

# RATE SCHEDULE LWS-1

## – Loup Wholesale Power Service – Loup River Public Power District

### **AVAILABLE**

In the Wholesale Service Area of Loup.

### **APPLICABLE**

To municipalities and other public power agencies (Customer) purchasing all their power and energy requirements, including load growth, from Loup (with the exception of any direct WAPA allocations) for resale, including sales to end-use customers and wholesale customers.

### **CHARACTER OF SERVICE**

Power and energy shall be available to the Customer at the existing transmission substation or extensions thereof, at one or more Points of Delivery. Power and energy available shall be in the form of three-phase current, alternating at a frequency of approximately sixty (60) Hertz and at nominal Loup standard operating voltages (but not less than 2,400 volts).

### **MONTHLY RATE**

The monthly billing period is any calendar month commencing at the hour ending 0100 on the first day of the month and ending with the hour ending 2400 on the last day of such calendar month.

The measured demand is the number of kilowatts (kw) which is equal to the number of kilowatt-hours delivered at any point during any clock hour as measured by kilowatt demand metering equipment.

The Blend Rate is applicable to a Customer who has not exercised its right to contract directly for the purchase of WAPA Class I power and whose contract has an original term of 25 years or more.

The Generation Station Rate is applicable to a Customer who has exercised its right to contract directly for the purpose of WAPA Class I power and whose contract has an original term of 25 years or more.

### **MONTHLY DEMAND CHARGE PER KILOWATT (KW) OF BILLING DEMAND**

PRODUCTION			TRANSMISSION		ANCILLARY SERVICES
	Blend	Gen. Station	Lines	Substation	Reactive & Voltage Control
Summer	\$15.19	\$15.96	\$3.69	\$0.62	\$0.19
Winter	\$11.51	\$11.91			

ENERGY CHARGE PER KILOWATT-HOUR (KWH)*			
BLEND		GEN. STATION	ANCILLARY SERVICES
SUMMER ENERGY SEASON			<i>Regulation Up, Regulation Down, Spinning Reserve &amp; Supplemental Reserve</i>
On-Peak	\$0.03418	\$0.03443	
Off-Peak	\$0.02135	\$0.02160	
WINTER ENERGY SEASON			\$0.00028
On-Peak	\$0.02995	\$0.03022	
Off-Peak	\$0.02305	\$0.02332	

\*The above energy charges are also subject to the Production Cost Adjustment.

MONTHLY SUBTRANSMISSION DEMAND CHARGE		
	LINES	SUBSTATION
Demand Charge per KW of Billing Demand	\$0.61	\$0.52

IRRIGATION PUMPING ALLOWANCE CHARGES	
PRODUCTION	
Demand Charge per KW of Billing Demand	\$7.78
Energy Charge per kWh	\$0.0140

**BILLING DEMAND AND ENERGY**

A. Billing Demands

(1) Production kW Billing Demands

- a. The Production kW Billing Demand for the monthly Billing Periods of October through May (Winter Season) shall be determined as follows: The Customer’s Measured Demand coincident with Loup’s billing system demand occurring during On-Peak Demand Hours of the current Billing Period with adjustments, if any, to such Measured Demand for (i) kilowatt loss factor, (ii) Power Factor Adjustment, (iii) deduction of the Customer’s Irrigation Pumping Allocation available during such Billing Period, if applicable, (iv) for Generation Station Customers, deduction of the power purchased directly from WAPA, and (v) for Customers who have exercised their available options to limit or reduce their purchases of power and energy from Loup, deduction of the power that is no longer supplied by Loup.
- b. The Production kW Billing Demand for the monthly Billing Periods of June through September (Summer Season) shall be determined as follows: The average of the Customer’s highest Measured Demands during On-Peak Demand Hours on each of four (4) separate days during the current Billing Period or the three (3) Summer Season monthly Billing Periods immediately preceding the current Billing Period with adjustments, if any, to each such highest Measured Demand for (i) kilowatt loss factor, (ii) Power Factor Adjustment, (iii) deduction of the Customer’s maximum Irrigation Pumping Allocation, if applicable, (iv) for Generation Station Customers, deduction of the power purchased directly from WAPA, and (v) for Customers who have exercised their available options to limit or reduce their purchases of power and energy from Loup, deduction of the power that is no longer supplied by Loup.

