

STANDARD PRICING SCHEDULE: LED
LED Lighting

STATE OF OKLAHOMA
Code No. 45

EFFECTIVE IN: All areas and municipalities served retail by the Company.

AVAILABILITY: This optional tariff is available, upon application, to OG&E customers (“Retail Customers”) in all areas served by retail electric distribution lines of the Company. This tariff is also available to municipalities (including municipal trusts) (“Municipal Customers”) for year-round dusk-to-dawn outdoor lighting service which is billed to and paid by the municipality for lighting highways, streets, other public thoroughfares, and municipal park areas, but not including athletic fields or swimming pools. Additionally, this tariff is available when, and only when, the percentage of lighting investment is 100% provided by the Company.

A. **LIGHTING CHARGE:** The monthly charges for LED lighting installations shall consist of the Fixture Charge and the Energy Charge.

1. **FIXTURE CHARGE:** The monthly rate for each lighting fixture installed on an existing pole and using existing secondary circuits is as follows:

LED Lighting Fixtures Pricing (Construction Standards)				
Rate Code	Specification Wattage	Price of Fixture on Existing Distribution Pole	Average Monthly kWh	Average Fixture Watts
LED01	75 and Less	\$5.19	17	49
LED02	76 to 125	\$7.40	41	117
LED03	126 to 400	\$9.86	85	244
LED01D	75 and Less	\$7.81	16	45
LED02D	76 to 125	\$8.56	30	86
LED03D	126 to 400	\$20.12	85	242
LED01F	75 and Less	\$7.37	19	53
LED02F	76 to 125	\$8.63	34	98
LED03F	126 to 400	\$9.78	56	159
LED04F	201 to 400	\$14.36	106	303
LEDHM04*	551 to 699	\$26.99	219	627

* See Section J of this tariff for specific Terms and Conditions related to this fixture type

Where the amount of required buried cable exceeds an average of 150 feet per fixture, an amount equal to the average installed cost per foot of buried cable times the footage

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(Effective)	(Order No.)	(Cause/Docket No.)
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July 1, 2018	679358	PUD 201700496
May 1, 2017	662059	PUD 201500273
December 19, 2016	658806	PUD 201600366 (original)

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in excess of 150 feet per fixture shall be paid to the Company in advance of construction and without the right of refund.

2. **ENERGY CHARGE:** LED lighting units may include kWh consumption meters to measure the energy consumption. The Company may utilize, as soon as it is technically feasible, the measured energy to bill for the kWh consumption.
- A. **Metered Consumption:** For metered lighting units, the metered monthly consumption of each lighting unit will be used for determining the energy charge.
- B. **Non-metered Consumption:** For non-metered lighting units, the monthly consumption of each lighting unit is derived from the kWh listed in the LED Lighting Fixtures Pricing table within this pricing schedule. The consumption shall be deemed to occur during off-peak hours.

Energy Charge for All kWh **2.594 cents per kWh**

3. **APPLICATION OF FUEL COST ADJUSTMENT (FCA):** The FCA_{on}, FCA_{off}, and FCA_w shall apply to the energy component of this tariff as follows: the FCA_{on} shall apply to all on-peak energy sales during the summer season; the FCA_{off} shall apply to all off-peak energy sales during the summer season; and, the FCA_w shall apply to all kWh sales during the winter season.

DEFINITION OF SEASONS:

Summer Season: The five OG&E Revenue Months of June through October

On-Peak Hours: From June 1 through September 30, beginning each day at 2:00 p.m. until 7:00 .m. local time, excluding Saturday, Sunday, Independence Day (as observed) and Labor Day.

Off-Peak Hours: All hours not defined as On-Peak Hours.

Winter Season: The seven revenue months of November through May

- B. **ADDITIONAL CHARGES:** If an extension of the Company's secondary circuit (greater than 150 feet) and/or a new support pole for the lighting unit is required, the above monthly rate shall be increased according to the additional charges in this section. Please note that a pole shall be required for each span of overhead wiring required for an extension of the

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Company's secondary circuit. A span of overhead wiring is considered a distance of 150 feet or less.

