

**BOARD OF PUBLIC UTILITIES, CITY OF McPHERSON, KANSAS**  
**Electric Service Schedule**

**RED-22: Residential Electric Demand**

Sheet 1 of 5

**Availability:**

Available in the general service area served by the McPherson BPU electric utility and in accordance with the Board's General Terms and Conditions for providing electric service.

**Application:**

For electric service supplied to a location with a residence to one (1) customer through one (1) metering point for domestic, farm, and other purposes, with or without distributed generation not connected parallel to the system. Qualifying establishments do not include campers or other temporary living quarters. Service is for exclusive use of customer and is not to be resold or shared with others. Residential customers with distributed generation not connected parallel to the system must participate in this rate.

**Character of Service:**

Alternating current, approximately sixty (60) cycles, and at voltage, phase, and capacity the McPherson BPU has available.

**Monthly Charges:**

**RED-22 Standard:**

- |                            |  |
|----------------------------|--|
| Service Charge:            | \$15.00 per month, for availability of service   |
| Energy Delivered Charge:   | \$0.0220 per kWh for all monthly netted kWh delivered  |
| Energy Received Credit:    | \$0.0200 per kWh for all monthly netted kWh delivered from customer to BPU. This energy will be subject to the Energy Adder. |
| Demand Charge:             | \$4.35 per kVA for all kVA billing capacity  |
| Energy Adder Adjustment:   | Energy Adder Adjustment multiplied by monthly netted kWh usage   |
| Purchased Capacity Charge: | Purchased Capacity Charge multiplied by the billing capacity   |
| Transmission Charge:       | Transmission Charge multiplied by the billing capacity   |
| City Transfer Charge:      | City Transfer Charge multiplied by monthly netted kWh usage  |

**RED-22 Optional Time-of-Use Demand:**

- |                 |  |
|-----------------|--|
| Service Charge: | \$20.00 per month, for availability of service |
|-----------------|--|

Approved: April 25, 2022

Effective: June 1, 2022

Rodger A. Swanson, Chairman, McPherson BPU

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Sheet 2 of 5

Energy Delivered Charge:	\$0.0220 per kWh for all monthly netted kWh delivered
Energy Received Credit:	\$0.0200 per kWh for all monthly netted kWh delivered from customer to BPU. This energy will be subject to the Energy Adder Adjustment.
Demand Charge:	\$4.35 per kVA for all kVA Billing Capacity, On-Peak and Off-Peak
Purchased Capacity Charge:	
On-Peak:	Purchased Capacity Charge multiplied by the On-Peak Billing Capacity
Off-Peak:	Purchased Capacity Charge is zero.
Transmission Charge:	
On-Peak:	Transmission Charge multiplied by the On-Peak Billing Capacity
Off-Peak:	Transmission Charge is zero.
Energy Adder Adjustment:	Energy Adder Adjustment multiplied by monthly netted kWh usage
City Transfer Charge:	City Transfer Charge multiplied by monthly netted kWh usage.

**Energy Adder Adjustment:**

The above energy charge is based on net bus bar energy charges of \$0.02000 incurred by the McPherson BPU, exclusive of any Billing Capacity charges.

The energy charges listed above will increase or decrease in the amount that the cost of energy incurred by the McPherson BPU varies from a base of \$0.02000 per net kWh times a 1.03 line loss multiplier to the nearest \$0.00001 per net kWh.

**Purchased Capacity Charge:**

Customers billed in connection with this rate schedule are subject to a Purchased Capacity Charge. For this rate class, the Purchased Capacity Charge is calculated based on the estimated annual net cost of electric capacity to be purchased by the McPherson BPU for that year and this rate class's estimated contribution to the maximum coincident peak of the electric system for June, July, and August of that year, divided by this rate class's projected billing capacity for that year. The Purchased Capacity Charge is billed monthly as dollars and cents per kVA.

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Sheet 3 of 5

At the end of each year, or other period as deemed appropriate by the McPherson BPU, the Purchased Capacity Charge shall be modified, as necessary, to match the estimated annual net cost of electric capacity to be purchased by the McPherson BPU for the following year, relative to this rate class's estimated contribution to the annual maximum coincident peak of the electric system for the corresponding year, plus an adjustment equaling the actual over or under recovery of revenue from Purchased Capacity Charges from the prior year.

**Transmission Charge:**

Customers billed in connection with this rate schedule are subject to a Transmission Charge. For this rate class, the Transmission Charge is calculated based on the estimated annual net cost of transmission services to be purchased by the McPherson BPU for that year and this rate class's estimated contribution to the maximum coincident peak of the electric system for June, July and August of that year, divided by this rate class's projected billing capacity for that year. The Transmission Charge is billed monthly as dollars and cents per kVA.

