

MAQUOKETA MUNICIPAL ELECTRIC UTILITY (MMEU)

Purchased Power Adjustment

All metered rates shall be subject to a positive or negative purchased power adjustment equivalent to the amount by which the current cost of power (per kilowatt-hour of sales) is greater or lesser than the base cost of power purchased (per kilowatt-hour of sales).

The current cost per kilowatt-hour of energy billed is equal to the cost of power purchased for the most recent month, divided by the kilowatt-hours of energy sold. The monthly adjustment (rounded to the nearest one one-hundredth of a cent) is equal to the current cost less the base cost. The base cost of power (U) is \$0.0833 per kilowatt-hour.

Periodic changes shall be made to maintain the proper relative structure of the rates and to insure that power costs are being equitably recovered from the various rate classes. If the monthly adjustment (A) exceeds \$0.0150 per kilowatt-hour, for more than three times in a 12-month period (current plus preceding 11-months), MMEU can evaluate a change in rates to incorporate a portion of the power cost adjustment into the base rates.

For purposes of calculating the purchased power adjustment, the following formula shall be used:

$$A = \frac{C}{S} - U$$

- A is the purchased power adjustment rate in dollars per kilowatt-hour rounded to four decimal places applied on a per kilowatt-hour basis to all metered sales of electricity.
- S is the total kilowatt-hours sold during the most recent month.
- U is the base cost of power, which equals the average cost of power purchased per kilowatt-hour of sales for the test year period. This figure remains constant in each subsequent monthly calculation at \$0.0833 per kilowatt-hour until otherwise changed by MMEU.
- C is the cost of power purchased in dollars in the most recent month.

MAQUOKETA MUNICIPAL ELECTRIC UTILITY (MMEU)

Residential Service

Application: This rate will be applied to residential single-phase and three phase customers for ordinary household purposes.

Customers who do not meet these criteria will be served under the applicable rate.

Basic Service Charge: \$13.00 per month.

Energy Charge: \$0.1070 per kilowatt-hour (kWh).

Purchased Power Adjustment: Charge per all kWh varies monthly. See schedule PPA.

Minimum Monthly Bill: The minimum monthly bill shall be the Basic Service Charge.

MAQUOKETA MUNICIPAL ELECTRIC UTILITY (MMEU)

Small General Service (Commercial) Non-Demand

Application: This rate will be applied to single and three-phase customers. This includes commercial, institutional, government, farm, and other customers. The monthly Maximum Measured Demand of customers served on this rate shall not exceed 50 kilowatts for three or more months in a consecutive 12-month calendar year. Previous calendar year will serve as the criteria for rate qualification.

Basic Service Charge: \$20.00 per month.

Energy Charge: \$0.1036 per kilowatt-hour (kWh).

Purchased Power Adjustment: Charge per all kWh varies monthly. See schedule PPA.

Minimum Monthly Bill: The minimum monthly bill shall be the Basic Service Charge.

Farm Customer: Defined as a person or organization using electric service for the operation of an individual farm, or for residential use in living quarters on the farm occupied by persons principally engaged in the operation of the farm and by their families. A farm is a tract of land used to raise or produce agricultural and dairy products, for raising livestock, poultry, game, fur-bearing animals, or for floriculture, or similar purposes, and embracing not less than 3 acres; or, if small, where the principal income of the operator is derived therefrom. (Otherwise, the service used for residential purposes is classed as residential, and that used for commercial is classed as general service.)

Determination of Maximum Measured Demand: The Maximum Measured Demand in any month shall be that demand in kilowatts necessary to supply the average kilowatt-hours in 15 consecutive minutes of greatest consumption of electricity during each month. Such Maximum Measured Demand shall be determined from readings of permanently installed meters or, at the option of the utility, by any standard methods or meters. Said demand meter shall be reset to zero when the meter is read each month.

MAQUOKETA MUNICIPAL ELECTRIC UTILITY (MMEU)

Large General Service with Demand \geq 50 kW (but less than 200 kW)

Application: This rate will be applied to customers for all types of service if their monthly Maximum Measured Demand is in excess or equal to 50 kilowatts (kW) per month for three or more months in a consecutive 12-month calendar year, but not greater than 200 kW per month for three or more months in a consecutive 12-month calendar year. Previous calendar year will serve as the criteria for rate qualification.

Basic Service Charge: \$50.00 per month.

Demand Charge: \$6.00 per kW of maximum measured demand.

Energy Charge: \$0.0870 per kilowatt-hour (kWh).

Purchased Power Adjustment: Charge per all kWh varies monthly. See schedule PPA.

Minimum Monthly Bill: The minimum monthly bill shall be equal to the Basic Service Charge.

Determination of Maximum Measured Demand: The Maximum Measured Demand in any month shall be that demand in kilowatts necessary to supply the average kilowatt-hours in 15 consecutive minutes of greatest consumption of electricity during each month. Such Maximum Measured Demand shall be determined from readings of permanently installed meters or, at the option of the utility, by any standard methods or meters. Said demand meter shall be reset to zero when the meter is read each month.

