

## Special Conditions for Commercial & Industrial Rates

(continued)

**Determination of Maximum measured Demand for Cp-1, Cp-2, Cp-3, & Cp-4:** The Maximum Measured Demand in any month shall be that demand in kilowatts necessary to supply the average kilowatts in 15 consecutive minutes of greatest consumption of electricity during each month.

**Power Factor Clause for Cp-2, Cp-3, & Cp-4:** Reactive meters shall be read monthly to calculate the customer's Average Power Factor (PF). The PF is calculated as follows:

$$\text{Average Monthly Power Factor} = \frac{\text{kWh}}{\sqrt{\text{kWh}^2 + \text{kVARh}^2}}$$

If the customer's PF is above 90%, a credit of 0.2% of the net bill (before discounts are applied), shall be applied for every whole percent that the customer's PF exceeds 90%. If the customer's PF is lower than 90%, a charge of 0.3% of the net bill (before discounts are applied), shall be given for every whole percent that the customer's PF is below 90%.

## Security Lighting Service

**Application:** This rate will be applied for illumination of private or public property.

### Customer Charge:

Lumens	Wattage	Lamp Type	Per Lamp
32,000	400	Metal Halide (Flood)	\$11.90
90,000	1,000	Metal Halide (Flood)	\$ 15.45
9,500	100	HPS (Overhead)	\$ 8.20
9,500	100	HPS (Underground)	\$ 9.20
22,000	200	HPS (Overhead)	\$ 9.20
22,000	200	HPS (Underground)	\$ 9.70
27,000	250	HPS (Overhead)	\$10.15
50,000	400	HPS (Flood)	\$11.45

HPS=High Pressure Sodium

**Energy Charge:** \$0.0424 per kWh plus PCAC\*.

## Fire Protection Rates

### Public Fire Protection Monthly Service Charges Fd-1

Meter Size	Charges
5/8 inch meter	\$2.80
3/4 inch meter	\$2.80
1 inch meter	\$6.91
1-1/4 inch meter	\$10.26
1-1/2 inch meter	\$13.87
2 inch meter	\$22.22
3 inch meter	\$41.63
4 inch meter	\$69.10
6 inch meter	\$139.32
8 inch meter	\$221.59
10 inch meter	\$333.48
12 inch meter	\$444.27

### Private Fire Protection\* Monthly Demand Charges Upf-1

Connection Size	Charges
1-1/2 inch	\$3.75
2 inch	\$5.10
3 inch	\$9.60
4 inch	\$16.00
6 inch	\$32.00
8 inch	\$51.00
10 inch	\$76.00
12 inch	\$111.00

\*For special fire protection services.

### Billing

Bills for electric and water service are rendered monthly and become due and payable upon issuance following the period for which service is rendered. A late payment charge of 1% per month will be added to bills not paid within 20 days of issuance. This late payment charge will be applied to the total unpaid balance for utility service, including unpaid late payment charges. The late payment charge is applicable to all customers. The utility customer may be given a written notice that the bill is overdue no sooner than 20 days after the bill is issued. Unless payment or satisfactory arrangement for payment is made within the next ten days, service may be disconnected pursuant to Wis. Admin. Code ch. PSC 185 and PSC 113.

## Water Rates

### General Monthly Water Service Charges Mg-1

Meter Size	Charges
5/8 inch meter	\$3.62
3/4 inch meter	\$3.62
1 inch meter	\$5.49
1-1/2 inch meter	\$8.94
2 inch meter	\$13.54
3 inch meter	\$19.75
4 inch meter	\$31.82
6 inch meter	\$64.73
8 inch meter	\$107.50
10 inch meter	\$159.06
12 inch meter	\$208.42

### Water Volume Charges

(1 cubic foot = 7.48 gallons)

Cubic Feet used each month	Charges Per 100 Cubic Feet
First 3,000	\$1.21
Next 97,000	\$0.91
Next 900,000	\$0.77
Over 1,000,000	\$0.67

**If you have questions about our water or electric rates, please call us at 683-4600.**

## Manitowoc Public Utilities



MANITOWOC PUBLIC UTILITIES

1303 South 8th Street  
P. O. Box 1090  
Manitowoc, WI 54221-1090  
683-4600  
www.mpu.org



MANITOWOC PUBLIC UTILITIES

# Residential, Commercial & Industrial Electric & Water Rates

Bills Payable At:

MPU Office—1303 South 8th Street

City Treasurer's Office—City Hall  
900 Quay Street

By Mail—P. O. Box 1087  
Manitowoc, WI 54221-1087

**Current Rates as of  
April 1, 2006**

# Electric Rates

## Residential Service Rg-1

**Application:** This rate will be applied to residential single-phase customers for ordinary household purposes. Single-phase motors may not exceed five horsepower individual-rated capacity without utility permission.

**Customer Charge:** \$ 7.00 per month

**Energy Charge:** \$0.0904 per kilowatt-hour (kWh) plus PCAC\*.

**Minimum Monthly Bill:** The minimum monthly bill will be the customer charge of \$7.00.

## Residential Service Rg-2

This experimental optional time-of-day service is limited to 25 residential service customers. Contact the MPU office for rates and availability.

