

ELECTRIC SERVICE RATES

The following electric service rates are **effective January 1, 2021**. The energy rates, before other adjustments, will be decreased or increased for the changes in the cost of electric energy (power cost adjustment) purchased by Brainerd Public Utilities (BPU) during the month. The rates are also subject to MN sales tax and local sales tax, except where exempt by governmental authority.

<u>Class</u>	<u>kW Load</u>	<u>Rate Code</u>	<u>Rate Component</u>	<u>Rate</u>
Residential		1,3	Monthly Charge All kWh	\$ 16.25 0.0858
Commercial Service - 1 phase	<15	5,11,14	Monthly Charge All kWh	\$ 24.25 0.1030
Commercial Service- 3 phase	<15	8,12	Monthly Charge All kWh	\$ 29.25 0.1030
Small General Service - 1 phase	15 to <100	40	Monthly Charge 0 - 2,500 kWh excess kWh 0 - 8 kW excess kW	\$ 45.00 0.0891 0.0791 3.00 8.00
Small General Service - 3 phase	15 to <100	42,53,ECH	Monthly Charge 0 - 2,500 kWh excess kWh 0 - 8 kW excess kW	\$ 55.00 0.0891 0.0791 3.00 8.00
Medium General Service - 3 phase	100 to <1,000	44,51	Monthly Charge All kWh All kW	\$ 75.00 0.0550 15.50
If service is primary metered a 3% discount will be applied to energy and demand rates				
Large General Service - 3 phase	1,000 to <2,500	46	Monthly Charge All kWh All kW	\$ 120.00 0.0546 13.75
Large Power	>2,500	47	Monthly Charge All kWh All kW	\$ 120.00 0.0852 12.75
Dual Fuel-Space Htg		DF,DFC,DFH	Monthly Charge All kWh	\$ 6.50 0.0593
Off Peak Energy		OP,OPH	Monthly Charge All kWh	\$ 6.50 0.0600

ELECTRIC RATES – RESIDENTIAL

Each customer will also pay a power cost adjustment (PCA) each month based on the kWh that is used. The PCA is based on BPU's cost of power purchased wholesale from American Energy Partners, Inc.

The monthly service charge applies to all rate classifications, regardless of usage on meter.

Residential Service

Service Charge	\$16.25	Monthly
Energy Charge	\$0.0858	All kWh

The residential electric rate is available to single phase residential customers that are served through one meter at a voltage of 120/240 volts. Each apartment or dwelling unit shall be considered a single private residence.

Dual Fuel

Service Charge	\$6.50	Monthly
Energy Charge	\$0.0593	All kWh

A dual fuel system uses two independent heating systems to heat your home. BPU dual fuel customers use electricity as the primary source of heat. Propane, fuel oil, or natural gas can be used as the back-up heat source. The back-up heat source must be automatic and of adequate size to heat your home during peak interruptions. For example, an electric heat source, such as a plenum heater, with fuel oil, propane, natural gas or electric storage heat as the back-up heating system would qualify.

This program is available to customers who already have an electric service. This rate is interruptible up to 400 hours per season and will be remotely controlled by BPU to prevent excessive peak usage. The space heating load will be separately metered and may be interruptible at any time. This type of service is single phase or three phase, 60 hertz, at available secondary voltage.

Off-Peak

Service Charge	\$6.50	Monthly
Energy Charge	\$0.0600	All kWh

This program is available to customers who already have an electric service. This rate is for interruptible service to energy loads, which are remotely controlled by BPU. This space heating load will be separately metered. Service under this schedule will be available for approximately eight (8) hours per day, normally 11:00 p.m. to 7:00 a.m. or as established by BPU. This type of service is single phase or three phase, 60 hertz, at available secondary voltage.

Off-Peak Heating

An off-peak heating customer uses electricity as their primary source of heat. An off-peak heating system utilizes a thermal (heat) storage system that heats up during off peak times, typically 11:00 p.m. to 7:00 a.m. In-floor electric mats, electric boilers for in floor hot water heat, and brick storage units are all examples of storage heat system. The heat is then released into your house the following day to provide 100% of your heating as needed.

Off-Peak Electric Hot Water Storage

An off-peak water heating customer is required to have a 120 gallon or larger, UL approved, water heater installed. The water heater storage system heats water during off peak times, typically 11:00 p.m. to 7:00 a.m. The heated water can then be used anytime during the day.

ELECTRIC RATES – COMMERCIAL

Each customer will pay a power cost adjustment (PCA) each month based on the kWh that is used. The PCA is based on BPU's cost of power purchased wholesale from American Energy Partners, Inc.

The monthly service charge applies for all rate classifications, regardless of usage on meter. To qualify as a small, medium, or large general service customer, the rate is based on the three highest monthly demands (kW) in a 12 month period. The customer will remain at this rate for the next 12 months. The customer's demand (kW) will be reviewed on a yearly basis.

Commercial Service – Single Phase - < 15 kW

Service Charge	\$24.25	Monthly
Energy Charge	\$0.1030	All kWh

Commercial Service – Three Phase - < 15kW

Service Charge	\$29.25	Monthly
Energy Charge	\$0.1030	All kWh

The Commercial Service Rate applies to commercial customers, for a single or three phase electric service supplied through one meter at the secondary voltage available at the customer's location. Customers whose demand (kW) is less than 15 kW will be charged this rate.

