

**Outdoor Lighting Service Rate M**

Availability

*Public Lighting*

Available for Street or Highways and areas within the public domain for customers designated as governmental entities, inclusive of the state, municipalities, or other public authorities. Installations on limited access highways, tunnels, bridges and the access and egress ramps thereto are subject to the Special Rate Conditions of this tariff.

*Private Lighting*

Available to private customers for outdoor lighting of areas on private property where necessary fixtures can be supported on existing poles and where such service can be supplied from existing secondary distribution facilities.

In special circumstances outlined in the pole and accessory section below, the Company will install a wooden pole.

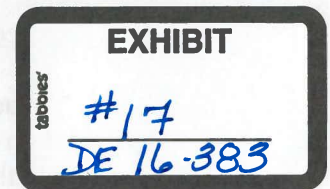
*Lighting Services*

Service under this rate is for full-night service street lighting whereby the luminaire operates for the entire night time period pursuant to the Hours of Operation provision below. In addition, customers may, at their option, take advantage of part-night service in which the luminaire operates for a portion of the night pursuant to the Hours of Operation provision below. Customers may select the part-night service option at the time of lighting installation or at any time during service. Any request to select the part-time night service option must be made in writing.

Energy Charges Per Kilowatt-Hour (cents per kilowatt-hour)

Distribution Charge.....	0.000
<u>Reliability Enhancement/Vegetation Management.....</u>	<u>(0.017)</u>
Total Distribution.....	(0.017)
Transmission Service Cost Adjustment.....	2.359
Stranded Cost Adjustment Factor.....	(0.150)
Storm Recovery Adjustment Factor.....	0.000

No further installation or relocation of Incandescent and Mercury Vapor lights will be made after the effective date of this rate.



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Pole and Accessory Charge

An additional annual charge enumerated below will be applied where the Company is requested to furnish a suitable wood pole for the sole purpose of supporting a luminaire. If at a future date the pole is used for any purpose approved by the Company in addition to supporting a street and/or floodlight luminaire, the pole charge will be terminated. This pole may not be more than one (1) span from the existing secondary service located along a roadway or thoroughfare, and must be reachable for mechanized equipment.

Description	Monthly Price Per Unit
<b>Overhead Service</b>	
Wood Poles	\$8.86
<b>Underground Service – Non-Metallic Standard</b>	
Fiberglass – Direct Embedded	\$9.18
Fiberglass with Foundation < 25 ft.	\$15.57
Fiberglass with Foundation >= 25 ft.	\$26.01
Metal Poles <del>Poles</del> – Direct Embedded	\$18.57
Metal Poles <del>Poles</del> with Foundation	\$22.37

Other Charges

Pursuant to RSA 9-E:4, the Company provides a part-night service that, when requested by a customer, will require the replacement of the photoelectric control that will allow for the operation of the luminaire for a portion of the night. The Company shall assess the customer a Part Night Charge of \$150 for the installation of each photoelectric control that must be replaced in order for part-night service to be operational and for the removal of such photoelectric control upon the customer's request to return to full-night service. For installation or removal of each photoelectric control made during a scheduled maintenance visit or during the installation of a new outdoor lighting service, the Company shall assess the customer a Part Night Charge of \$20 for the installation or removal of each such photoelectric control. The Part Night Charge does not include the cost or fees associated with any work-zone protection, traffic control services and/or permits required to perform the customer requested change, all of which shall be the responsibility of the customer.

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The energy charges for each luminaire will be determined by multiplying the current energy charges per kilowatt-hour by the average monthly kilowatt-hours shown in the following table:

All-Night Service Option:

The monthly kilowatt-hours and distribution rates for each luminaire served under the all-night service option are shown below.

For New and Existing Installations:

Lamp Light Output Lumens	Nominal Power Rating Watts	Monthly KWH per Luminaire												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>High Pressure Sodium Roadway:</u>														
4,000	50	22	18	19	16	16	14	15	16	18	20	20	22	\$7.52
9,600	100	43	37	37	33	33	29	30	33	35	39	41	44	\$9.12
27,500	250	108	92	93	82	78	72	76	82	88	98	102	110	\$16.02
50,000	400	172	147	149	131	125	115	121	132	140	157	164	175	\$20.87

High Pressure Sodium Post Top:

9,600	100	43	37	37	33	33	29	30	33	35	39	41	44	\$10.50
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High Pressure Sodium Flood:

27,500	250	108	92	93	82	78	72	76	82	88	98	102	110	\$16.16
50,000	400	172	147	149	131	125	115	121	132	140	157	164	175	\$22.31

For Existing Installations Only:

Lamp Light Output Lumens	Nominal Power Rating Watts	Monthly KWH per Luminaire												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>Incandescent:</u>														
1,000	103	44	38	38	34	32	30	31	34	36	41	42	45	\$10.04

Mercury Vapor Roadway:

4,000	100	22	18	19	16	16	14	15	16	18	20	20	22	\$7.27
8,000	175	43	37	37	33	33	29	30	33	35	39	41	44	\$8.84
22,000	400	108	92	93	82	78	72	76	82	88	98	102	110	\$16.72
63,000	1000	172	147	149	131	125	115	121	132	140	157	164	175	\$31.72

Mercury Vapor Flood:

22,000	400	108	92	93	82	78	72	76	82	88	98	102	110	\$18.49
63,000	1000	172	147	149	131	125	115	121	132	140	157	164	175	\$31.93

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For New and Existing Installations:

