - top tenon	\$136.26	\$5.08	\$14.99	<b>\$156.33</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$241.61</b>	\$2.42
6 foot - metal pole - double - top tenon	\$261.72	\$9.76	\$28.79	<b>\$300.27</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$385.55</b>	\$3.86
4 foot - Boston Harbor - top tenon	\$610.18	\$22.76	\$67.12	<b>\$700.05</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$785.33</b>	\$7.87
6 foot - Boston Harbor - top tenon	\$674.75	\$25.17	\$74.22	<b>\$774.14</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$859.42</b>	\$8.61
12 foot - Boston Harbor Style C pole double mount - top tenon	\$1,274.92	\$47.55	\$140.24	<b>\$1,462.71</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$1,547.99</b>	\$15.51
4 foot - Davit arm - top tenon	\$652.69	\$24.35	\$71.80	<b>\$748.84</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$834.11</b>	\$8.36
18 inch - Cobrahead fixture for wood pole	\$29.32	\$1.09	\$3.23	<b>\$33.64</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$118.92</b>	\$1.19
18 inch - Flood light for wood pole	\$41.91	\$1.56	\$4.61	<b>\$48.08</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$133.36</b>	\$1.34
<b>Wiring</b>													
Secondary Pedestal (cost per unit)	\$104.22	\$3.89	\$11.46	<b>\$119.57</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$204.85</b>	\$2.05
Handhole (cost per unit)	\$73.49	\$2.74	\$8.08	<b>\$84.31</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$169.59</b>	\$1.70
6AL DUPLEX and Trench (cost per foot)	\$4.75	\$0.18	\$0.52	<b>\$5.45</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$90.73</b>	\$0.91
6AL DUPLEX and Trench with conduit (cost per foot)	\$8.08	\$0.30	\$0.89	<b>\$9.27</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$94.55</b>	\$0.95
6AL DUPLEX with existing conduit (cost per foot)	\$2.11	\$0.08	\$0.23	<b>\$2.42</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$87.70</b>	\$0.88
6AL DUPLEX and Bore with conduit (cost per foot)	\$20.84	\$0.78	\$2.29	<b>\$23.91</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$109.19</b>	\$1.09
6AL DUPLEX OH wire (cost per foot)	\$1.45	\$0.05	\$0.16	<b>\$1.66</b>	\$69.83	\$20.95	\$27.93	\$11.80	\$7.68	\$16.92	<b>\$85.28</b>	<b>\$86.94</b>	\$0.87

Duke Energy Kentucky, Inc.  
1262 Cox Road  
Erlanger, KY 41018

KY.P.S.C. Electric No. 2  
~~Second~~~~Third~~ Revised Sheet No. 64  
Cancels and Supersedes  
~~First~~~~Second~~ Revised Sheet No. 64  
Page 1 of 9

**RATE LED**

**LED OUTDOOR LIGHTING ELECTRIC SERVICE**

**APPLICABILITY**

To any customer seeking unmetered roadway or other unmetered outdoor illumination from Company owned LED technology. Customer must be adjacent to an electric power line of Company that is adequate and suitable for supplying the necessary electric service. Specific program technologies, services, pricing, and requirements are addressed below. 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.

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Service under this tariff schedule shall require a written agreement between the customer and the Company specifying the calculated lighting kilowatt-hours. The LED System shall comply with the connection requirements in the Company's Electric Service Regulations, Section III and Section IV, Customer's and Company's Installations respectively.

**CHARACTER OF SERVICE**

The Company will provide automatically controlled unmetered lighting service, alternating current, 60 cycle, single phase, at the Company's standard voltage available. This service may include "smart" lighting technologies.

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The Company will provide unmetered electric service based on the calculated annual energy usage for each luminaire's lamp wattage plus ballast usage (impact wattage). The LED System kilowatt-hour usage shall be determined by the number of lamps and other LED System particulars as defined in the written agreement between the customer and Company. The monthly kilowatt-hour amount will be billed at the rate contained in the NET MONTHLY BILL section below.

**LIGHTING HOURS**

All unmetered lighting systems, under this rate schedule, will be operated automatically. Annual estimated operating hours for dusk-to-dawn levels will be based on regional National Weather Service hours for sunrise and sunset times. Dusk-to-dawn lighting typically turns on and off approximately one-half (1/2) hour after sunset and one-half (1/2) hour before sunrise which is approximately 4160 hours annually.

