

SCHEDULE 50-0
CAPACITY POWER

I. AVAILABILITY

Service is available to any Member of Northeastern REMC (Northeastern) requiring in excess of one thousand kilowatts (1,000 kW) of metered demand. Service hereunder is not available as standby power.

II. CHARACTER OF SERVICE

The type of service rendered under this rate schedule shall be multi-phase, sixty (60) hertz, approximately 277/480 volts, four-wire. Other voltages may be available upon the Member's request subject to agreement by Northeastern.

III. MONTHLY CHARGE

Service Availability	\$150.00
Demand Charge per kW Billing Demand	\$4.65
Energy Charge per kWh	\$0.0813

IV. MINIMUM MONTHLY CHARGE

The minimum monthly charge shall be the Customer Charge plus the 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 Member's average power factor falls below 95%.

The average monthly Power Factor for the month shall be calculated from the kilowatt-hours "A" and reactive kilovolt-amperes hours "B", both of which are used during the fifteen (15) minute interval in which the metered maximum demand load occurs, by the following formula:

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

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:

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

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 Member'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 Member, Northeastern reserves the right to determine the billing capacity by averaging the Member'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 Member'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. MEMBER FURNISHED TRANSFORMER AND EQUIPMENT

Where individual or unusual substation installations are required to serve the Member, Northeastern reserves the right to require the Member to make, at Member's expense, the necessary complete substation installation (consisting of transformer, structure, protective devices, etc.) required to provide adequate service to the Member and, in such event, the Member 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 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 Member for an initial contract period of not less than twelve (12) months, or longer, depending upon the investment to supply the Member's requirements, revenue to be received from Member, etc.

- 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 Member, and the Member 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 Members. Unless otherwise permitted, the maximum primary voltage fluctuation caused by a Member is as follows.

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

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

IX. POWER COST ADJUSTMENT

Refer to Appendix A.

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.

XVIII. OPERATION ROUND UP

Refer to Appendix E.