At the end of each year, or other period as deemed appropriate by the McPherson BPU, the Transmission Charge shall be modified, as necessary, to match the estimated annual net cost of transmission services to be purchased by the McPherson BPU for the following year, relative to this rate class's estimated contribution to the annual maximum coincident peak of the electric system for the corresponding year, plus an adjustment equaling the actual over or under recovery of revenue from Transmission Charges from the prior year.

**City Transfer Charge:**

All net energy billed in connection with this rate schedule is subject to a City Transfer Charge, billed monthly as mils per net kWh to the nearest \$0.00001 per net kWh. The City Transfer Charge was enacted to recover funds for transfers made by the McPherson BPU to the City of McPherson as Payments in Lieu of Taxes.

The City Transfer Charge will be modified as necessary to provide a matching of the total mandated Transfer set forth by the Governing Body of the City of McPherson, Kansas.

**Billing Capacity:**

Billing Capacity shall be the customer's maximum average kVA demand received or delivered in all four power quadrants during a fifteen (15) minute period occurring in June, July, or August or during the billing cycle of June, July, or August.

The kVA Billing Capacity shall be calculated by dividing the maximum fifteen (15) minute average kW by the power factor or by the fifteen (15) minute average kVA. Power factor shall be coincident with maximum 15-minute average kW or determined from the ratio of the monthly kilovar-hours delivered to the customer to the monthly kilowatt-hours delivered to the customer during the month of maximum kW demand.

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Sheet 4 of 5

Revision of Billing Capacity will be marked upward in any of the months of occurrence in June, July, and August. Revision of Billing Capacity to a lesser number will be instituted in the billing month of September on the basis of marking the highest fifteen (15) minute demand which occurred in the previous June, July, and August. That revised billing demand will remain constant throughout the next twelve months unless marked upward in the subsequent months of June, July, and August, or as stated in the following paragraph.

If the maximum fifteen (15) minute average demand, (On-Peak demand for TOU customers) of any current off-peak month, September thru May, exceeds the billing capacity of the previous months of June, July, and August, then the billing capacity starting that month shall be seventy percent (70%) of that month's peak demand or the then current Billing Capacity, whichever is greater. Also, for Time-of-Use customers during any calendar month, if the maximum fifteen (15) minute average demand which occurs from 7:00 p.m. Friday to 1:00 p.m. Monday and 7:00 p.m. to 1:00 p.m. Monday through Friday less the current On-Peak Billing Capacity exceeds the current Off-Peak Billing Capacity, then the Off-Peak Billing Capacity starting that month shall be seventy percent (70%) of that amount or the then current Off-Peak Billing Capacity, whichever is greater.

**On-Peak Billing Capacity: (OPTIONAL TIME-OF-USE)**

Billing Capacity which occurs from 1:00 p.m. to 7:00 p.m. Monday through Friday occurring in June, July, or August or during the billing cycle of June, July, or August.

**Off-Peak Billing Capacity: (OPTIONAL TIME-OF-USE)**

Billing Capacity which occurs 7:00 p.m. Friday to 1:00 p.m. Monday and 7:00 p.m. to 1:00 p.m. Monday through Friday occurring in June, July, or August or during the billing cycle of June, July, or August less the current On-Peak Billing Capacity.

**Power Quality:**

As required by the McPherson BPU, the customer's service shall be in compliance with IEEE Recommended Practices and Requirements for Harmonic Control in Electrical Power System (IEEE Standard 519), latest addition.

**Interconnection:**

Customers with distributed generation shall meet current BPU interconnections standards designed to protect utility employees from harm under all operating conditions and meet all NEC, NESC, the Institute of Electrical and Electronics Engineers, Underwriter Laboratories, the Federal Energy Regulatory Commission, and any other applicable standard having jurisdiction.

**Distributed Generation:**

The maximum total rated capacity in kVA of customer generation that will be allowed on the BPU's system shall be limited to not more than ten percent (10%) of the capacity of the primary line serving the customer. Customer generation capacity will also be limited to 10 kVA.

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Sheet 5 of 5

**Payment Information:**

The Service Charge constitutes the minimum monthly bill for all electric service accounts under this rate schedule.

In the event the customer orders a disconnection and reconnection of electric service at the same premises within a period of twelve (12) months, the McPherson BPU may collect as a reconnection charge the sum of such minimum bills as would have accrued during period of disconnection.

Bills are due and payable upon receipt; if not paid within twenty-six (26) days from billing date, the bill becomes delinquent. When a bill becomes delinquent, a late payment charge in an amount equal to two percent (2%) of the delinquent amount owed for electric service will be added to the electric service bill.

**Notes:**

1. Effective June 1, 2022, Electric Service Schedule RESD-20 shall be replaced by RED-22. Customers billed from Schedule RESD-20 before June 1, 2022, shall then be billed from Schedule RED-22 moving forward.
  
2. RESD-20 was a new rate, effective January 1, 2020.

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