1. Municipal Customers:

Poles (Construction Standards) (100% owned by Company)			
LM Code	Length	Specification	Price of Distribution Pole
PMO1	30'	Standard Wood	\$5.92
PMO2	35'	Standard Wood	\$7.88
PMO3	40'	Standard Wood	\$8.68
PMO4	45'	Standard Wood	\$9.74
PMO5	50'	Standard Wood	\$11.26
PMO6	14'-19'	Standard, Other than Wood	\$9.12
PMO7	20'-24'	Standard, Other than Wood	\$10.10
PMO8	25'-27'	Standard, Other than Wood	\$12.19
PMO9	28'-32'	Standard, Other than Wood	\$15.30
PMO10	33'-37'	Standard, Other than Wood	\$17.08
PMO11	38'-42'	Standard, Other than Wood	\$23.97
PMO12	43'-47'	Standard, Other than Wood	\$23.97
P13	13' -19'	Decorative Black Fluted Concrete - Single Arm - Direct Buried	\$18.58
P14	13' -19'	Decorative Black Fluted Concrete - Double Arm - Direct Buried	\$25.89
P15	13' -19'	Decorative Black Fluted Concrete - Single Arm - Anchor Base	\$28.87
P16	13' -19'	Decorative Black Fluted Concrete - Double Arm - Anchor Base	\$36.17
P17	30'	Decorative Black Fluted Steel - Single Arm – with Base	\$42.02
P18	30'	Decorative Black Fluted Steel - Double Arm – with Base	\$45.94
P19	25'	Decorative Steel – Single Arm	\$33.24
P20	30'	Decorative Steel – Single Arm	\$33.24
P21	30'	Decorative Steel – Double Arm	\$42.06
P22	20'-30'	Decorative Bronze – Single/Double Arm	\$20.59
P23	29'	Decorative Black Fluted Concrete - Single Arm – Anchor Base	\$49.68
P24	29'	Decorative Black Fluted Concrete - Double Arm – Anchor Base	\$59.23
P25	13'-19'	Decorative Black Fluted Aluminum - Single Arm – Anchor Base	\$14.18
P26	13'-19'	Decorative Black Fluted Aluminum - Double Arm – Anchor Base	\$21.60

Poles (Construction Standards) (0% owned by Company)

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LM Code	Length	Specification	Price of Distribution Pole
PMC1	30'	Standard Wood Pole	\$0.91
PMC2	35'	Standard Wood Pole	\$0.91
PMC3	40'	Standard Wood Pole	\$1.25
PMC4	45'	Standard Wood Pole	\$1.63
PMC5	50'	Standard Wood Pole	\$2.26
PMC6	14'-19'	Standard Pole, Other than Wood	\$1.54
PMC7	20'-24'	Standard Pole, Other than Wood	\$1.63
PMC8	25'-27'	Standard Pole, Other than Wood	\$1.87
PMC9	28'-32'	Standard Pole, Other than Wood	\$2.26
PMC10	33'-37'	Standard Pole, Other than Wood	\$2.73
PMC11	38'-42'	Standard Pole, Other than Wood	\$3.07
PMC12	43'-47'	Standard Pole, Other than Wood	\$3.50

Miscellaneous Facilities (Construction Standards)				
LM Code	Length	Specification	Percentage of Pole Investment Provided by Company	
			100%	None
MF1		Break-away Base	\$4.32	\$0.34
MF2	80'	Metal pole with lowering ring	N/A	\$5.51

LM Code	Specification
UG	Underground wiring will be available at the above rate plus \$3.25 per month where the amount of required buried cable does not exceed, on the average, 150 feet per pole. An amount payable in advance and without right of refund shall be charged equal to the average installed cost per foot of buried cable times the footage in excess of 150 feet per pole.
HSP	If a hand-set pole is required due to the inaccessibility of the pole location, an additional charge of \$369.00 will be required. This additional charge will only cover labor items, not material.
TR	If any additional trenching is required, due to the hand-set pole, the price will be \$3.00 per foot plus applicable material charges. These charges shall be paid to the Company in advance of construction and without the right of refund.

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2. Retail Customers:

Poles (Construction Standards)			
OSL Code	Length	Specification	Price of Distribution Pole
PO1	30'	Standard Wood	\$5.97
PO2	35'	Standard Wood	\$7.94
PO3	40'	Standard Wood	\$8.75
PO4	45'	Standard Wood	\$9.83
PO5	50'	Standard Wood	\$11.36
PO6	14'-19'	Standard, Other than Wood	\$9.19
PO7	20'-24'	Standard, Other than Wood	\$10.18
PO8	25'-27'	Standard, Other than Wood	\$12.30
PO9	28'-32'	Standard, Other than Wood	\$15.44
PO10	33'-37'	Standard, Other than Wood	\$17.23
PO11	38'-42'	Standard, Other than Wood	\$24.18
PO12	43'-47'	Standard, Other than Wood	\$24.18
P13	13' -19'	Decorative Black Fluted Concrete - Single Arm - Direct Buried	\$18.58
P14	13' -19'	Decorative Black Fluted Concrete - Double Arm - Direct Buried	\$25.89
P15	13' -19'	Decorative Black Fluted Concrete - Single Arm - Anchor Base	\$28.87
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P20	30'	Decorative Steel – Single Arm	\$33.24
P21	30'	Decorative Steel – Double Arm	\$42.06
P22	20'-30'	Decorative Bronze – Single/Double Arm	\$20.59
P23	29'	Decorative Black Fluted Concrete - Single Arm – Anchor Base	\$49.68
P24	29'	Decorative Black Fluted Concrete - Double Arm – Anchor Base	\$59.23
P25	13'-19'	Decorative Black Fluted Aluminum - Single Arm – Anchor Base	\$14.18
P26	13'-19'	Decorative Black Fluted Aluminum - Double Arm – Anchor Base	\$21.60

