RATE LED

LED OUTDOOR LIGHTING ELECTRIC SERVICE

APPLICABILITY

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

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

Automatically controlled lighting service (i.e., photoelectric cell, or digitally controlled node); alternating current, 60 cycle, single phase, at the Company's standard voltage available. This service may include "smart" lighting technologies, at the sole discretion of the Company.

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.

NET MONTHLY BILL

Computed in accordance with the following charges:

 Base Rate All kWh

\$0.038305 per kWh

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



May 1, 2020 Issued by authority of an Commission dated October 2, 2018 in Case No. 2017-00321 Issued: October 11, 2018 Effective: October 2, 2018 **SERVICE COMMISSION** Issued by: Amy B. Spiller, President /s/ Amy B. Spiller

KENTUCKY PUBLIC SERVICE COMMISSION		
Gwen R. Pinson Executive Director		
Steven R. Punson		
EFFECTIVE		
10/2/2018 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)		

NET MONTHLY BILL (Contd.)

3. Monthly Maintenance, Fixture, and Pole Charges:

I. Fixtures	tures			Per Unit Per Month		
Billing Type	Description	Initial Lumens	Lamp Wattage	Monthly kWh	Fixture	Maintenance
LF-LED-50W-SL-BK-MW	50W Standard LED-BLACK	4,521	50	17	\$4.93	\$4.24
LF-LED-70W-SL-BK-MW	70W Standard LED-BLACK	6,261	70	24	\$4.92	\$4.24
LF-LED-110W-SL-BK-MW	110W Standard LED-BLACK	9,336	110	38	\$5.58	\$4.24
LF-LED-150W-SL-BK-MW	150W Standard LED-BLACK	12,642	150	52	\$7.39	\$4.24
LF-LED-220W-SL-BK-MW	220W Standard LED-BLACK	18,641	220	76	\$8.38	\$5.17
LF-LED-280W-SL-BK-MW	280W Standard LED-BLACK	24,191	280	97	\$10.31	\$5.17
LF-LED-50W-DA-BK-MW	50W Deluxe Acorn LED-BLACK	5,147	50	17	\$14.38	\$4.24
LF-LED-50W-AC-BK-MW	50W Acorn LED-BLACK	5,147	50	17	\$12.96	\$4.24
LF-LED-50W-MB-BK-MW	50W Mini Bell LED-BLACK	4,500	50	17	\$12.22	\$4.24
LF-LED-70W-BE-BK-MW	70W Bell LED-BLACK	5,508	70	24	\$15.56	\$4.24
LF-LED-50W-TR-BK-MW	50W Traditional LED-BLACK	3,230	50	17	\$9.39	\$4.24
LF-LED-50W-OT-BK-MW	50W Open Traditional LED-BLACK	3,230	50	17	\$9.39	\$4.24
LF-LED-50W-EN-BK-MW	50W Enterprise LED-BLACK	3,880	50	17	\$12.62	\$4.24
LF-LED-70W-ODA-BK-MW	70W LED Open Deluxe Acorn	6,500	70	24	\$14.02	\$4.24
LF-LED-150W-TD-BK-MW	150W LED Teardrop	12,500	150	52	\$18.83	\$4.24
LF-LED-50W-TDP-BK-MW	50W LED Teardrop Pedestrian	4,500	50	17	\$15.28	\$4.24
220W LED SHOEBOX	220W LED Shoebox	18,500	220	76	\$13.04	\$5.17
LF-LED-50W-SL-BK-MW	LED 50W 4521 LUMENS STANDARD LED BLACK TYPE III 4000K	4,521	50	17	\$4.93	\$4.24
LF-LED-70W-SL-BK-MW	LED 70W 6261 LUMENS STANDARD LED BLACK TYPE III 4000K	6,261	70	24	\$4.92	\$4.24
LF-LED-110W-SL-BK-MW	LED 110W 9336 LUMENS STANDARD LED BLACK TYPE III 4000K	9,336	110	38	\$5.58	\$4.24
LF-LED-150W-SL-BK-MW	LED 150W 12642 LUMENS STANDARD LED BLACK TYPE III 4000K	12,642	150	52	\$7.39	\$4.24
LF-LED-150W-SL-IV-BK- MW	LED 150W 13156 LUMENS STANDARD LED TYPE IV BLACK 4000K	13,156	150	52	\$7.39	\$4.24
LF-LED-220W-SL-BK-MW	LED 220W 18642 LUMENS STANDARD LED BLACK TYPE III 4000K	18,642	220	76	\$8.38	\$5.17



