

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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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:

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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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KENTUCKY PUBLIC SERVICE COMMISSION

KENTUCKY PUBLIC SERVICE COMMISSION

Kent A. Chandler
Executive Director



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5/1/2020
PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

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

KY.P.S.C. Electric No. 2
 Second Revised Sheet No. 64
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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
TBD	530W LED Shoebox	57,000	530	184	\$26.55	\$5.50
TBD	150W Clermont LED	12,500	150	52	\$25.19	\$4.51
TBD	130W Flood LED	14,715	130	45	\$8.65	\$4.51
TBD	260W Flood LED	32,779	260	90	\$13.61	\$4.51
TBD	50W Monticello LED	4,157	50	17	\$16.82	\$4.51
TBD	50W Mitchell Finial	5,678	50	17	\$15.95	\$4.51
TBD	50W Mitchell Ribs, Bands, and Medallions LED	5,678	50	17	\$17.57	\$4.51
TBD	50W Mitchell Top Hat LED	5,678	50	17	\$15.95	\$4.51
TBD	50W Mitchell Top Hat with Ribs, Bands, and Medallions LED	5,678	50	17	\$17.57	\$5.50
TBD	50W Open Monticello LED	4,157	50	17	\$16.75	\$5.50

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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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IV. Brackets (Contd.)		
Billing Type	Description	Charge per Month per Unit
TBD	15 foot bracket - metal pole - side mount	\$6.95
TBD	18 inch bracket - metal pole - double Flood Mount - top mount	\$2.26
TBD	14 inch bracket - metal pole - single mount - top tenon	\$1.62
TBD	14 inch bracket - metal pole - double mount - top tenon	\$2.01
TBD	14 inch bracket - metal pole - triple mount - top tenon	\$2.48
TBD	14 inch bracket - metal pole - quad mount - top tenon	\$2.32
TBD	6 foot - metal pole - single - top tenon	\$2.44
TBD	6 foot - metal pole - double - top tenon	\$3.90
TBD	4 foot - Boston Harbor - top tenon	\$7.94
TBD	6 foot - Boston Harbor - top tenon	\$8.69
TBD	12 foot - Boston Harbor Style C pole double mount - top tenon	\$15.66
TBD	4 foot - Davit arm - top tenon	\$8.44
TBD	18 inch - Cobrahead fixture for wood pole	\$1.20
TBD	18 inch - Flood light for wood pole	\$1.35

V. Wiring Equipment		
Billing Type	Description	Charge per Month per Unit
TBD	Secondary Pedestal (cost per unit)	\$2.07
TBD	Handhole (cost per unit)	\$1.72
TBD	6AL DUPLEX and Trench (cost per foot)	\$0.92
TBD	6AL DUPLEX and Trench with conduit (cost per foot)	\$0.96
TBD	6AL DUPLEX with existing conduit (cost per foot)	\$0.89
TBD	6AL DUPLEX and Bore with conduit (cost per foot)	\$1.10
TBD	6AL DUPLEX OH wire (cost per foot)	\$0.88

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.

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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:

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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. (N)
- 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. (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. (N)

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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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