

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

STAFF-RHDR-01-001

REQUEST:

Refer to the Application, Tab 22 (Capital Budget); the Direct Testimony of Christopher M. Jacob at 23; the Direct Testimony of James Michael Mosley at 16-17; and the Direct Testimony of Ash M. Norton at 27-28. Explain whether the Capital Budget provided was the budget used to prepare the balance sheet for the forecasted portion of the base period and for the forecasted test period. If not, provide the budget that was actually used to prepare the balance sheet for the forecasted portion of the base period and for the forecasted test period.

RESPONSE:

The capital budget provided in Tab 22 of the Application was prepared using the same data that was used to prepare the plant in service schedules for the forecasted months of the base period and forecasted test period, except that it excluded activity for projects expected to be recovered through the ESM as noted in the footnote to this schedule. (The Company interprets the Commission's reference to "balance sheet" to mean the plant in service schedules included in the Company's filing.) For purposes of preparing plant in service balances for the forecasted portion of the base period and for the forecasted test period, the company used capital additions and retirements based on the capital budget including activity related to projects expected to be recovered through the ESM, and then made an adjustment on Schedule B-2.2 to remove balances related to the ESM so that they would

not impact the base rate revenue requirement. Please see response to STAFF-RHDR-01-002 for the capital budget including activity related to projects expected to be recovered through the ESM.

PERSON RESPONSIBLE: Christopher Jacobi

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STAFF-RHDR-01-002

REQUEST:

Refer to the application, Tab 22. Provide this budget with projects recovered through Duke Kentucky's Environmental Surcharge Mechanism (ESM) and showing construction work in process (CWIP) as of December 31, 2018, for projects recovered through Duke Kentucky's ESM.

RESPONSE:

Please see STAFF-RHDR-01-002 Attachment.

PERSON RESPONSIBLE: Christopher Jacobi

**Duke Energy Kentucky
Case No. 2019-00271
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Date Received: June 17, 2020**

STAFF-RHDR-01-003

REQUEST:

Refer to the application, Schedule B-2.2, page 1 of 2. Confirm that the adjustment to remove assets recovered through Duke Kentucky's ESM is based on the gross plant in service balances as of November 30, 2019. If this cannot be confirmed, explain how the adjustment was calculated.

RESPONSE:

Confirmed.

PERSON RESPONSIBLE: Christopher Jacobi

Duke Energy Kentucky
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STAFF-RHDR-01-004

REQUEST:

Refer to the application, Schedule B-2.3, pages 1 through 12. Provide an Excel spreadsheet with the additions and the retirements for each month from December 2019 through March 2020 for each account shown on Schedule B-2.3. The additions and retirements should be those that were used when filing the application to project changes in each account as shown on Schedule B-2.3 from the end of the base period to the beginning of the forecasted test period.

RESPONSE:

See STAFF-RHDR-01-004 Attachment. Please note that March 2020 Steam Production Plant additions reflected in this attachment include \$10,945,331 of forecasted additions related to projects expected to be recovered through Rider ESM. Also, there are two tabs in the file.

PERSON RESPONSIBLE: Christopher Jacobi

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STAFF-RHDR-01-005

REQUEST:

Refer to Duke Kentucky's response to Staff's Second Request for Information, Item 6, STAFF-DR-02-006 Attachment and Item 7, STAFF-DR-02-007 Attachment.

- a. Explain how Duke Kentucky projected the retirements in projected months of the base period and forecasted test period.
- b. State whether Duke Kentucky used the same method to project retirements in each month between the based period and the forecasted test period, and, if not, explain why it did not do so.
- c. Identify all projects that correspond to the additions shown on STAFF-DR-02-006 Attachment and STAFF-DR-02-007 Attachment during the base period and the forecasted test period and in the months between the base period and the forecasted test period; and
 - 1) Describe each such project;
 - 2) Provide the total cost of each such project used to project additions;
 - 3) Provide the date when Duke Kentucky expected each such project to be placed in service;
 - 4) Identify the month in which the cost of each such project was included as an addition to plant in service; and

5) State whether the cost for the project is or will be recovered through Duke Kentucky's ESM.