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**NET MONTHLY BILL**

Computed in accordance with the following charges:

- 1. Base Rate  
All kWh \$0.040785 per kWh

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Issued by authority of an Order of the Kentucky Public Service  
Commission dated ~~April 27, 2020~~ \_\_\_\_\_ in Case No. 2019-00271

Issued: ~~May 1, 2020~~  
Effective: ~~May 1, 2020~~  
Issued by: Amy B. Spiller, President /s/ Amy B. Spiller

KY.P.S.C. Electric No. 2  
~~Second~~~~Third~~ Revised Sheet No. 64  
 Cancels and Supersedes  
~~First~~~~Second~~ Revised Sheet No. 64  
 Page 2 of 9

Duke Energy Kentucky, Inc.  
 1262 Cox Road  
 Erlanger, KY 41018

**NET MONTHLY BILL (Contd.)**

Energy charge based on the following calculation:

- a. Lamp watts plus ballast wattage equals impact watts
- b. Watts times estimated annual burn hours as set in agreement equals annual watt hours
- c. Annual watt hours divided by 1000 hours equals annual kilowatt hours (kWh)
- d. Annual kWh divided by twelve (12) months equals monthly kWh
- e. Monthly kWh times current rate per kWh = monthly dollar amount per luminaire

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The rate shown above includes a charge of \$0.023837 per kilowatt-hour reflecting the base cost of fuel.

2. Applicable Riders

The following riders are applicable pursuant to the specific terms contained within each rider:  
 Sheet No. 76, Rider ESM, Environmental Surcharge Mechanism Rider  
 Sheet No. 80, Rider FAC, Fuel Adjustment Clause  
 Sheet No. 82, Rider PSM, Profit Sharing Mechanism

3. Monthly Maintenance, Fixture, Pole, Pole Foundation, Brackets, and Wire Equipment Charges:

(+)

I. Fixtures				Per Unit Per Month		
Billing Type	Description	Initial Lumens	Lamp Wattage	Monthly kWh	Fixture	Maintenance
LED NB 50	50W Neighborhood	5,000	50	17	\$4.27	\$4.51
LED NBL 50	50W Neighborhood with Lens	5,000	50	17	\$4.45	\$4.51
LED RDW 50	50W Standard LED	4,521	50	17	\$5.25	\$4.51
LED RDW 70	70W Standard LED	6,261	70	24	\$5.24	\$4.51
LED RDW 110	110W Standard LED	9,336	110	38	\$5.94	\$4.51
LED RDW 150	150W Standard LED	12,642	150	52	\$7.87	\$4.51
LED RDW 220	220W Standard LED	18,642	220	76	\$8.92	\$5.50
LED RDW 280	280W Standard LED	24,191	280	97	\$10.98	\$5.50
LED ACS 50	50W Acorn LED	5,147	50	17	\$13.80	\$4.51
LED DA 50	50W Deluxe Acorn LED	5,147	50	17	\$15.31	\$4.51
LED ODA 70	70W LED Open Deluxe Acorn	6,500	70	24	\$14.93	\$4.51
LED TR 50	50W Traditional LED	3,303	50	17	\$10.00	\$4.51
LED OT 50	50W Open Traditional LED	3,230	50	17	\$10.00	\$4.51
LED MB 50	50W Mini Bell LED	4,500	50	17	\$13.01	\$4.51
LED EN 50	50W Enterprise LED	3,880	50	17	\$13.44	\$4.51
LED SAN 70	70W Sanibel LED	5,508	70	24	\$16.57	\$4.51

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Issued by authority of an Order of the Kentucky Public Service  
 Commission dated April 27, 2020 in Case No. 2019-00271

Issued: May 1, 2020  
 Effective: May 1, 2020  
 Issued by: Amy B. Spiller, President /s/ Amy B. Spiller

KY.P.S.C. Electric No. 2  
~~Second~~<sup>Third</sup> Revised Sheet No. 64  
 Cancels and Supersedes  
~~First~~<sup>Second</sup> Revised Sheet No. 64  
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Duke Energy Kentucky, Inc.  
 1262 Cox Road  
 Erlanger, KY 41018

