

**NORTHEAST NEBRASKA PUBLIC POWER DISTRICT**

Nebraska 107, Wayne

Effective: December 17, 2019

**RURAL - SCHEDULE I-T-O-U**

SEDC: 46 / 47 / 48, 49

**AVAILABILITY**

Available for service to irrigation pumps, subject to District’s established rules and regulations. The TOU rate is a non-firm energy product based on the cost of energy in the ‘Day-ahead’ and ‘Real-time’ energy markets operated by the Southwest Power Pool. The SPP energy market supplies energy to all customer loads all the time to all customers in Nebraska. These TOU options are intended as a general pass through of market energy costs each summer to TOU customers under this rate schedule. Important information about optional ways for irrigation customers to avoid wholesale power demand charges and temporary high market energy prices are described in this rate schedule and may change annually based on energy supply and the hourly contribution of irrigation load to total peak loads. The ‘No Control’ option is a firm delivery option that includes expected average wholesale power cost purchased to meet firm uninterrupted loads.

**TYPE OF SERVICE**

Three-phase or single phase, 60-cycle, at available secondary voltages.

This rate schedule and all included options are in effect from June 1 to September 30 each year, unless other notifications are provided by Northeast.

Northeast reserves the right to bill energy consumed either monthly or at the end of the season. The annual charge is paid in advance of receiving service.

**Option A, Text Message notification of curtailment:**

Off peak pricing times have been increased to 15 hours up from 10 hours.

Off Peak hours start at 11:00 pm and continue until 2:00 pm the following day every day.

On Peak hours start at 2:00 pm and continue until 11:00 pm every day.

Text message will only be sent when expensive critical peak pricing hours are about to be implemented, usually a 30 minute to 1-hour notification. This option will work best for customers with remote ‘cell phone control’ of their pivots.

Critical Peak Pricing Hours (CPPH) may be declared by Northeast anytime and on any day between 9:00 am and 11:00 pm.

No single day will have more than 12 CPPHs.

**Option A RATES:**

Annual charge per kW of peak demand \$35.38 per kW

**Option A Energy Charges:**

All charges applied to consumption on a clock hour basis.

RA-rate (Off-Peak – 11:00 pm to 2:00 pm following day every day)

Generation	2.710 ¢ per KWh
<u>Transmission</u>	<u>1.585 ¢ per KWh</u>
Total	4.295 ¢ per KWh

RB-rate (On-Peak Daytime – 2:00 pm to 11:00 pm daily)	Generation	6.810 ¢ per KWh
	<u>Transmission</u>	<u>1.585 ¢ per KWh</u>
	Total	8.395 ¢ per KWh

RC-rate (“CPPHs” – applied to all use during any declared curtailment times)	Generation	75.0 ¢ per KWh
	<u>Transmission</u>	<u>1.585 ¢ per KWh</u>
	Total	76.585 ¢ per KWh

No kWh energy is included with the payment of the Annual Minimum kiloWatt (kW) Charge.

### **Option B, Daily scheduled curtailment hours:**

Off peak pricing times have been increased to 15 hours up from 10 hours.

Off Peak hours start at 11:00 pm and continue until 2:00 pm the following day every day.

On Peak hours start at 2:00 pm and continue until 11:00 pm every day.

Instead of receiving unscheduled text message notification this option qualifies for the same TOU pricing by scheduling a 5-hour curtailment for the same hours each day for the entire season. These curtailment hours will be during off peak times listed above as determined by Northeast. This option works best for customers with a time clock (or other method) that can be set once per season for a regular daily shut off.

Northeast makes no guarantees prior to assessing the expected seasonal peak demands as to:

- When the start date for the scheduled daily curtailment will begin during the irrigation season. The start of Option B scheduled curtailments will occur as Northeast’s total peak loads increase over a predetermined threshold on total load. During a normal load pattern, the 5-hour curtailment could start in July. Once the scheduled 5-hour curtailment starts, it will remain in effect for the remainder of the season. Northeast can call an end to the season prior to September 30.
- Availability will be determined after Northeast evaluates the number of applicants for Option B. If more customers choose Option B than can be accommodated, then customers will be selected on a first-come/first-served basis. This option will be limited if customer requests exceeds Northeast ability to provide. There is no guarantee prior to June 1. Availability will be coordinated with customers requesting Option C.

### **Option B RATES:**

Annual charge per kW of peak demand	\$35.38 per kW
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### **Option B Energy Charges:**

All charges applied to consumption on a clock hour basis.

RA-rate (Off-Peak – 11:00 pm to 2:00 pm following day every day)	Generation	2.710 ¢ per KWh
	<u>Transmission</u>	<u>1.585 ¢ per KWh</u>
	Total	4.295 ¢ per KWh

RB-rate (On-Peak Daytime – 2:00 pm to 11:00 pm daily)	Generation	6.810 ¢ per KWh
	<u>Transmission</u>	<u>1.585 ¢ per KWh</u>
	Total	8.395 ¢ per KWh

RC-rate (“CPPHs” – applied to all use during any daily scheduled curtailment times)

Generation	75.0 ¢ per KWh
Transmission	1.585 ¢ per KWh
Total	76.585 ¢ per KWh

No kWh energy is included with the payment of the Annual Minimum kiloWatt (kW) Charge.

### **Option C, Combined Text Message notification and scheduled daily curtailment:**

Off peak pricing times have been increased to 15 hours up from 10 hours.

Off Peak hours start at 11:00 pm and continue until 2:00 pm the following day every day.

On Peak hours start at 2:00 pm and continue until 11:00 pm every day.

