

City of Niles Utilities Department  
Niles, Michigan

Schedule of Electric Rate  
for  
Medium Industrial Power

Effective on and after June 1, 2009

**RATE 4 & 4R: MEDIUM INDUSTRIAL POWER-CITY AND NON-CITY AVAILABILITY**

Available for general service. Customers shall contract for a definite amount of electrical capacity in kilovolt-amperes, which shall be sufficient to meet normal maximum requirements, but in no case shall the capacity contracted for be less than **1,000 KVA**. The City may not be required to supply capacity in excess of that contracted for except by mutual agreement. Contracts shall be made in multiples of **100 KVA**.

Hours of service: 24. Kind of Service: Alternating Current  
Voltage. 2,400 v. - 69,000 v. Phase: 3 Cycles: 60

**RATE**

		Rate
Capacity Charges:		
If served at transmission voltage (34,000 v.)	\$9.84 / Peak KVA Demand	(2105)
Add on if served at Distribution Voltage	\$0.65 / Peak KVA	-----
Energy Charges:	\$0.0427 / Kwhr.	(4001, 4002)

**DELIVERY VOLTAGE**

The rate set forth in the preceding paragraph is based upon the delivery and measurement of energy at primary voltage, from lines operated at approximately 34,000 volts with the customer supplying the complete substation equipment necessary to take service at the said primary voltage. Energy may be delivered hereunder at the primary voltage of distribution lines operated at less than 34,000 volts or may be delivered through a separate City owned substation stepping down from a voltage of 34,000 volts to not less than 4,160 volts, in which event the primary portion of the rate will be increased \$0.65 per KVA of peak monthly billing demand.

**MINIMUM CHARGE**

This rate is subject to a minimum monthly charge equal to the **1,000 KVA** demand contracted for and set forth above. The minimum monthly charge so determined shall also be subject to (a) adjustments as determined under the Power Factor Clause (b) adjustments as determined under the Fuel Clause.

**DELAYED PAYMENT CHARGE**

This rate is net if paid in full on or before the due date of the bill. On all accounts not so paid, an additional charge of 5% of the amount of such monthly bill will be made.

## **MONTHLY BILLING DEMAND**

The billing demand in KVA shall be taken each month as the highest registration of a 15 minute integrating demand meter or indicator, or the highest registration of a thermal type demand meter in KVA, corrected to the nearest KVA, but the monthly billing demand so established shall, in no event, be less than 75% of the contract capacity of the customer, nor shall it be less than 1,000 KVA.

## **POWER FACTOR**

The rate set forth in the preceding tariff is based upon the maintenance by the customer of an average power factor of 85% for each month. When the average monthly power factor is above or below 85% (leading or lagging), the total monthly charge, exclusive of correction for fuel costs, will be multiplied by the constant, rounded to the nearest 0.0001, derived from the following formula:

$$\text{Constant} - 0.9510 + (0.1275 ((\text{RKVAH/kWh}) \text{ squared}))$$

Constants for other than the effective power factors will be determined from the same formula listed above.

## **FUEL CLAUSE**

For each kWh sold under this rate, the customer will be credited or charged at the same rate that the City is credited or charged by the Indiana and Michigan Electric Company, based upon the "MRS" rate as filed with the Federal Energy Regulatory Commission on August 9, 1984 as amended by the correction of an error and through negotiations.

## **TERM OF CONTRACT**

Contracts under this rate will be made for not less than 1 year with self-renewal provisions for successive periods of 1 year each until either party shall give at least 60 days' written notice to the other of intention to discontinue at the end of any yearly period. The City will have the right to make contracts of periods longer than 1 year.

Recommended by the Board of Utilities

Approved by Council on June 8, 2009 retroactive to June 1, 2009