(2) Transmission Billing Demands

a. Transmission Line Billing Demands

The Transmission Line kW billing Demand shall be the average of the Customer's 12 monthly Measured Demands which are coincident with Loup's maximum monthly transmission system demands from Loup's Power Supplier from the prior calendar year. Such Measured Demand shall be adjusted for (i) kilowatt loss factor, (ii) Power Factor Adjustment, (iii) inclusion of the output of wholesale and retail behind the meter generators that Loup's power supplier includes as part of its network load calculation and reports to the Southwest Power Pool for transmission billing unit purposes, and (iv) for Generation Station Customers, deduction of the power purchased directly from WAPA to the extent the charges for transmission line service associated with the delivery of such WAPA power by Loup to the Customer are otherwise paid by WAPA or other third party to Loup.

b. Transmission Substation, Subtransmission Line and Subtransmission Substation Billing Demands

The Transmission Substation, Subtransmission Line, and Subtransmission Substation kW Billing Demand(s), to the extent the Customer utilizes such facilities provided by Loup shall be determined as follows: One hundred percent (100%) of the Customer's single highest Measured Demand during any hour of the current or preceding eleven Billing Periods with adjustment, if any, to such highest Measured Demand for (i) kilowatt loss factor, (ii) Power Factor Adjustment, and (iii) for Generation Station Customers, deduction of the power purchased directly from WAPA to the extent the charges for any transmission substation and subtransmission service associated with the delivery of the WAPA power to the Customer are otherwise paid by WAPA or other third party to Loup.

c. Ancillary Service Billing Demands

Billing Demands for Reactive Supply and Voltage Control Service shall be the same billing quantities used for billing the Transmission Line Charges except for Generation Station Customers, the quantity of ancillary services provided by WAPA, if any, shall be excluded

B. The Kilowatt-Hour Billing Energy shall be determined as follows:

- (1) The total measured energy during the current Billing Period with adjustment, if any, to such measured energy for (i) kilowatt-hour loss factor, (ii) deduction of energy associated with the Customer's Irrigation Pumping Allocation, if applicable, and (iii) for Generation Station Customers, deduction of the energy purchased directly from WAPA. For adjustments (ii) and (iii) above, these amounts shall be allocated between on-peak and off-peak hours in proportion to the Customer's total measured on-peak and off-peak energy in such Billing Period.
- (2) For the monthly Billing Periods the on and off-peak hours for energy (all based on Central Time) are as follows:

SEASON	ON-PEAK	OFF-PEAK
Summer	1001-2200, Mon-Sat	All Other Hours
Winter	0801-2200, Mon-Sat	All Other Hours

All hours on New Year's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day shall be considered off-peak hours for energy.

(3) Ancillary Service Billing Energy

For Customers who have not exercised their available options to limit or reduce their purchases of power from Loup, Billing Energy for Regulation Up Service, Regulation Down Service, Spinning Reserve Service and Supplemental Reserve Service, as applicable, shall be the Customer's total measured energy during the current Billing Period, with adjustment, if any, to such measured energy for (i) kilowatt-hour loss factor.

C. Irrigation Pumping Billing Demand and Energy

- (1) The Irrigation Pumping Allocation kW Billing Demand shall be determined as follows: For the monthly Billing Periods of April through October the billing demand shall be the Customer's allocated share of such irrigation pumping power available in such Billing Period.

- (2) The Irrigation Pumping Allocation Kilowatt-Hour Billing Energy shall be determined as follows: For the monthly Billing Periods of April through October the billing energy shall be the Customer's allocated share of such irrigation pumping energy available in such Billing Period.

