



GREEN MOUNTAIN POWER
OUTDOOR LIGHTING RATE SCHEDULE
COMPANY DESIGNATION: 19

SECTION 1

AVAILABLE:

Throughout the Company's service territory on and after April 1, 2018.

APPLICABLE:

Street, area and flood lighting, traffic signal and specialty lighting equipment, energy and maintenance service is available within Green Mountain Power Corporation's ("GMP") service territory under this rate schedule for GMP-owned or Customer-owned equipment to any city, village, town, fire district, political subdivision, Customer association or individual Customer in accordance with the specifications hereinafter set forth.

SECTION 2

DURATION:

For traffic signal, street lighting and flood lighting, the term of service is one year from the date of installation and thereafter until cancelled by the Customer. GMP may allow earlier termination at its sole discretion upon a showing of extraordinary circumstances. For temporary, decorative holiday lighting, the term of service is the duration of the holiday season.

STREETLIGHT INSTALLATION:

GMP will furnish to the Customer, installation standards upon request for the type of lighting system proposed.



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INCOME TAX SURCHARGE:

All charges billed to the Customer for installation costs under this tariff will be increased by the current tax liability referenced in the line extension section of the tariff to cover the cost to GMP of federal and state income taxes payable on contributions-in-aid-of-construction. Customers who build their own lighting systems and then transfer ownership to GMP will be charged the income tax surcharge based upon the Customer's actual costs of building the system. The Customer will be responsible for providing GMP with documentation of their actual costs. If the Customer fails to provide actual cost data, GMP will assess the surcharge based upon GMP's estimated value of the lighting system.

ADJUSTMENT:

This tariff is subject to adjustment.

SECTION 3

A) GMP-OWNED EQUIPMENT ON GMP POLES:

In the case of lights owned by GMP and installed on GMP owned poles, GMP shall furnish, and maintain all poles, wires, lamps and other associated equipment and furnish energy at the rates set forth below. Reference to GMP-owned poles in this Rate 19 shall include poles solely and jointly owned.



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STREET AND AREA LIGHTS

Mercury Vapor*

<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>	<u>Sodium Vapor</u>	<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>
100	3,200	\$0.650		70	5,200	\$0.890
175	7,200	\$1.054		100	8,500	\$0.818
250	9,800	\$1.507		150	14,400	\$1.220
400	17,500	\$2.023		200	19,800	\$1.193
				250	24,700	\$1.778
				400	63,000	\$2.486

Metal Halide*

<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>
50	3,750	\$0.883
70	6,000	\$1.146
150	13,500	\$1.570
250	22,500	\$2.073
400	40,000	\$2.691

LED*

20 LED	2,530 Lumens	37 System Watts	\$0.540
30 LED	3,162 Lumens	50 System Watts	\$0.554
40 LED	5,050 Lumens	67 System Watts	\$0.674
50 LED	6,312 Lumens	92 System Watts	\$0.705
60 LED	7,000 Lumens	113 System Watts	\$1.012
80 LED	8,100 Lumens	140 System Watts	\$1.222



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FLOODLIGHTS

<u>Sodium Vapor</u>			<u>Mercury Vapor**</u>		
<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>	<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>
250	24,700	\$1.338	400	17,500	\$2.313
400	45,000	\$2.324	1000	40,000	\$3.751

<u>Metal Halide</u>			<u>LED</u>		
<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>	<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>
250	22,500	\$2.939	85	9,300	\$0.733
400	40,000	\$3.312	129	14,500	\$0.848

* LED number designations, Lumens and System Watts are approximations for differentiation.

** Not available for new installation. Failed/inoperative mercury vapor and metal halide street and area lights will be replaced by GMP with light emitting diode ("LED") lights and billed to the Customer at the charges for LED lights.

B) ORNAMENTAL LIGHTING AND POLES:

GMP shall own, supply and maintain all ornamental lighting and poles, with energy supplied by underground facilities at the rates set forth below. Installation of ornamental poles, luminaries and wires will be paid for by the Customer as a line extension under GMP's line extension tariff and Public Utility Commission ("PUC") Rule 5.600. The Customer will be required to purchase and install 2" Sch. 40 electrical grade EPVC conduit and install pre-cast concrete bases for mounting the light poles. Customers should contact GMP's engineering department for details and assistance.



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Mercury Vapor – Town & Country*

<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>
100	3,200	\$0.693

LED – Town & Country

<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>
19	1,340	\$0.741

Sodium Vapor – Contemporary

<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>
70	5,200	\$2.997
150	14,400	\$3.202

Sodium Vapor

	<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>
Road Cut-Off	70	5,200	\$0.890
Road Cut-Off	150	14,400	\$1.220

Metal Halide

	<u>Watts</u>	<u>Lumens</u>	<u>Price/day</u>
	50	2,200	\$1.072
	70	4,365	\$1.086
	150	11,000	\$1.417



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LED**

	<u>Lumens</u>	<u>Watts</u>	<u>Price/day</u>
20 LED	2,530 Lumens	37 System Watts	\$0.590
20 LED	3,162 Lumens	50 System Watts	\$0.621
40 LED	5,050 Lumens	67 System Watts	\$0.758
40 LED	6,312 Lumens	92 System Watts	\$0.830
60 LED	7,000 Lumens	113 System Watts	\$1.012
80 LED	8,100 Lumens	140 System Watts	\$1.222

* Not available for new installation. Failed Mercury Vapor Town and Country lights will be replaced with LED lights at the rates set forth above.

