
**INCANDESCENT STREET LIGHTING FULL REQUIREMENTS OR RETAIL ACCESS
RATE Ms1**

Availability:

To governmental units contracting for incandescent street lighting full requirements or retail access service at primary voltage for the illumination of public thoroughfares, for park and playground purposes, and for pumping water and sewage. This rate is closed to new customers. Full requirements service means the provision of retail regulated electric service including generation, transmission, distribution and ancillary services all provided by the Company.

Rate:

Power Supply Charges: These charges are applicable to Full Requirements service.
\$0.07296 per kWh

Renewable Energy Surcharge: *Subject to the Renewable Energy Surcharge shown on Sheet No. D-5.03.*
Subject to power supply cost recovery factor. Applies to all Power Supply charges. See Sheet No. D-3.00.

Delivery Charges: These charges are applicable to Full Requirements and Retail Access service.

Facilities Charge: per day per standard meter or service connection

\$0.49315 single-phase

\$0.96986 three-phase

Distribution Charge: \$0.03890 per kWh

Excess Meter Charge: per day per standard meter in excess of one

\$0.03288

Energy Optimization Surcharge: *Subject to the Energy Optimization Surcharge shown on Sheet No. D-5.01.*

Minimum Charge: The annual minimum charge shall be \$150.00.

Late Payment Charge: A 1.5% per month late payment charge will be applied to outstanding charges past due.

Retail Access Option:

Customers who meet the availability requirements of the Ms1 rate schedule may contract for retail access service. Retail access customers shall pay the above applicable Delivery Charges, Minimum Charge, and Late Payment Charge. Additionally, there is a \$2.79452 per day charge for an interval demand meter or service connection if applicable. Customers taking retail access service are also subject to the Terms and Conditions contained in the Retail Access Service tariff rate schedule RAS-1, Section E.

Conditions of Delivery:

1. General
 - a. This rate is available only in those communities where the Company has a general distribution system installed for light and power service.
 - b. Energy sold under this rate shall not be used for purposes other than those specified hereunder and shall not be resold except as provided in the Electric Service Rules and Regulations of the Company.
 - c. Electric service will not be furnished hereunder for breakdown or standby purposes where another source of power is available to the customer.
 - d. Line extensions shall be in accordance with the extension rules in the Electric Service Rules and Regulations of the Company.
2. Customer-owned Street Lighting Systems
 - a. The Company will deliver single-phase or three-phase, 60 hertz service to customer-owned street lighting systems at a primary voltage level as specified by the Company but in no case less than approximately 2400 volts.
 - b. The Company will furnish energy hereunder at primary voltage for the operation of a standard street lighting system owned, operated and adequately maintained by the customer. Customer to provide all facilities necessary for utilizing service at primary voltage except metering.

(Continued on Sheet No. D-36.00)

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R.A. Draba
Vice-President,
Milwaukee, Wisconsin

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**INCANDESCENT STREET LIGHTING FULL REQUIREMENTS OR RETAIL ACCESS
RATE Ms1
(Continued from Sheet No. D-35.00)**

Conditions of Delivery (Contd): **These Conditions are valid for Rates Ms1 and Ms1-C**

2. Customer-owned Street Lighting Systems (Cont.)
 - c. Customer-owned systems shall be designed and operated to provide an average power factor of not less than 85% at the point where energy is delivered.
 - d. This rate contemplates lamps being lighted from approximately 30 minutes after sunset to 30 minutes before sunrise providing dusk-to-dawn operation of approximately 4,200 hours per year. The control of customer-owned lamps shall be the responsibility of the customer.
 - e. The amount of energy furnished shall generally be determined by means of meters installed on the primary side of constant-current transformers serving series street lighting circuits or on the secondary side of constant-current transformers serving series multiple circuits. In the latter case, meter registration shall be increased by 3% to compensate for transformer losses. Where more than one meter is used to measure energy, the monthly readings of all meters serving lighting units located in the same or contiguous areas may be added for billing purposes.
3. Public Park and Playground Purposes, Water and Sewage Pumping Systems
 - a. A customer using street lighting service hereunder may purchase energy at three-phase or single-phase primary voltage at the energy charge set forth for rate schedule Ms 1 for public park and playground purposes and for pumping water and sewage. This service for pumping water and sewage is not available to a successor customer or a new installation after June 29, 1983.
 - b. If changes in Company service facilities make it necessary to place Company facilities on private property, the customer shall furnish adequate written easements without expense to the Company.
 - c. Pumping service will be furnished at a primary voltage level as specified by the Company but in no case at a voltage lower than approximately 2,400 volts. The customer shall furnish the necessary substation, including all transformation, switching and protective equipment required to utilize this service. The construction of such substation shall be in accordance with the Electric Service Rules and Regulations of the Company.
 - d. Pumping operations are permitted because such pumping operations naturally fit into or may be made to coincide without inconvenience with the Company's off-peak hours. The Company may require the customer to install approved limiting devices to limit the use of service at any or all of its pumping stations to off-peak hours. These limiting devices shall be of a type which will permit the use of service during emergencies such as in the event of fire or broken mains.
 - e. Pumping service shall be available for periods of one year or longer, but only for periods during which the customer receives street lighting service.
 - f. The Company may provide for the measurement of energy on the secondary side of the customer's transformers and add 3% to the registration of the meters to compensate for transformer losses.
 - g. For billing purposes, the energy used for park and playground purposes and for pumping water and sewage shall be added to that delivered to the customer for street lighting purposes.
4. Company-owned Street Lighting Systems
 - a. The Company will only service existing incandescent lighting units supplied from overhead circuits, under existing contracts. Efficient street lighting units of a type in general use will be used. Such units will be supported by brackets attached to wood poles or other Company structures. Energy for Company-owned incandescent lighting units may be furnished at voltages selected by the Company by means of overhead series circuits or, at the option of the Company, multiple circuits may be used.
 - b. The customer shall grant the Company easements to place its street lighting equipment on highways, public streets or alleys. If special conditions make it necessary to place any street lighting facilities on private property, the customer shall furnish adequate written easements without expense to the Company.
 - c. Contracts for incandescent street lighting service are for a term of ten years. After the expiration of such term, contracts may continue in force until terminated by either party on one year's prior written notice to the other.

(Continued to Sheet No. D-36.01)

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RATE Ms1
(Continued from Sheet No. D-36.00)

Conditions of Delivery (Contd):

4. Company-owned Street Lighting Systems (*Cont.*)
 - d. This rate contemplates lamps being lighted every night from approximately 30 minutes after sunset to 30 minutes before sunrise, providing dusk-to-dawn operation of approximately 4,200 hours per year. The Company will provide suitable controls for Company-owned lamps. The Company will use reasonable diligence in keeping lamps burning during normal lighting periods.
 - e. The amount of energy furnished shall generally be determined by means of meters installed on the primary side of constant-current transformers serving series street lighting circuits or on the secondary side of constant-voltage transformers serving multiple circuits. In the latter case, meter registration shall be increased by 3% to compensate for transformer losses. Where more than one meter is used to measure energy, the monthly readings of all meters serving lighting units located in the same or contiguous areas may be added for billing purposes.
 - f. Where the installation of metering equipment is impractical, the Company may determine the amount of energy used during any month by multiplying the rated kilowatt capacity of all lamps and auxiliary equipment, plus 5% for losses, by 350 hours for the month.

5. *In addition to the Conditions of Delivery noted, retail access service customers are also subject to the Terms and Conditions contained in the Retail Access Service tariff, Section E.*

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