RESPONSE:

- a. Retirements are forecasted based on historical averages by plant account and adjusted as necessary for known, discrete retirements.
- b. Duke Energy Kentucky used the same method to project retirements in each month between the forecasted portion of the base period and the forecasted test period.
- c. For details of plant additions in the actual portion of the base period (December 2018 through May 2019) please see STAFF-RHDR-01-005(c) Attachment 1. For details of plant additions in the forecasted portion of the base period (June 2019 through November 2019) and the forecasted test period (April 2020 through March 2021), please see STAFF-RHDR-01-005(c) Attachment 2. Additions are reflected in the months of actual or projected in-service dates.

PERSON RESPONSIBLE: Christopher Jacobi

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STAFF-RHDR-01-006

REQUEST:

Refer to the application, Schedule B-2.3, page 2, in which Duke Kentucky identifies a 13-month average plant balance of \$69,086,452, which it indicated would be recovered through the ESM.

- a. Provide the monthly plant in service balances used to calculate the 13-month average plant adjustment.
- b. Identify all projects included in the 13-month average; and for each such project
 - 1) Provide the total cost used to calculate the 13-month average;
 - 2) Provide the actual or expected in-service date; and
 - 3) Identifying the month of the base or forecasted test period in which the project was included in plant in service to calculate plant in service in the base and forecasted period.

RESPONSE:

- a. The Company believes the reference in the question is incorrect. The 13-month average plant balance adjustment was identified in Schedule B-2.2, page 2, and is \$69,086,352. Please see STAFF-RHDR-01-006 Attachment.
- b. Please see STAFF-RHDR-01-006 Attachment.

PERSON RESPONSIBLE: Christopher Jacobi

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STAFF-RHDR-01-007

REQUEST:

Provide the Allowance for Funds Used During Construction rate used in the base period and the forecasted test period.

RESPONSE:

The Allowance for Funds Used During Construction (AFUDC) rates used in both the base period and the forecasted test period are as follows:

AFUDC – Debt component: 1.94%

AFUDC – Equity component: 3.72%

PERSON RESPONSIBLE: Christopher Jacobi

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STAFF-RHDR-01-008

REQUEST:

Provide the projected CWIP balance by plant account as of December 31, 2020.

RESPONSE:

Please see STAFF-RHDR-01-008 Attachment.

PERSON RESPONSIBLE: Christopher Jacobi

Duke Energy Kentucky
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STAFF-RHDR-01-009

REQUEST:

Regarding the monthly payment option in Rate LED for additional necessary facilities, explain why the proposed option was not structured similar to Duke's Rate OL-E, Outdoor Lighting Equipment Installation, in which customers pay a monthly system charge, which could be reduced by an upfront payment, through the expiration of the term of the initial agreement and a monthly maintenance charge for the life of the system.

RESPONSE:

The provisions for additional facilities within Rate LED, was structured to be consistent with the rest of Rate LED, which was built to satisfy customer requests for a tariff structure that does not require the customer to pay for the additional facilities either upfront or over a designated period of time, like Rate OL-E does. Rate LED was built in a similar manner to more traditional regulated lighting tariffs that the company operated under prior to the approval of the Rate UOLS and Rate OL-E model. Under Rate LED, the customer can choose the type of lighting equipment they desire and simply pay a monthly fee until the system is removed; noting that if equipment requires replacement during customer participation, there is no additional charge to the customer, unlike the design of Rate OL-E. Therefore, providing the customer with the option to either pay for additional facilities upfront or with a recurring monthly charge is consistent with the structure of Rate LED. If

a customer desires to pay the Company under a structure like Rate OL-E, they can choose to take service under that rate instead of Rate LED.

PERSON RESPONSIBLE: Jeff L. Kern

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STAFF-RHDR-01-010

REQUEST:

Indicate whether Duke Kentucky would be willing to revise the Rate LED monthly payment option proposal for additional necessary facilities to be similar to Rate OL-E. If so, provide revised tariff language reflecting such.

RESPONSE:

Duke Energy Kentucky is not willing to revise the Rate LED monthly payment option proposal for additional necessary facilities to be similar to Rate OL-E as customers already can elect to install LED equipment under Rate OL-E. The purpose of the LED tariff changes were to provide additional payment options and flexibility to customers. LED equipment has been installed under rate OL-E since 2013 and will continue to be offered under that rate for those customers who wish to utilize that payment structure. If the Commission should find that a monthly payment option for additional facilities is not appropriate under the LED tariff, the Company prefers to leave the tariff as currently implemented with only the option to pay for additional facilities upfront.