## General Service GS-1

**Application:** This rate will be applied to single- and three-phase customers. This includes commercial, institutional, government, farm, and other customers. The monthly Maximum Measured Demand of customers served on this rate shall not exceed 100 kilowatts for three or more months in a consecutive 12-month period.

**Customer Charge:**

Single-Phase Service: \$ 7.00 per month

Three-Phase Service: \$ 14.00 per month

**Energy Charge:** \$0.0904 per kWh plus PCAC\*.

**Minimum Monthly Bill:** The minimum monthly bill will be the customer charge.

## \*Power Cost Adjustment Clause (PCAC)

All metered rates shall be subject to a positive or negative power cost adjustment charge equivalent to the amount by which the three-month average cost of power (per kilowatt-hour of sales) is greater or lesser than the base cost of power purchased and produced (per kilowatt-hour of sales).

## Small Power Service Cp-1

**Application:** This rate will be applied to customers for all types of service, if their Monthly Maximum Demand is in excess of 100 kilowatts (kW) per month for three or more months in a consecutive 12-month period, unless the customer exceeds the application conditions of another power time-of-day rate schedule.

**Customer Charge:** \$ 50.00 per month

**Demand Charge:** \$8.00 per kW of billed demand.

**Energy Charge:** \$0.0511 per kWh plus PCAC\*.

**Minimum Monthly Bill:** The minimum monthly bill shall be equal to the customer charge, plus \$1.50 per kW of the highest monthly Maximum Measured Demand occurring in the current month or preceding 11-month period.

## Intermediate Power Time of Day Service Cp-2

**Application:** This rate will be applied to customers for all types of service, if their Monthly Maximum Demand is in excess of 200 kilowatts (kW) per month for three or more months in a consecutive 12-month period, but not greater than 500 kW per month for three or more months during that same time period.

**Customer Charge:** \$100.00 per month

**Distribution Demand Charge:** \$1.50 per kW of the highest monthly Maximum Demand occurring in the current month or preceding 11-month period.

**Demand Charge:** \$7.75 per kW of on-peak billed demand.

**Energy Charge:** On-Peak: \$0.0521 per kWh plus PCAC\*.

Off-Peak: \$0.0357 per kWh plus PCAC\*.

**Minimum Monthly Bill:** The minimum monthly bill shall be equal to the customer charge, plus distribution demand charge.

## Large Power Time of Day Service Cp-3

**Application:** This rate will be applied to customers for all types of service, if their Monthly Maximum Demand is in excess of 500 but less than 5,000 kilowatts (kW) per month for three or more months in a consecutive 12-month period.

**Customer Charge:**

For Services < 6,000 Volts \$250.00 per month

For Services > 6,000 Volts \$300.00 per month

**Distribution Demand Charge:** \$1.50 per kW of the highest monthly Maximum Demand occurring in the current month or preceding 11-month period.

**Demand Charge:** \$8.00 per kW of on-peak billed demand.

**Energy Charge:** On-Peak: \$0.0466 per kWh plus PCAC\*.

Off-Peak: \$0.0302 per kWh plus PCAC\*.

## Industrial Power Time of Day Service Cp-4

**Application:** This rate will be applied to customers for all types of service, if their Monthly Maximum Demand is in excess of 5,000 kilowatts (kW) per month for three or more months in a consecutive 12-month period.

**Customer Charge:**

For Services < 6,000 Volts \$250.00 per month

For Services > 6,000 Volts \$300.00 per month

**Distribution Demand Charge:** \$1.00 per kW of the highest monthly Maximum Demand occurring in the current month or preceding 11-month period.

**Demand Charge:** \$8.25 per kW of on-peak billed demand.

**Energy Charge:** On-Peak: \$0.0462 per kWh plus PCAC\*.

Off-Peak: \$0.0298 per kWh plus PCAC\*.

## Special Conditions for Commercial & Industrial Rates

### Pricing Periods for Time-of-Day Rates

**On-Peak:**

Winter: October—May 7:00 a.m. to 9:00 p.m.

Summer: June—September 7:00 a.m. to 6:00 p.m.  
Monday-Friday, excluding Holidays specified below.

**Off-Peak:** All times not specified as on-peak, including all day Saturday and Sunday, and the following Holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, the Friday after Thanksgiving, the day before Christmas, Christmas Day, and the day before New Year's Day; or the day nationally designated to be celebrated as such.

### Discounts Applied to Cp-1, Cp-2, Cp-3, & Cp-4 Rates:

The monthly bill for service will be subject to the following discounts applied in the sequence listed below:

**Primary Metering Discount:** Customers metered on the primary side of the transformer shall be given a 1.25% discount on the monthly energy charge, distribution demand charge, and demand charge. The PCAC and the monthly customer charge will not be eligible for the primary metering discount.

**Transformer Ownership Discount:** Customers who own and maintain their own transformers or substations shall be given a credit of \$0.20 per kW of distribution demand. Customer-owned substation equipment shall be operated and maintained by the customer. Support and substation equipment is subject to utility inspection and approval.

**Telephone Remote Reading Discount Cp-2, Cp-3, and Cp-4 Only:** Customers who provide the utility with a dedicated telephone line to the metering location(s) for the purpose of remote meter reading shall be given a credit of \$10.00 per metered location.