

SCHEDULE 40-2

**LARGE POWER SERVICE - SCHOOLS**

**I. AVAILABILITY**

Service is available to any school that is a customer of Northeastern REMC (Northeastern) requiring in excess of fifty kilowatts (50 kW) of metered demand. Service hereunder is not available as standby power.

**II. CHARACTER OF SERVICE**

Service rendered under this rider shall be as specified below:

**A. SINGLE-PHASE**

Single-phase service shall be alternating current, sixty (60) hertz, at approximately 120/240 volts, three wire.

**B. MULTI-PHASE**

Multi-phase service shall be alternating current, sixty (60) hertz, at approximately 120/208, 120/240, or 277/480 volts, four wire.

Other voltages may be available upon the customer's request subject to agreement by Northeastern.

**III. MONTHLY CHARGE**

Customer Charge per Month	\$100.00
Demand Charge per kW Billing Demand	\$6.65
Energy Charge per kWh	\$0.0340

**IV. MINIMUM MONTHLY CHARGE**

The minimum monthly charge shall be the Customer Charge plus the minimum billing demand as defined under "Determination of Billing Demand."

**V. DETERMINATION OF BILLING DEMAND**

The Billing Demand shall be the Metered Maximum kilowatt (kW) load measured over a period of fifteen (15) consecutive minutes during the billing month as metered or recorded by suitable metering equipment installed by Northeastern. The Billing Demand may be adjusted when the customer's average power factor falls below 95%.

The average monthly Power Factor shall be calculated from the kilowatts hours "A" and reactive kilovolt-amperes hours "B" by the following formula:

$$\text{Average Power Factor} = \frac{\text{"A"}}{\text{Square Root of (A}^2 + \text{B}^2\text{)}}$$

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If the average monthly Power Factor is less than 95% lagging, the Billing Demand shall be the Metered Maximum kW load adjusted in accordance with the following formula:

$$\text{Billing Demand} = \frac{\text{Maximum Metered kW} \times .95}{\text{Average Power Factor}}$$

If the average monthly Power Factor is equal to or in excess of 95% lagging, then:

$$\text{Billing Demand} = \text{Maximum Metered kW load}$$

The monthly Billing Demand, as determined above, shall not be less than any one of the following:

1. Not less than the minimum contracted kVA capacity specified in the customer's service application or contract with Northeastern.
2. Where highly fluctuating or intermittent loads (such as welding machines, electric furnaces, hoists, elevators, X-rays and the like) are in operation by the customer, Northeastern reserves the right to determine the billing capacity by averaging the customer's total load over a two-minute period, or by increasing the fifteen minute measured maximum billing capacity by an amount equal to 50% of the nameplate rated kVA capacity of the fluctuating equipment. Where such fluctuating loads require additional or separate transformers or additional system capacity, an additional separate capacity charge will be made on a special study of the customer's requirements.

## VI. METERING AND BILLING KWH

For each service location, Northeastern reserves the right to use a single meter, combination single and three-phase meter or separate single and three-phase meters. The Metered Maximum kW loads and the kWh readings will each be added arithmetically and a single bill under the above rate will be rendered.

The Monthly Charges assume metering is at Northeastern's available secondary voltage. If metering occurs on the primary side of the service transformer, the metered kWh and kVARh will be reduced by 1.5% before computing the bill.

## VII. CUSTOMER FURNISHED TRANSFORMER AND EQUIPMENT

Where individual or unusual substation installations are required to serve the customer, Northeastern reserves the right to require the customer to make, at the customer's expense, the necessary complete substation installation (consisting of transformer, structure, protective devices, etc.) required to provide adequate service to the customer and, in such event, the customer will own, operate and maintain said installation. A credit of \$0.25 per kW of Billing Demand will apply to the Demand Charge.

## VIII. CONDITIONS OF SERVICE

1. Northeastern's Rules and Regulations on file with the Indiana Utility Regulatory Commission shall apply to service under this schedule.
2. Service under this rate will be furnished on a continuous twelve (12) month basis.
3. Service will be rendered under this rate, upon application by the customer, for an initial contract period of not less than twelve (12) months, or longer, depending upon the investment to supply the customer's requirements, revenue to be received from customer, etc.

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- 4. For temporary, seasonal, or unusual service or extensions, reference is made to Northeastern's General Rules, Terms and Conditions covering same, and in such cases, the minimum charge conditions, furnishing of substation equipment, connection and disconnection of service, financing of service facilities required, etc., will be covered by special agreement with the customer, and the customer shall pay for all expenses associated with the installation and removal of any temporary service.
- 5. Northeastern may require corrective measures or devices for any motor or apparatus, which in the opinion of Northeastern, will cause voltage fluctuation to other customers. Unless otherwise permitted, the maximum primary voltage fluctuation caused by a customer is as follows.

Fluctuation %	Duration (Secs.)	Duration (Cycles)
3	0.00416	1\4
2	0.00833	1\2
1	0.03333	2

- 6. The customer is responsible for limiting harmonic current injected into Northeastern's system. Harmonic current limits at the point of common coupling between Northeastern and the customer shall be as per IEEE standard 519-1992 or it's amends.

**IX. POWER COST ADJUSTMENT**

Refer to Appendix A.

**X. FUEL COST ADJUSTMENT**

Refer to Appendix FC.

**XI. NON-FUEL COST ADJUSTMENT**

Refer to Appendix FC.

**XIII. SCR COST ADJUSTMENT**

Refer to Appendix FC.

**XIV. TERMS OF PAYMENT**

Refer to Appendix B.

**XV. LATE PAYMENT CHARGE**

Refer to Appendix B.

**XVI. INTERPRETATION**

Refer to Appendix B.

**XVII. ALL OTHER NON-RECURRING CHARGES**

Refer to Appendix B.

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**XVIII. OPERATION ROUND UP**

Refer to Appendix E.

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