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KY.P.S.C. Electric No. 2 First Revised Sheet No. 64 Cancels and Supersedes Original Sheet No. 64 Page 2 of 8

Duke Energy Kentucky, Inc. 4580 Olympic Blvd. Erlanger, KY 41018

Fixtures (Contd.)				Per Unit Per Month		
Billing Type	Description	Initial Lumens	Lamp Wattage	Monthly kWh	Fixture	Maintenance
LF-LED-280W-SL-BK-MW	LED 280W 24191 LUMENS STANDARD LED BLACK TYPE III 4000K	24,191	280	97	\$10.31	\$5.17
LF-LED-50W-DA-BK-MW	LED 50W DELUXE ACORN BLACK TYPE III 5,147 50 4000K		17	\$14.38	\$4.24	
LF-LED-70W-ODA-BK-MW	LED 70W OPEN DELUXE ACORN BLACK 6,500 70 24 \$14.02 TYPE III 4000K					\$4.24
LF-LED-50W-AC-BK-MW	LED 50W ACORN BLACK TYPE III 4000K	5,147	50	17	\$12.96	\$4.24
LF-LED-50W-MB-BK-MW	LED 50W MINI BELL LED BLACK TYPE III 4000K MIDWEST	4,500	50	17	\$12.22	\$4.24
LF-LED-70W-BE-BK-MW	LED 70W 5508 LUMENS SANIBELL BLACK TYPE III 4000K	5,508	70	24	\$15.56	\$4.24
LF-LED-50W-TR-BK-MW	LED 50W TRADITIONAL BLACK TYPE III 4000K	3,303	50	17	\$9.39	\$4.24
LF-LED-50W-OT-BK-MW	LED 50W OPEN TRADITIONAL BLACK TYPE III 4000K	3,230	50	17	\$9.39	\$4.24
LF-LED-50W-EN-BK-MW	LED 50W ENTERPRISE BLACK TYPE III 4000K	3,880	50	17	\$12.62	\$4.24
LF-LED-150W-TD-BK-MW	LED 150W LARGE TEARDROP BLACK TYPE III 4000K	12,500	150	52	\$18.83	\$4.24
LF-LED-50W-TDP-BK-MW	LED 50W TEARDROP PEDESTRIAN BLACK TYPE III 4000K	4,500	50	17	\$15.28	\$4.24
LF-LED-220W-SB-BK-MW	LED 220W SHOEBOX BLACK TYPE IV 4000K	18,500	220	76	\$13.04	\$5.17
LF-LED-150W-BE-BK-MW	150W Sanibel	39,000	150	52	\$15.56	\$4.24
LF-LED-420W-SB-BK-MW	420W LED Shoebox	39,078	420	146	\$19.46	\$5.17
LF-LED-50W-NB-GY-MW	50W Neighborhood	5,000	50	17	\$4.01	\$4.24
LF-LED-50W-NBL-GY-MW	50W Neighborhood with Lens	5,000	50	17	\$4.18	\$4.24

II. Poles		
Billing Type	Description	Charge per Month per Unit
LP-12-C-PT-AL-AB-TT-BK-MW	12' C-Post Top- Anchor Base-Black	\$9.30
LP-25-C-DV-AL-AB-TT-BK-MW	25' C-Davit Bracket- Anchor Base-Black	\$24.46
LP-25-C-BH-AL-AB-TT-BK-MW	25' C-Boston Harbor Bracket- Anchor Base-Black	\$24.73
LP-12-E-AL-AB-TT-BK-MW	12' E-AL - Anchor Base-Black	\$9.30