PERSON RESPONSIBLE: Jeff L. Kern

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STAFF-RHDR-01-011

REQUEST:

For both the original proposal in this case and if the proposal was structured similar to Rate OL-E, assuming an additional necessary facilities investment of \$10,000, an Agreement term of 10 years, and a useful life of 15 years, provide a side-by-side comparison of what a customer who pays the entire cost up front would pay over the life of the facilities and what a customer who chooses to pay monthly would pay over the life of the facilities.

RESPONSE:

Please see table below. The proposed monthly payment is based on 0.0099 (See page 4 of STAFF-RHDR-01-014 Attachment) times \$10,000 times the number of months. For the calculation based on Rate OL-E, a maintenance charge of \$9.62 per month was included.

	Up Front Payment	Proposed Additional Facilities Monthly Charge	Additional Facilities Monthly Charge Based on OL-E
Initial Payment	\$10,000	-	-
Years 1 – 10	-	\$11,880	\$13,034
Years 11 – 15	-	\$5,940	\$577
Total Payments	\$10,000	\$17,820	\$13,611

PERSON RESPONSIBLE: Jeff L. Kern

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STAFF-RHDR-01-012

REQUEST:

If Duke Kentucky would not be willing the structure the proposed option similar to Rate OL-E, explain what would happen under the original proposal if the customer terminated the agreement early.

RESPONSE:

Per the agreement for LED service, "If Customer requests part or all of the System's removal before the end of the System's useful life, including by reason of termination of this Agreement, Customer must pay Company's unrecovered costs of the System, to be determined at the sole discretion Company, plus System removal costs."

PERSON RESPONSIBLE: Jeff L. Kern

Duke Energy Kentucky
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STAFF-RHDR-01-013

REQUEST:

For both the original proposal in this case and if the proposal was structured similar to Rate OL-E, explain who would be responsible for replacing the additional facilities in the event they needed to be replaced.

RESPONSE:

Under the original proposal for Rate LED, Duke Energy Kentucky would be responsible for replacing the additional facilities in the event they needed to be replaced.

Under a structure for additional facilities similar to Rate OL-E, if the replacement is required prior to the end of the agreement term, while the customer is still making payments on the equipment, then Duke Energy Kentucky is responsible for replacing the additional facilities. If the replacement is required after the agreement term, then the customer is responsible.

PERSON RESPONSIBLE: Jeff L. Kern

Duke Energy Kentucky
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STAFF-RHDR-01-014

REQUEST:

Provide the cost justification for the LED pole foundations, brackets, and wiring in Excel format with all formulas intact and cells unprotected.

RESPONSE:

Please see STAFF-RHDR-01-014 Attachment. There are tabs in the spreadsheet to show the calculation of the Levelized Fixed Charge Rate (LFCR) as originally filed and as revised per the Commission's April 27, 2020 Order in this case. The calculations of the monthly rates are also shown both as originally filed and as proposed by the Company to reflect the Return on Equity allowed by the Commission in this case.

Please note the Company has recently discovered there were errors in the Maintenance Charge for three of the new fixture types. Fixtures with wattage under 170 should have a Maintenance Charge of \$4.51 and fixtures with wattage greater or equal to 170 should have a Maintenance Charge of \$5.50. Therefore, the following revisions to Rate LED are incorporated and requested to be approved. To date, no customers have been impacted by this error.

	Watts	Originally Approved	Proposed
260W Flood LED	260	\$4.51	\$5.50
50W Mitchell Top Hat w/ Ribs, Bands and Medallions LED	50	\$5.50	\$4.51
50W Open Monticello LED	50	\$5.50	\$4.51

PERSON RESPONSIBLE: Jeff L. Kern

Duke Energy Kentucky
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STAFF-RHDR-01-015

REQUEST:

Confirm that the ROE updates to Rate LED involve only the pole foundations, brackets, and wiring. If this cannot be confirmed, provide the updated Rate LED cost justifications in Excel format with all formulas, intact and cells unprotected.

RESPONSE:

The ROE updates should also include fixtures and poles that were not included in the previous Rate LED tariff approved in 2018, as these rates were calculated in the same manner as pole foundations, brackets and wiring. The rates for fixtures and poles that were already included in the previous tariff were increased by the overall percent for street lighting rather than being recalculated. Please see STAFF-RHDR-01-014 Attachment for the cost justifications both for the original filing and revised per the approved ROE.

Please see STAFF-RHDR-01-015 Attachment for the proposed Rate LED tariff in redline.