I. Fixtures (Contd.)				Per Unit Per Month			
Billing Type	Description	Initial Lumens	Lamp Wattage	Monthly kWh	Fixture	Maintenance	
LED SAN 150	150W Sanibel LED	12,500	150	52	\$16.57	\$4.51	(+)
LED LD 150	150W LED Teardrop	12,500	150	52	\$20.05	\$4.51	(+)
LED LDP 50	50W LED Teardrop Pedestrian	4,500	50	17	\$16.27	\$4.51	(+)
LED SBX 220	220W LED Shoebox	18,500	220	76	\$13.88	\$5.50	(+)
LED SBX 420	420W LED Shoebox	39,078	420	146	\$20.72	\$5.50	(+)
<del>TBDLSBX530</del>	530W LED Shoebox	57,000	530	184	<del>\$26.55</del> <sup>26.34</sup>	\$5.50	(NR)
<del>TBDLCLE150</del>	150W Clermont LED	12,500	150	52	<del>\$25.19</del> <sup>25.00</sup>	\$4.51	(NR)
<del>TBDLFL130</del>	130W Flood LED	14,715	130	45	<del>\$8.65</del> <sup>8.58</sup>	\$4.51	(NR)
<del>TBDLFL260</del>	260W Flood LED	32,779	260	90	<del>\$13.61</del> <sup>13.50</sup>	<del>\$4.51</del> <sup>5.50</sup>	(NR)
<del>TBDLMON050</del>	50W Monticello LED	4,157	50	17	<del>\$16.82</del> <sup>16.69</sup>	\$4.51	(NR)
<del>TBDLMT050</del>	50W Mitchell Finial	5,678	50	17	<del>\$15.95</del> <sup>15.83</sup>	\$4.51	(NR)
<del>TBDLMTR050</del>	50W Mitchell Ribs, Bands, and Medallions LED	5,678	50	17	<del>\$17.57</del> <sup>17.44</sup>	\$4.51	(NR)
<del>TBDLMTT050</del>	50W Mitchell Top Hat LED	5,678	50	17	<del>\$15.95</del> <sup>15.83</sup>	\$4.51	(NR)
<del>TBDLMTL050</del>	50W Mitchell Top Hat with Ribs, Bands, and Medallions LED	5,678	50	17	<del>\$17.57</del> <sup>17.44</sup>	<del>\$5.50</del> <sup>4.51</sup>	(NR)
<del>TBDLOMO050</del>	50W Open Monticello LED	4,157	50	17	<del>\$16.75</del> <sup>16.62</sup>	<del>\$5.50</del> <sup>4.51</sup>	(NR)

II. Poles			
Billing Type	Description	Charge per Month per Unit	
A12A	Style A 12 Ft Long Anchor Base Top Tenon Aluminum	\$6.01	(+)
A15D	Style A 15 Ft Long Direct Buried Top Tenon Aluminum	\$5.14	(+)
A15A	Style A 15 Ft Long Anchor Base Top Tenon Aluminum	\$6.18	(+)
A18D	Style A 18 Ft Long Direct Buried Top Tenon Aluminum	\$5.35	(+)
A17A	Style A 17 Ft Long Anchor Base Top Tenon Aluminum	\$6.47	(+)
A25D	Style A 25 Ft Long Direct Buried Top Tenon Aluminum	\$9.92	(+)
A22A	Style A 22 Ft Long Anchor Base Top Tenon Aluminum	\$7.68	(+)
A30D	Style A 30 Ft Long Direct Buried Top Tenon Aluminum	\$11.06	(+)
A27A	Style A 27 Ft Long Anchor Base Top Tenon Aluminum	\$9.07	(+)