Text message will only be sent when expensive critical peak pricing hours are about to be implemented, usually a 30 minute to 1-hour notification. This option will work best for customers with remote ‘cell phone control’ of their pivots and their farm management style will accommodate the combined curtailments.

Critical Peak Pricing Hours (CPPH) may be declared by Northeast anytime and on any day between 9:00 am and 11:00 pm.

No single day (24 hours) will have more than 12 CPPHs, this includes the combined 5-hour schedule (if in effect).

In addition to receiving unscheduled text message notification, the customer will be paid by Northeast for an additional 5-hour scheduled curtailment for the same hours each day for the entire season. These curtailment hours may be during either on peak or off-peak times listed above as determined by Northeast.

Northeast makes no guarantees prior to assessing the expected seasonal peak demands as to:

- The start date of scheduled 5-hour curtailments will occur as Northeast’s total peak loads increase over a predetermined threshold on total load. During a normal load pattern, the 5-hour curtailment could start in July. Once the scheduled 5-hour curtailment starts, it will remain in effect for the remainder of the season. Northeast can call an end to the season prior to September 30.
- Availability will be determined after Northeast evaluates the number of applicants for Option C. If more customers choose Option C than can be accommodated, then customers will be selected on a first-come/first-served basis. There are no guarantees prior to June 1. This option will be limited if customer requests exceeds Northeast need to limit peak loads. Availability will be coordinated with customers requesting Option B.
- For Text Messaging curtailments, Critical Peak Pricing Hours (CPPHs) could likely start prior to the implementation of the scheduled 5-hour curtailment and can occur any time after June 1. Option C will allow Northeast to implement CPPHs for up to 12 hours during a single day. On days the scheduled curtailment is in effect, this limits the CHHPs declared by text messaging to 7 hours when combined with the scheduled 5-hour curtailment.
- Critical Peak Pricing Hours (CPPH) may be declared by Northeast anytime and on any day between 9:00 am and 11:00 pm. It is possible that both the scheduled and text notification curtailments both occur between 9:00 am and 11:00 pm limited to 12 hours in a day.
- Every effort will be made to schedule the 5-hour curtailment during on peak (RB) rate times.
- The rate for CPPHs, (RC) will apply on any power consumption that occurs during either the text messaged curtailment hours or the daily scheduled curtailment hours.

**Option C RATES:**

Annual charge per kW of peak demand	\$35.38	per kW
Credit for 5-hour schedule curtailment	<u>\$ 7.35</u>	per kW
Net amount	\$28.03	per kW

A credit of \$7.35 per kW will be provided at the end of season to those customer that meet their obligation of complying with all 5 hour scheduled curtailments.

**Option A Energy Charges:**

All charges applied to consumption on a clock hour basis.

RA-rate (Off-Peak – 11:00 pm to 2:00 pm following day every day)	Generation	2.710 ¢ per KWh
	<u>Transmission</u>	<u>1.585 ¢ per KWh</u>
	Total	4.295 ¢ per KWh

RB-rate (On-Peak Daytime – 2:00 pm to 11:00 pm daily)	Generation	6.810 ¢ per KWh
	<u>Transmission</u>	<u>1.585 ¢ per KWh</u>
	Total	8.395 ¢ per KWh

RC-rate (“CPPHs” – applied to all use during any declared curtailment times)	Generation	75.0 ¢ per KWh
	<u>Transmission</u>	<u>1.585 ¢ per KWh</u>
	Total	76.585¢ per KWh

No kWh energy is included with the payment of the Annual Minimum kiloWatt (kW) Charge.

**Option D, Firm Power Service with no curtailments:**

This option is available to all customers. Rates include the additional expense of wholesale power demand charges, peak transmission delivery charges and average on-peak and off-peak wholesale energy costs.

**Option D RATES:**

Annual charge per kW of peak demand	\$101.23	per kW
RD rate - Energy Charge	Generation	5.410 ¢ per KWh
	<u>Transmission</u>	<u>1.585 ¢ per KWh</u>
	Total	6.995 ¢ per KWh

No kWh energy is included with the payment of the Annual Minimum kilo-Watt (kW) Charge.

**PRODUCTION COST ADDER** In case the rate under which the Seller purchases power at wholesale is amended or is adjusted in accordance with a fuel or production cost adder provision in the Seller’s Wholesale Power Contract, the foregoing energy charge shall be adjusted each month by the same amount per kilowatt-hour as the cost adjustment per kilowatt-hour in the Seller’s Wholesale power bill including losses for the corresponding month. Northeast will also assign the collection of certain bulk power cost, such as market congestion pricing, as Production Cost Adder to retail billings.

**DETERMINATION OF ANNUAL KW CHARGE**

The Annual fixed kW charge for billing purposes shall be the highest actual metered kW in the current year or any of the three previous years. Should motor size be reduced, or motor efficiency improved, or pivot system efficiency be improved, then customer should communicate those improvements for potential billing adjustment

The annual kW charge will be billed and is payable 15 days from billing date. The annual service charge will be considered delinquent if not paid by due date on statement. If no payment is received by the June 1, then service

will be discontinued until payment is received. A disconnection and reconnection fee per District Collection Policies, in addition to the annual service charge, will be charged before service is reconnected.

**POWER FACTOR ADJUSTMENT**

All irrigation customers with motors 20 HP or larger will be required to have a power factor correcting capacitor bank. A kW demand charge adjustment for power factor readings less than 95% will be assessed as follows: The kW demand in such cases will be adjusted by dividing the metered kW demand by the actual power factor (expressed as a percentage), and then multiplied by 95%.

**TERMS OF PAYMENT**

Penalty dates are posted on monthly bills. The District's policies governing penalties, collection charges, and disconnection of service for non-payment shall apply.