** LED designations, Lumens and Watts are approximations for differentiation.

C) CUSTOMER-OWNED LIGHTS ON GMP-OWNED POLES:

Customers may purchase from outside vendors and own all lighting equipment necessary for a lighting system, including luminaries, arms, brackets, photo cells, bulbs and other associated equipment necessary to provide street and area lighting in compliance with GMP's standards with specifications subject to GMP's prior approval. GMP or GMP designated contractors shall install Customer owned lighting systems on GMP owned poles at the Customer's expense.

GMP shall maintain all streetlight systems on all GMP owned poles as set forth in Section 4 below. The charge for the rental of poles for Customer owned lights on GMP's poles is \$4.00 per quarter per pole or such other rate from time to time in effect for Other Attachees under GMP's tariff, Rules and Regulations for Pole Attachment Service and PUC Rule 3.700. GMP shall own and maintain all poles, wires and other equipment and apparatus necessary for supplying secondary voltage to Customer owned lighting systems on GMP owned poles.



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D) CUSTOMER OWNED LIGHTS ON CUSTOMER OWNED POLES:

On Customer owned poles, 1) the Customer may furnish and install all poles and associated equipment either overhead or underground, if in compliance with GMP standards with specifications subject to GMP's prior approval or 2) at the Customer's request, GMP will install, in compliance with GMP standards, all poles and associated equipment based on a time and material bid price. The Customer shall have the choice of maintaining the streetlight system or having GMP provide maintenance as set forth in Section 4 of this tariff. The Customer will be required to own and maintain all equipment on the Customer's side of the meter.

E) SYSTEM CONVERSIONS FROM AN EXISTING LIGHTING SYSTEM TO AN ALTERNATIVE LIGHTING SYSTEM:

GMP will have the right to require those Customers wishing to modify an existing lighting system to reimburse GMP for the undepreciated cost of the existing lights plus all costs, including make-ready costs, of making the conversion not recovered in the monthly charge for alternative lights.

SECTION 4

MAINTENANCE SERVICE TO CUSTOMER-OWNED LIGHTING SYSTEMS:

GMP will provide maintenance service described below for Customer-owned lighting systems on GMP poles and for Customer owned lighting systems on Customer owned poles where so chosen by the Customer as provided in paragraph D above 1) for a fixed monthly fee of \$5.47 per month per lamp, regardless of size or 2) on an actual time and materials basis, at the Customer's option. Maintenance service for limited access highway lighting and the associated access and exit ramps is subject to the regular monthly maintenance charge of \$5.47 plus a monthly maintenance surcharge of \$4.44



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per light per month to cover GMP's additional costs of performing routine maintenance on limited access highways.

Maintenance of the luminaire shall include replacement, as necessary, of the lamp, and photoelectric control. GMP will supply the materials as part of the monthly maintenance fee as long as they are GMP stock items. For non-standard GMP fixtures, the Customer must provide and maintain a spare parts inventory. Maintenance services will not include painting or other maintenance services for Customer-owned ornamental poles.

If the luminaire, poles or other equipment must be replaced as a result of vandalism, accident or any other cause, the Customer shall pay to GMP the cost of removal of the existing equipment and the cost of the new equipment including installation costs. The Customer shall also pay for actual costs of any materials and labor necessary for maintenance and repairs above and beyond lamp and photo cell maintenance described in the preceding paragraphs including repairs and/or for the replacement of any physically damaged lighting equipment, regardless of the cause, nature or extent of physical damage.

GMP will perform maintenance and lamp replacement during normal working hours.

SECTION 5

HOURS OF OPERATION:

Street, area and floodlights, which are photo-cell controlled, shall be operated each and every night from one-half hour after sunset until one-half hour before sunrise, a total of approximately 4,380 hours each year.

ENERGY SERVICE TO CUSTOMER-OWNED LIGHTING SYSTEMS:

GMP will supply unmetered electric energy for Customer-owned outdoor photovoltaic



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cell controlled lighting equipment totaling approximately 4380 hours of operation per year for Customer-owned lighting at the rates set forth below. The annual kWh consumption shall be determined by GMP based upon the total nominal wattage of the equipment, multiplied by the average number of hours of operation each month. The rates specified below for photo-cell controlled lighting equipment are based on average daily operation of approximately 12 hours. Each daily rate shall be calculated to include \$0.145/day plus the average kWh use per day multiplied by \$0.10087/kWh.

No billing adjustments will be made for individual service outages. For lighting systems maintained by the Customer it is the Customer's responsibility to provide proper and timely maintenance to equipment to minimize outage time. If GMP is providing maintenance, it is the Customer's responsibility to notify GMP immediately of any failure of lights to operate.



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ENERGY SERVICE DAILY RATES

PRICE PER LAMP OR HOLIDAY INSTALLATION

Lamp or Holiday

Installation Nominal

Power Rating

(Watts)	Daily Rate
60	\$0.255
70	\$0.267
100	\$0.301
150	\$0.366
175	\$0.396
200	\$0.426
250	\$0.486
400	\$0.667
1000	\$1.394

The above rates include ballast wattage of 30 watts in addition to the bulb wattage.

Daily LED Energy Only Rates to Customer Owned Lighting Systems*:

20 LEDs	37 System Watts	\$0.191
30 LEDs	52 System Watts	\$0.209
40 LEDs	67 System Watts	\$0.227
50 LEDs	89 System Watts	\$0.255
60 LEDs	104 System Watts	\$0.271

* LED number designations and System Watts are approximations for differentiation.



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Pole Rental fee for Customer Owned Lights on GMP poles:

\$4 per quarter per light; Billed quarterly based on GMP's \$16 annual rate under its Tariff, Rules and Regulations for Pole Attachment Service and PUC Rule 3.700 to reflect each light in service at the end of the quarter. The charge will be adjusted as required to reflect the rate from time to time in effect for Other Attachees under said Tariff.