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II. Poles (Contd.)			
Billing Type	Description	Charge per Month per Unit	
A35D	Style A 35 Ft Long Direct Buried Top Tenon Aluminum	\$12.31	(+)
A32A	Style A 32 Ft Long Anchor Base Top Tenon Aluminum	\$10.48	(+)
A41D	Style A 41 Ft Long Direct Buried Top Tenon Aluminum	\$13.30	(+)
A12B	Style B 12 Ft Long Anchor Base Post Top Aluminum	\$7.31	(+)
A12C	Style C 12 Ft Long Anchor Base Post Top Aluminum	\$9.90	(+)
S12V	Style C 12 Ft Long Anchor Base Davit Steel	\$9.90	(+)
S14C	Style C 14 Ft Long Anchor Base Top Tenon Steel	\$10.62	(+)
S21V	Style C 21 Ft Long Anchor Base Davit Steel	\$26.04	(+)
S23C	Style C 23 Ft Long Anchor Base Boston Harbor Steel	\$26.33	(+)
A12R	Style D 12 Ft Long Anchor Base Breakaway Aluminum	\$9.81	(+)
A12E	Style E 12 Ft Long Anchor Base Post Top Aluminum	\$9.90	(+)
A12I	Style F 12 Ft Long Anchor Base Post Top Aluminum	\$10.60	(+)
A39T	Legacy Style 39 Ft Direct Buried Single or Twin Side Mount Aluminum Satin Finish	\$16.76	(+)
A27S	Legacy Style 27 Ft Long Anchor Base Side Mount Aluminum Pole Satin Finish Breakaway	\$12.92	(+)
A33S	Legacy Style 33 Ft Long Anchor Base Side Mount Aluminum Pole Satin Finish Breakaway	\$12.56	(+)
A37S	Legacy Style 37 Ft Long Anchor Base Side Mount Aluminum Pole Satin Finish	\$15.53	(+)
W30	30' Class 7 Wood Pole	\$6.14	(+)
W35	35' Class 5 Wood Pole	\$6.68	(+)
W40	40' Class 4 Wood Pole	\$10.05	(+)
W45	45' Class 4 Wood Pole	\$10.42	(+)
<del>FBDA15J</del>	15' Style A - Fluted - for Shroud - Aluminum Direct Buried Pole	<del>\$5,085.03</del>	(NR)
<del>FBDA20J</del>	20' Style A - Fluted - for Shroud - Aluminum Direct Buried Pole	<del>\$5,665.61</del>	(NR)
<del>FBDA15K</del>	15' Style A - Smooth - for Shroud - Aluminum Direct Buried Pole	<del>\$3,353.32</del>	(NR)
<del>FBDA20K</del>	20' Style A - Smooth - for Shroud - Aluminum Direct Buried Pole	<del>\$5,225.17</del>	(NR)
<del>FBDA Pole Shroud</del>	Shroud - Standard Style for anchor base poles	<del>\$2,452.42</del>	(NR)
<del>FBDB Pole Shroud</del>	Shroud - Style B Pole for smooth and fluted poles	<del>\$2,302.28</del>	(NR)
<del>FBDC Pole Shroud</del>	Shroud - Style C Pole for smooth and fluted poles	<del>\$2,212.19</del>	(NR)
<del>FBDD Pole Shroud</del>	Shroud - Style D Pole for smooth and fluted poles	<del>\$2,382.35</del>	(NR)

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III. Pole Foundations		
Billing Type	Description	Charge per Month per Unit
<del>FBDFND-Flush-A</del>	Flush - Pre-fabricated - Style A Pole	<del>\$10.33</del> <sup>10.23</sup>
<del>FBDFND-Flush-B</del>	Flush - Pre-fabricated - Style B Pole	<del>\$9.34</del> <sup>9.22</sup>
<del>FBDFND-Flush-C</del>	Flush - Pre-fabricated - Style C Pole	<del>\$10.94</del> <sup>10.84</sup>
<del>FBDFND-Flush-E</del>	Flush - Pre-fabricated - Style E Pole	<del>\$10.33</del> <sup>10.23</sup>
<del>FBDFND-Flush-F</del>	Flush - Pre-fabricated - Style F Pole	<del>\$9.34</del> <sup>9.22</sup>
<del>FBDFND-Flush-D</del>	Flush - Pre-fabricated - Style D Pole	<del>\$9.07</del> <sup>8.98</sup>
<del>FBDFND-Reveal-A</del>	Reveal - Pre-fabricated - Style A Pole	<del>\$10.97</del> <sup>10.87</sup>
<del>FBDFND-Reveal-B</del>	Reveal - Pre-fabricated - Style B Pole	<del>\$11.73</del> <sup>11.61</sup>
<del>FBDFND-Reveal-C</del>	Reveal - Pre-fabricated - Style C Pole	<del>\$11.72</del> <sup>11.61</sup>
<del>FBDFND-Reveal-D</del>	Reveal - Pre-fabricated - Style D Pole	<del>\$11.72</del> <sup>11.61</sup>
<del>FBDFND-Reveal-E</del>	Reveal - Pre-fabricated - Style E Pole	<del>\$11.72</del> <sup>11.61</sup>
<del>FBDFND-Reveal-F</del>	Reveal - Pre-fabricated - Style F Pole	<del>\$10.25</del> <sup>10.14</sup>
<del>FBDFND-Screw-in</del>	Screw-in Foundation	<del>\$5.76</del> <sup>5.70</sup>