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II. Poles (Contd.)		
Billing Type	Description	Charge per Month per Unit
15310-40FTALEMB-OLE	35' AL-Side Mounted-Direct Buried Pole	\$15.74
15320-30FTALAB-OLE	30' AL-Side Mounted-Anchor Base	\$12.13
15320-35FTALAB-OLE	35' AL-Side Mounted-Anchor Base	\$11.80
15320-40FTALAB-OLE	40' AL-Side Mounted-Anchor Base	\$14.59
POLE-30-7	30' Class 7 Wood Pole	\$5.77
POLE-35-5	35' Class 5 Wood Pole	\$6.27
POLE-40-4	40' Class 4 Wood Pole	\$9.44
POLE-45-4	45' Class 4 Wood Pole	\$9.79
15210-20BRZSTL-OLE	20' Galleria Anchor Based Pole	\$8.32
15210-30BRZSTL-OLE	30' Galleria Anchor Based Pole	\$9.84
15210-35BRZSTL-OLE	35' Galleria Anchor Based Pole	\$28.29
LP-12-A-AL-AB-TT-BK-MW	MW-Light Pole-12' MH- Style A-Aluminum-Anchor Base-Top Tenon-Black	\$5.64
LP-12-A-AL-DB-TT-BK-MW	MW-Light Pole-Post Top-12' MH- Style A-Alum-Direct Buried-Top Tenon- Black	\$4.83
LP-15-A-AL-AB-TT-BK-MW	Light Pole-15' MH-Style A-Aluminum-Anchor Base-Top Tenon-Black	\$5.80
LP-15-A-AL-DB-TT-BK-MW	Light Pole-15' MH-Style A-Aluminum-Direct Buried-Top Tenon-Black	\$5.02
LP-20-A-AL-AB-TT-BK-MW	Light Pole-20' MH-Style A-Aluminum-Anchor Base-Top Tenon-Black	\$6.08
LP-20-A-AL-DB-TT-BK-MW	Light Pole-20' MH-Style A-Aluminum-Direct Buried-Top Tenon-Black	\$9.32
LP-25-A-AL-AB-TT-BK-MW	Light Pole-25' MH-Style A-Aluminum-Anchor Base-Top Tenon-Black	\$7.21
LP-25-A-AL-DB-TT-BK-MW	Light Pole-25' MH-Style A-Aluminum-Direct Buried-Top Tenon-Black	\$10.39
LP-30-A-AL-AB-TT-BK-MW	Light Pole-30' MH-Style A-Aluminum-Anchor Base-Top Tenon-Black	\$8.52
LP-30-A-AL-DB-TT-BK-MW	Light Pole-30' MH-Style A-Aluminum-Direct Buried-Top Tenon-Black	\$11.56
LP-35-A-AL-AB-TT-BK-MW	Light Pole-35' MH-Style A-Aluminum-Anchor Base-Top Tenon-Black	\$9.84
LP-35-A-AL-DB-TT-BK-MW	Light Pole-35' MH-Style A-Aluminum-Direct Buried-Top Tenon-Black	\$12.49
LP-12-B-AL-AB-TT-GN-MW	MW-Light Pole-12' MH- Style B Aluminum Anchor Base-Top Tenon Black Pri	\$6.87
LP-12-C-PT-AL-AB-TT-BK-MW	MW-Light Pole-12' MH-Style C-Post Top-Alum-Anchor Base-TT-Black Pri	\$9.30
LP-16-C-DV-AL-AB-TT-GN-MW	MW-LT Pole-16' MH-Style C-Davit Bracket-Alum-Anchor Base-TT-Black	\$12.45
LP-25-C-DV-AL-AB-TT-BK-MW	MW-Light Pole-25' MH-Style C-Davit Bracket-Alum-Anchor Base-TT-Black Pri	\$24.46