MAQUOKETA MUNICIPAL ELECTRIC UTILITY (MMEU)

Large General Service with Demand \geq 200 kW (but less than 600 kW)

Application: This rate will be applied to customers for all types of service, if their monthly Maximum Measured Demand is in excess or equal to 200 kilowatts (kW) per month for three or more months in a consecutive 12-month calendar year, but not greater than 600 kW per month for three or more months in a consecutive 12-month calendar year. Previous calendar year will serve as the criteria for rate qualification.

Basic Service Charge: \$75.00 per month.

Demand Charge: \$8.50 per kW of maximum measured demand.

Energy Charge: \$0.0814 per kilowatt-hour (kWh).

Purchased Power Adjustment: Charge per all kWh varies monthly. See schedule PPA.

Minimum Monthly Bill: The minimum monthly bill shall be equal to the Basic Service Charge.

Determination of Maximum Measured Demand: The Maximum Measured Demand in any month shall be that demand in kilowatts necessary to supply the average kilowatt-hours in 15 consecutive minutes of greatest consumption of electricity during each month. Such Maximum Measured Demand shall be determined from readings of permanently installed meters or, at the option of the utility, by any standard methods or meters. Said demand meter shall be reset to zero when the meter is read each month.

MAQUOKETA MUNICIPAL ELECTRIC UTILITY (MMEU)

Large General Service with Demand \geq 600 kW

Application: This rate will be applied to customers for all types of service if their monthly Maximum Measured Demand is in excess or equal to 600 kilowatts (kW) per month for three or more months in a consecutive 12-month calendar year. Previous calendar year will serve as the criteria for rate qualification.

Basic Service Charge: \$200.00 per month.

Distribution Demand Charge: \$1.50 per kW of distribution demand.

Demand Charge: \$9.00 per kW of maximum measured demand.

Energy Charge: \$0.0685 per kilowatt-hour (kWh).

Purchased Power Adjustment: Charge per all kWh varies monthly. See schedule PPA

Minimum Monthly Bill: The minimum monthly bill shall be equal to the Basic Service Charge.

Determination of Maximum Measured Demand: The Maximum Measured Demand in any month shall be that demand in kilowatts necessary to supply the average kilowatt-hours in 15 consecutive minutes of greatest consumption of electricity during each month. Such Maximum Measured Demand shall be determined from readings of permanently installed meters or, at the option of the utility, by any standard methods or meters. Said demand meter shall be reset to zero when the meter is read each month

Determination of Distribution Demand: The Distribution Demand shall be the highest monthly Maximum Measured Demand occurring in the current month or preceding 11-month period.

MAQUOKETA MUNICIPAL ELECTRIC UTILITY (MMEU)

Low Load Factor with Demand \geq 50 kW and Load Factor $<$ 25%

Application: This rate will be applied to customers for all types of service if their **monthly Maximum Measured Demand is in excess or equal to 50 kilowatts (kW) per month and their Load Factor is less than 25%** for three or more months in a consecutive 12-month calendar year. Previous calendar year will serve as the criteria for rate qualification.

Please note: Customers with distributed generation do not qualify for this rate.

Basic Service Charge: \$50.00 per month.

Energy Charge: \$0.1120 per kilowatt-hour (kWh).

Purchased Power Adjustment: Charge per all kWh varies monthly. See schedule PPA.

Minimum Monthly Bill: The minimum monthly bill shall be the Basic Service Charge.

Determination of Maximum Measured Demand: The Maximum Measured Demand in any month shall be that demand in kilowatts necessary to supply the average kilowatt-hours in 15 consecutive minutes of greatest consumption of electricity during each month. Such Maximum Measured Demand shall be determined from readings of permanently installed meters or, at the option of the utility, by any standard methods or meters. Said demand meter shall be reset to zero when the meter is read each month.

Load Factor: Is defined in the following formula, where kWh = Monthly Energy usage and kW = Maximum Measured Demand and 730 represents the average number of hours in a month.

$$\text{Load Factor} = \frac{\text{kWh}}{(\text{kW} * 730)}$$

MAQUOKETA MUNICIPAL ELECTRIC UTILITY (MMEU)

Security Lighting

Application: This schedule will be applied to security lighting. The utility will furnish, install, and maintain security lighting units.

Investment charge:

25-74 W LED -	\$8.75 per lamp per month
250 W MH -	\$14.25 per lamp per month
75-99 W LED -	\$14.25 per lamp per month
400 W MH -	\$18.25 per lamp per month
100-149 W LED -	\$18.25 per lamp per month
1000 W MH -	\$30.50 per lamp per month
150-300 W LED -	\$30.50 per lamp per month

Energy Charge: \$0.0000 per kilowatt-hour (kWh).

Purchased Power Adjustment: Not applicable to security lighting. See schedule PPA

Additional Charges: If an existing distribution pole or wire is not available for use with a fixture, the following additional charges may apply:

Pole Charges: \$1.75 per pole per month

Overhead Span of Wire: \$0.85 per span per month

Underground Service to the security lighting: Responsibility of the customer

Note: LED = Light Emitting Diode
MH = Metal Halide