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IV. Brackets		
Billing Type	Description	Charge per Month per Unit
<del>FBDBKT-Wood-14in</del>	14 inch bracket - wood pole - side mount	<del>\$1.37</del> <sup>1.36</sup>
<del>FBDBKT-Wood-4ft</del>	4 foot bracket - wood pole - side mount	<del>\$1.48</del> <sup>1.47</sup>
<del>FBDBKT-Wood-6ft</del>	6 foot bracket - wood pole - side mount	<del>\$1.36</del> <sup>1.34</sup>
<del>FBDBKT-Wood-8ft</del>	8 foot bracket - wood pole - side mount	<del>\$2.19</del> <sup>2.17</sup>
<del>FBDBKT-Wood-10ft</del>	10 foot bracket - wood pole - side mount	<del>\$4.53</del> <sup>4.49</sup>
<del>FBDBKT-Wood-12ft</del>	12 foot bracket - wood pole - side mount	<del>\$3.59</del> <sup>3.56</sup>
<del>FBDBKT-Wood-15ft</del>	15 foot bracket - wood pole - side mount	<del>\$4.37</del> <sup>4.33</sup>
<del>FBDBKT-Side-4ft</del>	4 foot bracket - metal pole - side mount	<del>\$5.28</del> <sup>5.22</sup>
<del>FBDBKT-Side-6ft</del>	6 foot bracket - metal pole - side mount	<del>\$5.64</del> <sup>5.58</sup>
<del>FBDBKT-Side-8ft</del>	8 foot bracket - metal pole - side mount	<del>\$5.67</del> <sup>5.62</sup>
<del>FBDBKT-Side-10ft</del>	10 foot bracket - metal pole - side mount	<del>\$5.98</del> <sup>5.92</sup>
<del>FBDBKT-Side-12ft</del>	12 foot bracket - metal pole - side mount	<del>\$6.80</del> <sup>6.73</sup>

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IV. Brackets (Contd.)		
Billing Type	Description	Charge per Month per Unit
<del>FBDBKT-Side-15ft</del>	15 foot bracket - metal pole - side mount	<del>\$6.956.88</del>
<del>FBDBKT-Tenon-18in-DBL</del>	18 inch bracket - metal pole - double Flood Mount - top mount	<del>\$2.262.24</del>
<del>FBDBKT-Tenon-14in</del>	14 inch bracket - metal pole - single mount - top tenon	<del>\$1.621.61</del>
<del>FBDBKT-Tenon-14in-DBL</del>	14 inch bracket - metal pole - double mount - top tenon	<del>\$2.041.99</del>
<del>FBDBKT-Tenon-14in-TPL</del>	14 inch bracket - metal pole - triple mount - top tenon	<del>\$2.482.46</del>
<del>FBDBKT-Tenon-14in-Quad</del>	14 inch bracket - metal pole - quad mount - top tenon	<del>\$2.322.29</del>
<del>FBDBKT-Tenon-6ft</del>	6 foot - metal pole - single - top tenon	<del>\$2.442.42</del>
<del>FBDBKT-Tenon-6ft DBL</del>	6 foot - metal pole - double - top tenon	<del>\$3.993.86</del>
<del>FBDBKT-Tenon-4ft BH</del>	4 foot - Boston Harbor - top tenon	<del>\$7.947.87</del>
<del>FBDBKT-Tenon-6ft BH</del>	6 foot - Boston Harbor - top tenon	<del>\$8.698.61</del>
<del>FBDBKT-Tenon-12ft BH</del>	12 foot - Boston Harbor Style C pole double mount - top tenon	<del>\$15.6615.51</del>
<del>FBDBKT-Tenon-4ft Davit</del>	4 foot - Davit arm - top tenon	<del>\$8.448.36</del>
<del>FBDBKT-Wood-18in-CH</del>	18 inch - Cobrahead fixture for wood pole	<del>\$1.201.19</del>
<del>FBDBKT-Wood-18in-FL</del>	18 inch - Flood light for wood pole	<del>\$1.351.34</del>

V. Wiring Equipment		
Billing Type	Description	Charge per Month per Unit
<del>FBDMISC-Sec-PED</del>	Secondary Pedestal (cost per unit)	<del>\$2.072.05</del>
<del>FBDMISC-Handhole</del>	Handhole (cost per unit)	<del>\$1.721.70</del>
<del>FBDCABLE-6AL-Trench</del>	6AL DUPLEX and Trench (cost per foot)	<del>\$0.920.91</del>
<del>FBDCABLE-6AL-Trench-Conduit</del>	6AL DUPLEX and Trench with conduit (cost per foot)	<del>\$0.960.95</del>
<del>FBDCABLE-6AL-Existing Conduit</del>	6AL DUPLEX with existing conduit (cost per foot)	<del>\$0.890.88</del>
<del>FBDCABLE-6AL-Bore-Conduit</del>	6AL DUPLEX and Bore with conduit (cost per foot)	<del>\$1.101.09</del>
<del>FBDWIRE-6AL</del>	6AL DUPLEX OH wire (cost per foot)	<del>\$0.880.87</del>

**LATE PAYMENT CHARGE**

Payment of the Net Monthly Bill must be received in the Company's office within twenty-one (21) days from the date the bill is mailed by the Company. When not so paid, the Gross Monthly Bill, which is the Net Monthly Bill plus 5%, is due and payable.