OSL Code	Specification
UG	Underground wiring will be available at the above rate plus \$4.53 per month where the amount of required buried cable does not exceed, on the average, 150 feet per pole. An amount payable in advance and without right of refund shall be charged equal to the

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	average installed cost per foot of buried cable times the footage in excess of 150 feet per pole.
HSP	If a hand-set pole is required due to the inaccessibility of the pole location, an additional charge of \$369.00 will be required. This additional charge will only cover labor items, not material.
TR	If any additional trenching is required, due to the hand-set pole, the price will be \$3.00 per foot plus applicable material charges. These charges shall be paid to the Company in advance of construction and without the right of refund.

C. INSTALLATION OF UNITS:

Adequate clearance for the necessary lines shall be arranged for by the customer.

When the Company is required to install additional lights at a location which is more than 600 feet from an existing suitable source of power supply of secondary voltage (overhead or underground), the municipality shall pay to the Company the additional cost of the extension over 600 feet, by method 2 below.

Where underground service is installed and trenching is not normal, i.e., paving must be broken and replaced or boring is required or other trenching obstructions such as rock, etc., are encountered, the municipality shall pay the additional cost of trenching involved above the cost of normal trenching by either of the following two methods:

- 1) The municipality shall perform all difficult trenching, break paving, bore under obstructions, install duct furnished by the Company, backfill and replace the paving to the mutual satisfaction of all parties concerned.
- 2) The municipality shall pay to the Company in advance and without right of refund an amount equal to the additional cost of construction.

D. SPECIAL OR NON-STANDARD OPTIONS: Special or non-standard options, such as lighting fixtures, poles, arms, etc., are not available under this tariff.

E. LATE PAYMENT CHARGE: A late payment charge in an amount equal to 1.5 percent of the total balance for services and charges remaining unpaid on the due date stated on the bill shall be added to the amount due. The due date as stated on the bill shall be 20 days after the bill is issued.

F. REPLACEMENT OF EXISTING NON-LED LIGHTING FIXTURES

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When an order for service for a failed lighting fixture is issued for an existing lighting unit, the Company will replace the existing lighting unit with an LED unit in accordance with the Standard LED Replacement Guide designated by the Company. A failed lighting fixture does not include a burned out or non-functioning lighting element (light bulb), or photo cell unless the Company has determined said lighting components have been discontinued or are no longer practical for operation.

When an order for service is issued to change to a new LED lighting fixture from an existing non-LED lighting fixture that has not failed, OG&E will replace the non-failed in-service fixture for a one-time Conversion Fee. Existing non-standard or unsupported lighting units will be replaced by the LED lighting unit determined by the Standard LED Replacement Guide.

Conversion Fee = \$177.58

Standard LED Replacement Guide Designated by the Company *				
<u>Existing Lighting Fixture</u>		<u>kWh</u>	<u>LED Fixture</u>	<u>kWh</u>
<u>FILx1000</u>		<u>36</u>	<u>LED01</u>	<u>18</u>
<u>FILx1500</u>		<u>46</u>	<u>LED01</u>	<u>18</u>
<u>FILx2500</u>		<u>71</u>	<u>LED01</u>	<u>18</u>
<u>NSMVx3600xDisc</u>	<u>**</u>	<u>41</u>	<u>LED01</u>	<u>18</u>
<u>NSMVx7000xDisc</u>	<u>**</u>	<u>71</u>	<u>LED02</u>	<u>40</u>
<u>NSMVx11500xDisc</u>	<u>**</u>	<u>103</u>	<u>LED02</u>	<u>40</u>
<u>NSMVx20000xDisc</u>	<u>**</u>	<u>161</u>	<u>LED03</u>	<u>85</u>
<u>NSMVx40000xDisc</u>		<u>272</u>	<u>LED03</u>	<u>85</u>
<u>NSHPSx4000xDisc</u>	<u>**</u>	<u>21</u>	<u>LED01</u>	<u>18</u>
<u>NSHPSx9500xCob</u>		<u>41</u>	<u>LED01</u>	<u>18</u>
<u>NSHPSx9500xDir</u>		<u>41</u>	<u>LED01F</u>	<u>18</u>
<u>NSHPSx15500xCob</u>		<u>71</u>	<u>LED01</u>	<u>18</u>
<u>NSHPSx25000xCob</u>	<u>**</u>	<u>107</u>	<u>LED02</u>	<u>40</u>
<u>NSHPSx25000xDir</u>		<u>107</u>	<u>LED02F</u>	<u>34</u>
<u>NSHPSx37000xCob</u>		<u>135</u>	<u>LED03</u>	<u>85</u>
<u>NSHPSx50000xCob</u>	<u>**</u>	<u>169</u>	<u>LED03</u>	<u>85</u>
<u>NSHPSx50000xDir</u>		<u>169</u>	<u>LED03F</u>	<u>56</u>