CANCELLED

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II. Poles (Contd.)		
Billing Type	Description	Charge per Month per Unit
LP-16-C-BH-AL-AB-TT-GN-MW	MW-LT Pole-16' MH-Style C-Boston Harbor Bracket-AL-AB-TT-Black Pri	\$9.97
LP-25-C-BH-AL-AB-TT-BK-MW	MW-LT Pole-25' MH-Style C-Boston Harbor Bracket-AL-AB-TT-Black Pri	\$24.73
LP-12-D-AL-AB-TT-GN-MW	MW-LT Pole 12 Ft MH Style D Alum Breakaway Anchor Base TT Black Pri	\$9.21
LP-12-E-AL-AB-TT-BK-MW	MW-Light Pole-12' MH-Style E-Alum-Anchor Base-Top Tenon-Black	\$9.30
LP-12-F-AL-AB-TT-GN-MW	MW-Light Pole-12' MH-Style F-Alum-Anchor Base-Top Tenon-Black Pri	\$9.96
15210-20BRZSTL-OLE	MW-15210-Galleria Anchor Base-20FT Bronze Steel-OLE	\$8.32
15210-30BRZSTL-OLE	MW-15210-Galleria Anchor Base-30FT Bronze Steel-OLE	\$9.84
15210-35BRZSTL-OLE	MW-15210-Galleria Anchor Base-35FT Bronze Steel-OLE	\$28.29
15310-40FTALEMB-OLE	MW-15310-35FT MH Aluminum Direct Embedded Pole-OLE	\$15.74
15320-30FTALAB-OLE	MW-15320-30FT Mounting Height Aluminum Achor Base Pole-OLE	\$12.13
15320-35FTALAB-OLE	MW-15320-35FT Mounting Height Aluminum Achor Base Pole-OLE	\$11.80
15320-40FTALAB-OLE	MW-15320-40FT Mounting Height Aluminum Achor Base Pole-OLE	\$14.59
POLE-30-7	MW-POLE-30-7	\$5.77
POLE-35-5	MW-POLE-35-5	\$6.27
POLE-40-4	MW-POLE-40-4	\$9.44
POLE-45-4	MW-POLE-45-4	\$9.79

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.

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. An estimate of the cost will be submitted for approval before work is carried out.

CANCELLED May 1, 2020 KENTUCKY PUBLIC SERVICE COMMISSION

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KENTUCKY PUBLIC SERVICE COMMISSION
Gwen R. Pinson Executive Director
Shwen R. Punson
EFFECTIVE
10/2/2018
PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

	First Revised Sheet No. 64
Duke Energy Kentucky, Inc.	Cancels and Supersedes
4580 Olympic Blvd.	Original Sheet No. 64
Erlanger, KY 41018	Page 6 of 8

OWNERSHIP OF SERVICE LINES (Contd.)

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 lighting output or with service lines or wires of the Company used for 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

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, applicable Customer Charges and removal cost of the facilities.

Special Provisions:

- 1. The customer shall execute a contract on the Company's standard filed contract form for service under this rate schedule.
- 2. Where the Company provides a LED fixture or pole type 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.
- 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.



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KY.P.S.C. Electric No. 2

	First Revised Sheet No. 64
Duke Energy Kentucky, Inc.	Cancels and Supersedes
4580 Olympic Blvd.	Original Sheet No. 64
Erlanger, KY 41018	Page 7 of 8

TERMS OF SERVICE (Contd.)

- 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 For equipment not listed above?
- 5. kWh consumption for customer-owned fixtures shall be metered. Installation of customerowned lighting facilities shall be provided for by the customer.
- 6. No Pole Charge shall be applicable for a fixture installed on a company-owned pole which is utilized for other general electrical distribution purposes.
- 7. The Company will repair or replace malfunctioning lighting fixtures maintained by the Company.
- 8. 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.
- 9. 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.
- 10. All new leased LED lighting shall be installed on poles owned by the Company.
- 11. 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.
- 12. 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.
- 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/or 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.



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	First Revised Sheet No. 64
Duke Energy Kentucky, Inc.	Cancels and Supersedes
4580 Olympic Blvd.	Original Sheet No. 64
Erlanger, KY 41018	Page 8 of 8

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.



SERVICE COMMISSION

KENTUCKY PUBLIC SERVICE COMMISSION Gwen R. Pinson Executive Director Wwen R. Punson EFFECTIVE 10/2/2018 PURSUANT TO 807 KAR 5:011 SECTION 9 (1)

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