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### OWNERSHIP OF SERVICE LINES

Company will provide, install, own, operate and maintain the necessary facilities for furnishing electric service to the System defined in the agreement. If the customer requires the installation of a System at a location which requires the extension, relocation, or rearrangement of the Company's distribution system, the customer shall, in addition to the monthly charge, pay the Company on a time and material basis, plus overhead charges, the cost of such extension, relocation, or rearrangement, unless in the judgment of the Company no charge should be made. Customer may also pay monthly for such extension, relocation, or rearrangement as described below under Terms of Service. An estimate of the cost will be submitted for approval before work is carried out.

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The Company shall erect the service lines necessary to supply electric energy to the System within the limits of the streets and highways or on property as mutually agreed upon by the Company and the customer. The customer shall assist the Company, if necessary, in obtaining adequate written easements covering permission to install and maintain any service lines required to serve the System.

The Company shall not be required to pay for obtaining permission to trim or re-trim trees where such trees interfere with supplying electric energy to the System. The Customer shall assist the Company, if necessary, in obtaining permission to trim trees where the Company is unable to obtain such permission through its own best efforts.

(+)

### TERMS OF SERVICE

1. 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 sixty (60) days written notice or 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 and removal cost of the facilities.
2. Where the Company provides a LED fixture, pole type or equipment other than those listed above, the monthly charges, as applicable shall be computed as follows:
  - I. Fixture
    - a. Fixture Charge: Based on the Company's average installed cost including overhead/loadings, applicable property tax, applicable income tax, depreciation and rate of return.
    - b. Maintenance Charge: Based on the Company's average cost of performing maintenance on lighting equipment.
  - II. Pole
    - a. Pole Charge: Based on the Company's average installed cost including overhead/loadings, applicable property tax, applicable income tax, depreciation and rate of return.

(+)

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- III. Other Equipment
- a. Equipment Charge: Based on the Company's average installed cost including overhead/loadings, applicable property tax, applicable income tax, depreciation and rate of return. (N)
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 or to make payment to the customer for damage. (N)
4. KWh consumption for Company-owned fixtures shall be estimated in lieu of installing meters. Monthly kWh estimates will be made using the following formula:  
kWh = Unit Wattage x (4160 hours per year / 12 months) / 1,000. (N)
5. No Pole Charge shall be applicable for a fixture installed on a company-owned pole which is utilized for other general electrical distribution purposes. (T)
6. The Company will repair or replace malfunctioning lighting fixtures maintained by the Company. (T)
7. For a fixture type restricted to existing installations and requiring major renovation or replacement, the fixture shall be replaced by an available similar non-restricted LED fixture of the customer's choosing and the customer shall commence being billed at its appropriate rate. (T)
8. 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. (T)
9. All new leased LED lighting shall be installed on poles owned by the Company. (T)
10. Alterations to leased LED 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. (T)
11. 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 either at cost upfront or monthly as described below. (T)
12. The Company will normally install service in accordance with the Electric Service Regulations for the facilities required to supply electric service to the customer. For Lighting installations requiring investments exceeding the Company's standards and where additional facilities are required as discussed above, lighting customer must pay the cost of the additional facility investment upfront or 1.0017% of the cost of the additional facility investment amount monthly. (N)  
(N)  
(N)  
(N)  
(NT)  
(T)

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13. For available LEDs, the customer may opt to make an initial, one-time payment of 50% of the installed cost of fixtures rated greater than 200 Watts and poles other than standard wood poles, to reduce the Company's installed cost, therefore reducing their monthly rental rates for such fixtures and poles. 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.

### **SERVICE REGULATIONS**

The supplying of, and billing for, service and all conditions applying thereto, are subject to the jurisdiction of the Kentucky Public Service Commission, and to the Company's Service Regulations currently in effect, as filed with the Kentucky Public Service Commission, as provided by law.

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