Lamp Light Output Lumens	Nominal Power Rating Watts	Monthly KWH per Luminaire												Monthly Distribution Rate
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
<u>LED:</u>														
3,000	30	13	11	11	10	9	9	9	10	11	12	12	13	\$1.286.28
5,000	50	22	18	19	16	16	14	15	16	18	20	20	22	\$1.747.01
16,000	130	56	48	48	42	40	37	39	43	46	51	53	57	\$13.5720.07
21,000	190	82	70	71	62	59	55	58	62	67	75	78	83	\$17.8627.19
<u>LED Underground Residential Developments:</u>														
5,000	50	22	18	19	16	16	14	15	16	18	20	20	22	\$12.909.08
<u>LED Flood:</u>														
9,400	90	39	33	34	29	28	26	27	30	32	35	37	39	\$13.018.69
14,600	130	56	48	48	42	40	37	39	43	46	51	53	57	\$14.2420.74
<u>LED Barn:</u>														
4,800	50	22	18	19	16	16	14	15	16	18	20	20	22	\$4.977.30

#### Limitations on Availability

The availability of this rate to any Customer is contingent upon the availability to the Company of personnel and/or other resources necessary to perform the conversion of existing Fixtures.

#### Special Rate Conditions

Charges for the operation of outdoor lights may be increased if, in the Company's opinion, lights are to be installed in locations or under conditions such that estimated income will be insufficient to justify the estimated cost of construction.

#### Billings

One-twelfth of the annual price of luminaires, poles and accessories plus energy charges, including adjustments, will be billed each month beginning with the month following the month in which service is rendered.

Luminaire Charges and Pole and Accessory Charges will be based on the ~~monthly~~ annual rates above ~~divided by 365 days to arrive at a daily rate and multiplied by the actual number of days in the billing period~~ as measured from the date of the prior bill to the current bill date.

Charges per kWh will be based on the annual kWh per luminaire above. The monthly kWh amount shall be determined by allocating the number of annual operating hours for streetlights among the months. The sum of the monthly kWh for each light equals the annual kWh in this tariff. A daily kWh amount is determined from the monthly amount by dividing

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monthly kWh by the number of days in a month. The daily kWh amount is multiplied by the actual number of days for each calendar month during the billing period as measured from the date of the prior bill to the current bill date and then multiplied by the charge per kWh.

#### Hours of Operation

*Full-Night Service:* All streetlights will be operated every night from approximately one-half hour after sunset until approximately one-half hour before sunrise, a total of approximately 4,175 hours each year.

*Part-Night Service:* All streetlights will be operated every night from approximately one-half hour after sunset then turning off at a time equal to one-half of the previous standard service period and, as necessary, from five and one-half hours later until approximately one-half hour before sunrise, a total of no greater than 2,448 hours each year.

#### Failure of Lights to Burn

Should any light fail to burn for the full period provided above, and failure is due to some cause of condition which might reasonably have been prevented by the Company, a deduction will be made from the luminaire price of such light, upon presentation of a claim from the Customer. The deduction shall be equivalent to such part of the annual price thereof as is equal to the ratio that the time of any outage bears to the annual burning time of such light or lights. The provisions of this paragraph do not apply when failure to burn is due to an act of God, or an act or order of any Public Authority or accidental or malicious breakage, provided, however, the necessary repairs are made with reasonable dispatch upon notification by the Customer.

#### Excessive Damage

Excessive damage to poles, lamps, fixtures, or conductors due to wanton or malicious acts will be charged to the Customer at the actual cost of labor and material required for repair or replace the unit. "Excessive damage" is defined as that which occurs more than once a year. Notification of excessive damage shall be made to the Customer by the Company prior to billing for repairs.

#### Terms of Service

The customer shall receive and pay for outdoor lighting service for an initial term of five years from the date of installation. Unless notice of termination is given, service shall be extended thereafter for terms of one year. Either the customer or the Company may terminate outdoor lighting service by giving the other written notice at least six months before expiration of a term.

#### Discontinuance of Lights

Upon expiration of the initial five year term, the Customer may discontinue lights by written notice to the Company. Such discontinuance is contingent upon the customer paying the

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undepreciated value of the light installation plus a removal charge of \$50 per light. Removal of such lights will be completed in a reasonable period as agreed upon.

Conversion of Existing Lights to Sodium Vapor or LED

*Public Street Lights*

1. Incandescent lights - To any municipality or other governmental agency so requesting, the Company will initiate a conversion schedule for the replacement of incandescent lights with an appropriate sodium vapor light or LED. The conversion will be completed in a period as agreed upon.
2. Mercury vapor lights - To any municipality or other governmental agency so requesting, the Company will initiate a conversion schedule for the replacement of mercury vapor lights with an appropriate sodium vapor light or LED upon payment of the undepreciated value of the existing light. This payment may be spread equally over the following twelve month period. The conversion will be completed in a period as agreed upon.
3. Sodium Vapor lights - To any municipality or other governmental agency so requesting, the Company will initiate a conversion schedule for the replacement of sodium vapor lights with an appropriate LED upon payment of the undepreciated value of the existing light. This payment may be spread equally over the following twelve month period. The conversion will be completed in a period as agreed upon.

| Public, Private, Street, or Outdoor Lights

Conversion of lights will be made as requested by the Customer and as agreed to by the Company, upon payment of the undepreciated value of the existing light and a \$50 per light conversion charge.

Energy Emergency Service

In the event of a generally recognized national and/or regional energy shortage or emergency, annual outdoor lighting may be disconnected upon written request of the Customer. In this event, a monthly charge will be billed at the rate of 80% of the normal charges for the duration of time the lighting service is disconnected.

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