PERSON RESPONSIBLE: Jeff L. Kern

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

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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.

(H)
(H)
(H)
(H)

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.

(H)

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.

(H)
(H)
(H)
(H)
(H)

NET MONTHLY BILL

Computed in accordance with the following charges:

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

(H)

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Commission dated ~~April 27, 2020~~ _____ in Case No. 2019-00271

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

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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

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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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	(+)
TBDLSBX530	530W LED Shoebox	57,000	530	184	\$26.55 ^{26.12}	\$5.50	(NR)
TBDLCLE150	150W Clermont LED	12,500	150	52	\$25.19 ^{24.79}	\$4.51	(NR)
TBDLFL130	130W Flood LED	14,715	130	45	\$8.65 ^{8.51}	\$4.51	(NR)
TBDLFL260	260W Flood LED	32,779	260	90	\$13.61 ^{13.39}	\$4.51 ^{5.50}	(NR)
TBDLMO050	50W Monticello LED	4,157	50	17	\$16.82 ^{16.55}	\$4.51	(NR)
TBDLMT050	50W Mitchell Finial	5,678	50	17	\$15.95 ^{15.69}	\$4.51	(NR)
TBDLMTR050	50W Mitchell Ribs, Bands, and Medallions LED	5,678	50	17	\$17.57 ^{17.29}	\$4.51	(NR)
TBDLMTT050	50W Mitchell Top Hat LED	5,678	50	17	\$15.95 ^{15.69}	\$4.51	(NR)
TBDLMTL050	50W Mitchell Top Hat with Ribs, Bands, and Medallions LED	5,678	50	17	\$17.57 ^{17.29}	\$5.50 ^{4.51}	(NR)
TBDLOMO050	50W Open Monticello LED	4,157	50	17	\$16.75 ^{16.48}	\$5.50 ^{4.51}	(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	(+)
FBDA15J	15' Style A - Fluted - for Shroud - Aluminum Direct Buried Pole	\$5,084.97	(NR)
FBDA20J	20' Style A - Fluted - for Shroud - Aluminum Direct Buried Pole	\$5,665.54	(NR)
FBDA15K	15' Style A - Smooth - for Shroud - Aluminum Direct Buried Pole	\$3,353.28	(NR)
FBDA20K	20' Style A - Smooth - for Shroud - Aluminum Direct Buried Pole	\$5,225.11	(NR)
FBDA Pole Shroud	Shroud - Standard Style for anchor base poles	\$2,452.39	(NR)
FBDB Pole Shroud	Shroud - Style B Pole for smooth and fluted poles	\$2,302.25	(NR)
FBDC Pole Shroud	Shroud - Style C Pole for smooth and fluted poles	\$2,212.16	(NR)
FBDD Pole Shroud	Shroud - Style D Pole for smooth and fluted poles	\$2,382.32	(NR)

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III. Pole Foundations		
Billing Type	Description	Charge per Month per Unit
FBDFND-Flush-A	Flush - Pre-fabricated - Style A Pole	\$10.33 ^{10.11}
FBDFND-Flush-B	Flush - Pre-fabricated - Style B Pole	\$9.34 ^{9.12}
FBDFND-Flush-C	Flush - Pre-fabricated - Style C Pole	\$10.94 ^{10.71}
FBDFND-Flush-E	Flush - Pre-fabricated - Style E Pole	\$10.33 ^{10.11}
FBDFND-Flush-F	Flush - Pre-fabricated - Style F Pole	\$9.34 ^{9.12}
FBDFND-Flush-D	Flush - Pre-fabricated - Style D Pole	\$9.07 ^{8.87}
FBDFND-Reveal-A	Reveal - Pre-fabricated - Style A Pole	\$10.97 ^{10.74}
FBDFND-Reveal-B	Reveal - Pre-fabricated - Style B Pole	\$11.73 ^{11.47}
FBDFND-Reveal-C	Reveal - Pre-fabricated - Style C Pole	\$11.72 ^{11.47}
FBDFND-Reveal-D	Reveal - Pre-fabricated - Style D Pole	\$11.72 ^{11.47}
FBDFND-Reveal-E	Reveal - Pre-fabricated - Style E Pole	\$11.72 ^{11.47}
FBDFND-Reveal-F	Reveal - Pre-fabricated - Style F Pole	\$10.25 ^{10.03}
FBDFND-Screw-in	Screw-in Foundation	\$5.76 ^{5.64}