Small General Service – Single Phase – 15 to <100 kW

Service Charge	\$45.00	Monthly
Energy Charge	\$0.0891	0 - 2,500 kWh
	\$0.0791	Excess kWh
Demand Charge	\$3.00	0 - 8 kW
	\$8.00	Excess kWh

Small General Service – Three Phase – 15 to <100 kW

Service Charge	\$55.00	Monthly
Energy Charge	\$0.0891	0 - 2,500 kWh
	\$0.0791	Excess kWh
Demand Charge	\$3.00	0 - 8 kW
	\$8.00	Excess kWh

The Small General Service Rate applies to commercial customers whose demand (kW) is 15 to <100 for a single or three-phase electric service supplied through one meter at the secondary voltage available at the customer's location.

Medium General Service – Three Phase – 100 to <1,000 kW

Service Charge	\$75.00	Monthly
Energy Charge	\$0.0550	All kWh
Demand Charge	\$15.50	All kW

The Medium General Service Rate applies to commercial customers whose demand (kW) is 100 to <1,000 for a single or three-phase electric service supplied through one meter at the secondary voltage available at the customer's location. If the service is primary metered a 3% discount will be applied to the energy and demand rates.

Large General Service - 1,000 – to <2,500 kW

Service Charge	\$120.00	Monthly
Energy Charge	\$0.0546	All kWh
Demand Charge	\$13.75	All kW

Large Power - >2,500 kW

Service Charge	\$120.00	Monthly
Energy Charge	\$0.0852	All kWh
Demand Charge	\$12.75	All kW

Type of Service

Service will be alternating current; 60 hertz; under one of the following classifications

- Secondary Voltage – Single or three phase, 600 volts or less
- Primary Voltage – Three phase, 4,160 volts to 34,500 volts, supplied from BPU

Service voltage available in any given case is dependent upon voltage and capacity of existing lines in vicinity of customer's premises. Service is in accordance with BPU Electric Service Regulations and any applicable riders.

Billing Demand

Billing Demand is the kW measured during the 15-minute period of customer's greatest use during the month, as adjusted for the power factor. When customer's average monthly power factor is less than 85 percent lagging, the maximum measured demand will be adjusted by multiplying 85 percent and dividing by the average monthly power factor in percent. The average monthly power factor will be computed by the formula, average monthly power factor equal $(100 \cdot kWh) / \sqrt{(kWh^2 + kVarh^2)}$.

Economic Development

The Economic Development Rate (EDR) is offered for new load generated by Small, Medium, and Large General Service electric customers. The following table shows the discount rate over a five (5) year period.

Year	SGS	MGS LGS LP
1	21%	13%
2	17%	11%
3	13%	9%
4	9%	7%
5	5%	5%

All the components of the electric charges will be calculated using the current electric service rates to get the gross electric charges. The EDR discount rate is then applied to the gross electric charges and will show as a credit on the customer's utility bill. Each year on the anniversary of the customer's service start date the EDR discount rate will decrease and at the end of five (5) years, the EDR discount rate will cease.

Dual Fuel

Service Charge	\$6.50	Monthly
Energy Charge	\$0.0593	All kWh

A dual fuel system uses two independent heating systems to heat your business. BPU dual fuel customers use electricity as the primary source of heat. Propane, fuel oil, or natural gas can be used as the back-up heat source. The back-up heat source must be automatic and of adequate size to heat your business during peak interruptions. For example, an electric heat source, such as a plenum heater, with fuel oil, propane, natural gas or electric storage heat as the back-up heating system would qualify.

This program is available to customers who already have an electric service. This rate is interruptible up to 400 hours per season and will be remotely controlled by BPU to prevent excessive peak usage. The space heating load will be separately metered and may be interruptible at any time. This type of service is single phase or three phase, 60 hertz, at available secondary voltage.

Off-Peak

Service Charge	\$6.50	Monthly
Energy Charge	\$0.0600	All kWh

This program is available to customers receiving electric service along with another electric rate schedule. This rate is for interruptible service to energy loads, which are remotely controlled by BPU. This space heating load will be separately metered. Service under this schedule will be available for approximately eight (8) hours per day, normally 11:00 p.m. to 7:00 a.m. or as established by BPU. This type of service is single phase or three phase, 60 hertz, at available secondary voltage.

Off-Peak Heating

An off-peak heating customer uses electricity as their primary source of heat. An off-peak heating system utilizes a thermal (heat) storage system that heats up during off peak times, typically 11:00 p.m. to 7:00 a.m. In-floor electric mats, electric boilers for in floor hot water heat, and brick storage units are all examples of storage heat system. The heat is then released into your business the following day to provide 100% of your heating as needed

Off-Peak Electric Hot Water Storage

An off-peak water heating customer is required to have a 120 gallon or larger, UL approved, water heater installed. The water heater storage system heats water during off peak times, typically 11:00 p.m. to 7:00 a.m. The heated water can then be used anytime during the day.

Security Lights

BPU offers a security lighting program. The security lighting is available to both residential and commercial customers. BPU maintains the security light. This service is offered for a monthly fee of \$12.00 (+tax) per security light. A Security Light Agreement has to be signed before a light can be installed.

Distributed Generation

Please go to BPU's website, www.bpu.org, for further information on distributed generation.