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<u>NSHPSx140000xCob</u>		<u>396</u>	<u>LED03</u>	<u>85</u>
<u>NSMHx14000xCob</u>		<u>71</u>	<u>LED01</u>	<u>18</u>
<u>NSMHx14000xDir</u>		<u>71</u>	<u>LED01</u>	<u>18</u>
<u>NSMHx14000xDecorative</u>		<u>71</u>	<u>LED01</u>	<u>18</u>
<u>NSMHx21000xCob</u>		<u>105</u>	<u>LED02</u>	<u>40</u>
<u>NSMHx21000xDecorative</u>		<u>105</u>	<u>LED02</u>	<u>40</u>
<u>NSMHx36000xCob</u>		<u>158</u>	<u>LED03</u>	<u>85</u>
<u>NSMHx36000xDir</u>		<u>158</u>	<u>LED03</u>	<u>85</u>
<u>NSMHx100000xCob</u>		<u>394</u>	<u>LED03</u>	<u>85</u>
<u>NSMHx100000xDir</u>	**	<u>394</u>	<u>LED04F</u>	<u>106</u>
<u>MVx7000xUnd</u>		<u>71</u>	<u>LED01</u>	<u>18</u>
<u>HPSx9500xUnd</u>		<u>41</u>	<u>LED01</u>	<u>18</u>
<u>Fluorescentx5700xUnd</u>		<u>48</u>	<u>LED01</u>	<u>18</u>
<u>Fluorescentx12900xUnd</u>		<u>68</u>	<u>LED01</u>	<u>18</u>
<u>Fluorescentx24000xUnd</u>		<u>127</u>	<u>LED02</u>	<u>40</u>
<u>Ornx9500xPtop</u>	**	<u>41</u>	<u>LED01D</u>	<u>16</u>
<u>Ornx25000xPtop</u>	**	<u>107</u>	<u>LED03D</u>	<u>85</u>
<u>Ornx7000xPtop</u>	**	<u>41</u>	<u>LED01D</u>	<u>16</u>
<u>Ornx20000xPtop</u>	**	<u>107</u>	<u>LED03D</u>	<u>85</u>
<u>HPS11 – 140,000</u>	**	<u>396</u>	<u>LEDHM04</u>	<u>219</u>
<u>MH9 – 100,000</u>	**	<u>394</u>	<u>LEDHM04</u>	<u>219</u>

* Customers will be notified of the replacement and any resulting price change.

** Discontinued Fixture Type.

- G. BURNING SCHEDULE:** The standard schedule shall be for dusk-to-dawn service and shall include approximately 4,200 hours of service per year. The Company will use reasonable care to maintain such service. Upon notification of any outage or required maintenance of such facilities, the Company shall be allowed a reasonable length of time to restore normal service during regular working hours.
- H. RIDERS:** All riders applicable to either the Municipal Roadway and Area Lighting or the Outdoor Security Lighting tariffs shall apply. Please refer to the Applicability section of individual Riders to determine if it is relevant to this Pricing Schedule.

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- I. **TERM AND TERMINATION:** The customer shall contract for service for each fixture for a period of not less than three years. A written contract may be required at the discretion of the Company. If service is terminated prior to the completion of the initial term for a fixture, the customer shall be required to pay an Early Termination Fee. The Early Termination Fee for each termination request for removing a single fixture is \$114. If additional fixtures are removed at that time for that service location, the charge for each additional fixture removed is \$50. In the event that an Additional Construction Facility fee is applicable to the fixture, the fee per month for the remaining months of the 36 month term are due upon Early Termination.
- J. **HIGH MAST LED TERMS AND CONDITIONS:** LED Fixtures identified by a Rate Code starting with "LEDHM" are High Mast fixtures and are available only to counties or municipalities, including municipal trusts, for year-round dusk-to-dawn lighting service on High Mast lighting structures. The Company will not own or maintain any High Mast lighting structure, including the poles. The Company will only own and maintain the LED fixtures on High Mast structures. Prior to the Company providing LED lighting service and maintenance to a High Mast lighting structure, the customer shall provide OG&E an up-to-date inspection report from a licensed inspector and, if necessary, documentation showing the completion of any repairs required by the inspection report.

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