IV. Brackets		
Billing Type	Description	Charge per Month per Unit
FBDBKT-Wood-14in	14 inch bracket - wood pole - side mount	\$1.37 ^{1.34}
FBDBKT-Wood-4ft	4 foot bracket - wood pole - side mount	\$1.48 ^{1.45}
FBDBKT-Wood-6ft	6 foot bracket - wood pole - side mount	\$1.36 ^{1.33}
FBDBKT-Wood-8ft	8 foot bracket - wood pole - side mount	\$2.19 ^{2.14}
FBDBKT-Wood-10ft	10 foot bracket - wood pole - side mount	\$4.53 ^{4.43}
FBDBKT-Wood-12ft	12 foot bracket - wood pole - side mount	\$3.59 ^{3.52}
FBDBKT-Wood-15ft	15 foot bracket - wood pole - side mount	\$4.37 ^{4.28}
FBDBKT-Side-4ft	4 foot bracket - metal pole - side mount	\$5.28 ^{5.16}
FBDBKT-Side-6ft	6 foot bracket - metal pole - side mount	\$5.64 ^{5.52}
FBDBKT-Side-8ft	8 foot bracket - metal pole - side mount	\$5.67 ^{5.55}
FBDBKT-Side-10ft	10 foot bracket - metal pole - side mount	\$5.98 ^{5.86}
FBDBKT-Side-12ft	12 foot bracket - metal pole - side mount	\$6.80 ^{6.66}

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IV. Brackets (Contd.)		
Billing Type	Description	Charge per Month per Unit
FBDBKT-Side-15ft	15 foot bracket - metal pole - side mount	\$6.956.80
FBDBKT-Tenon-18in-DBL	18 inch bracket - metal pole - double Flood Mount - top mount	\$2.262.21
FBDBKT-Tenon-14in	14 inch bracket - metal pole - single mount - top tenon	\$1.621.59
FBDBKT-Tenon-14in-DBL	14 inch bracket - metal pole - double mount - top tenon	\$2.041.97
FBDBKT-Tenon-14in-TPL	14 inch bracket - metal pole - triple mount - top tenon	\$2.482.43
FBDBKT-Tenon-14in-Quad	14 inch bracket - metal pole - quad mount - top tenon	\$2.322.27
FBDBKT-Tenon-6ft	6 foot - metal pole - single - top tenon	\$2.442.39
FBDBKT-Tenon-6ft DBL	6 foot - metal pole - double - top tenon	\$3.993.82
FBDBKT-Tenon-4ft BH	4 foot - Boston Harbor - top tenon	\$7.947.77
FBDBKT-Tenon-6ft BH	6 foot - Boston Harbor - top tenon	\$8.698.51
FBDBKT-Tenon-12ft BH	12 foot - Boston Harbor Style C pole double mount - top tenon	\$15.6615.33
FBDBKT-Tenon-4ft Davit	4 foot - Davit arm - top tenon	\$8.448.26
FBDBKT-Wood-18in-CH	18 inch - Cobrahead fixture for wood pole	\$1.201.18
FBDBKT-Wood-18in-FL	18 inch - Flood light for wood pole	\$1.351.32

V. Wiring Equipment		
Billing Type	Description	Charge per Month per Unit
FBDMISC-Sec-PED	Secondary Pedestal (cost per unit)	\$2.072.03
FBDMISC-Handhole	Handhole (cost per unit)	\$1.721.68
FBDCABLE-6AL-Trench	6AL DUPLEX and Trench (cost per foot)	\$0.920.90
FBDCABLE-6AL-Trench-Conduit	6AL DUPLEX and Trench with conduit (cost per foot)	\$0.960.94
FBDCABLE-6AL-Existing Conduit	6AL DUPLEX with existing conduit (cost per foot)	\$0.890.87
FBDCABLE-6AL-Bore-Conduit	6AL DUPLEX and Bore with conduit (cost per foot)	\$1.101.08
FBDWIRE-6AL	6AL DUPLEX OH wire (cost per foot)	\$0.880.86

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.

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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)~~
~~(N)~~
~~(N)~~
~~(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.
- 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.
- 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)~~
(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 0.99% of the cost of the additional facility investment amount monthly. ~~(N)~~
~~(N)~~
~~(N)~~
~~(N)~~
(NT)

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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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