### **LOSS FACTORS**

The 34.5 KV bus in the 115 KV and 230 KV Transmission Substations and Monroe Hydro is Bus A. If the point of measurement is located beyond Bus A, the metered power and energy shall be corrected for losses back to Bus A. The loss factors to correct the metered power and energy to Bus A to include both line loss and transformer loss are included in existing agreements that specify loss factors for kilowatts and kilowatt-hours. The Bus A power and energy shall be the billing demand and energy subject to adjustments, if any, as provided in this Rate Schedule.

### **TRANSMISSION AND SUBTRANSMISSION FACILITIES**

Service provided under the provisions of this Rate Schedule includes wheeling of electric power and energy over interconnected high voltage transmission system network consisting of transmission line and substation facilities rated 115 KV and above and may also include wheeling over transmission line and substation facilities rated 34.5 KV and below (hereinafter called "subtransmission"). All transmission lines rated 115 KV and above and substation facilities that provide for transformation to voltages at or above 115 KV are, for purposes of this Rate Schedule, included as transmission line facilities.

Ancillary Services includes regulation and frequency response, spinning reserve service, supplemental reserve service and reactive supply and voltage control service.

Where Loup has provided the facilities required for service hereunder at a Point or Points of Delivery from the high voltage transmission network or from the subtransmission facilities of Loup, the transmission substation, subtransmission line, and subtransmission substation charges will be applied as follows:

- (3) Where Loup has provided the high voltage transmission substation facilities required for the first transformation below transmission voltage for one or more of its Points of Delivery, the transmission substation charge will be applicable to power and energy deliveries at such Points.
- (4) Where Loup has provided both the subtransmission line and substation facilities beyond Bus A for one or more of its Points of Delivery, the subtransmission line and substation charges will be applicable to power and energy deliveries at such Points. In the event the Customer has provided the subtransmission substation facilities, only the subtransmission line charges will be applicable. In the event the Customer has provided the subtransmission line facilities, only the subtransmission substation charges will be applicable.

### **ON-PEAK DEMAND HOURS**

The District's on-peak demand hours will be the same as those hours designated in Nebraska Public Power District's GFPS Rate Schedule Supplement No. 1.

### **IRRIGATION PUMPING ALLOWANCE**

The Irrigation Pumping Allocation shall be the amount of WAPA power and energy designated for irrigation pumping that has been assigned by NPPD to the Customer and shall be applicable during the months of April through October. The Customer's Measured Demand and Energy shall be adjusted by the amount of the Customer's Irrigation Pumping Allocation for purposes of computing the production KW billing demands and kilowatt-hour billing energy as provided for in this Rate Schedule. The charges for the Irrigation Pumping Allocation power and energy shall be established to recover the cost to Loup of the WAPA power and energy designated for irrigation pumping.

### **POWER FACTOR ADJUSTMENT**

If a Customer's power factor at any Point of Delivery at the time of the highest Measured Demand(s) used in the Billing Demand determination is less than ninety percent (90%), Loup may adjust such Demand for such Point of Delivery to ninety percent (90%) of the maximum KVA.

**PRODUCTION COST ADJUSTMENT**

The Production Cost Adjustment (PCA) is an adjustment in the energy portion of the rate due to increased or decreased costs of producing or procuring energy that is different from those costs included in the energy portion of the rate.

For Customers taking delivery at the 34.5 KV bus, (Bus A), in the Transmission Substation, Loup will bill the same Production Cost Adjustment as billed to the Loup District by the Nebraska Public Power District.

**MODIFICATION OF SCHEDULE**

Loup retains and reserves the right, power and authority to modify, revise, amend, replace or repeal this Wholesale Power Service Rate Schedule, in whole or in part, by resolution adopted by the Loup Board of Directors.

Approved: December 22, 2020  
Effective: With bills rendered on and after March 1, 2021