

1163.01 Definitions.

- (a) "Maximum capacity" means the sum of the individual demands as determined separately for each metered service and supplied under the provisions of this chapter.
- (b) "Individual demand" means the measured demand where the connected load on a metered service is in excess of twenty (20) kilowatts; where the connected load is twenty (20) kilowatts or less, the individual demand may be established by periodic test, or as the estimated demand derived from the connected load.
- (c) "Measured demand," either by permanent installation of a demand meter or by periodic test, shall be determined in accordance with the division's standard practices and, except in unusual cases, shall be the maximum fifteen minute integrated kilowatt demand recording of an integrating demand meter, or the highest registration of a thermal type demand meter, during the billing period. In instances of highly fluctuating loads, or demands of short duration, the measured demand may be determined by appropriate metering equipment designed to measure fully the impact of such demands. Where measured demand are determined by periodic test a measured demand so determined shall continue in effect until superseded by a subsequent test.
- (d) "Estimated demands" means a calculated demand figure determined from the connected load, as follows:
 - First 5,000 watts @ 90%
 - Next 5,000 watts @ 80%
 - Over 10,000 watts @ 70%
- (e) "Contract location" means each separate point of delivery of service metered and billed under a separate service contract. Under special conditions, two (2) or more services supplied to a consumer at one (1) "contract location" may be combined on one (1) service contract as determined by the Director of Public Utilities or designee under the applicable schedule.
- (f) "Service" means the conductors and equipment for delivering electric energy from the secondary distribution main, or from the transformer, or from a distribution feeder to the wiring system of the premises served.
- (g) "Sub-station" means a receiving point for electric energy consisting of transformers, voltage regulators, switches and miscellaneous equipment and appurtenances.
- (h) "Commercial service" means electric energy delivered to commercial enterprises such as stores, hotels, offices, schools, churches, hospitals, apartment buildings, rooming or boarding houses, sales rooms, shops and a combined residence and office.
- (i) "Industrial service" means electric energy delivered to factories, processing plants, manufacturing plants and similar industries.
- (j) "Residential service" means electric energy delivered to residences.
- (k) The off-peak period shall be the time between 7:00 p.m. of each week day and 7:00 a.m. of the following day, between 5:00 p.m. on Friday and 7:00 a.m. of the following Monday and all day of New Year's Day, President's Day, Memorial Day, Independence Day, Labor Day, Thanksgiving Day and Christmas Day. The hours of the off-peak period above defined shall be subject to change from time to time at the city's option, provided that the week day off-peak period shall not be reduced to less than eight (8) hours. On-peak hours are all hours not defined as off-peak hours.
- (l) "Eligible senior customers" means any customer who (a) is receiving service by means of a single meter to a single-family residence; (b) is personally responsible for payment of the bill as head of

household; and (c) is sixty (60) years of age or older having a total income of less than two hundred (200) percent of the poverty level as published by the U.S. Department of Commerce, Bureau of Census.

- (m) "Total income" means adjusted the gross income of the applicant (and spouse for the senior citizen adjustment) for the year preceding the year on which application for the senior citizen or low income adjustment is made, as determined under the "Internal Revenue Code of 1954," 26 U.S.C. 1, as amended, plus income from the following sources not included in the federal adjusted gross income: old age and survivors benefits received pursuant to the "Social Security Act," retirements, pensions, annuities, payments received pursuant to the "Railroad Retirement Act," 45 U.S.C. 231 et seq., and interest on federal, state and local government obligations. Disability benefits paid by the Veterans Administration or a branch of the armed forces of the United States on account of an injury or disability shall not be included in total income.
- (n) "Eligible low income residential customer" means a direct residential customer that (a) has a total household income of less than two hundred (200) percent of the poverty level as published by the U.S. Department of Commerce, Bureau of Census or (b) who is eligible for food stamp benefits, Ohio Medicaid, Low Income Home Energy Assistance (LIHEAP), Ohio Works First, Social Security Disability, or public housing benefits.
- (o) "Household" means any individual or group of individuals living together as one economic unit for whom residential energy is customarily purchased in common or who make undesignated payments for energy in the form of rent.
- (p) "Winter period" means the billing months of October through May.
- (q) "Summer period" means be the billing months of June through September.

1163.03 Power cost reserve adjustment.

The power cost reserve adjustment includes the power cost adjustment (PCA) and the operating reserve allocation (ORA). The power cost reserve adjustment shall be expressed in dollars per KWH. The adjustment shall be effective at the beginning of each month to reflect adjustments made for actual purchased power costs incurred during the third month preceding, as determined as part of the power cost adjustment calculation, and may include an operating reserve allocation component, relating to the current month's billing cycle.

The power cost reserve adjustment formula is as follows:

$$\text{Power cost reserve adjustment} = \text{PCA} + \text{ORA}$$

The rates set forth in the applicable rate schedules are based upon a PCB, or power cost base. The power cost base is the projected cost of purchased power per KWH, based on the total estimated cost of purchased power and the total estimated net electricity purchased, for the upcoming fiscal year, as of a referenced date (i.e., the reset date). This base may not reflect the actual cost of purchased power per KWH for a given month during the fiscal year; therefore, the monthly power cost adjustment formula is used to adjust the power cost base to the actual cost of purchased power per KWH for a given month. Consumer electric bills may increase or decrease based on the power cost adjustment and will be adjusted based upon energy used.

- (1) "PCA" is the power cost adjustment calculation to reflect the actual cost of purchase power for a given month. The power cost adjustment charge or credit shall be determined within the nearest 1/1000 of a KWH in accordance with the following formula:

$$\text{PCA} = ((\text{Pm}/(\text{Egm}+\text{Epm}) - \text{PCB}) \times ((\text{Egm} + \text{Epm})/\text{Esm}))$$

PCA = Power cost adjustment to be charged in accordance with the power cost reserve adjustment as set forth within this chapter. The power cost adjustment amount per KWH will be charged times the energy used during the current billing month along with the electric rates established in this chapter.

Pm = Net cost of purchased power for the third month preceding the current billing month.

Egm = Net energy produced by the O'Shaughnessy Generating Plant for the third month preceding the current billing month. This energy shall be omitted from the PCA formula during periods when it is not used to directly serve electric customers of the City of Columbus.

Epm = Net energy purchased from other parties during the third month preceding the current billing month.

Esm = Total energy sales from customer meters read during the third month preceding the current billing month.

PCB = Power Cost Base = The estimated cost of purchased power over the fiscal year, to the nearest 1/1000 of a KWH, as of a referenced date (i.e., the reset date), based on the total estimated cost of purchased power for the fiscal year, divided by the total estimated net electricity, as stated in total KWH, to be purchased over the fiscal year.

- (2) "ORA," the operating reserve allocation component of the power cost reserve adjustment, is an upward or downward adjustment in power cost reserve adjustment rate level as determined necessary by the Director of Public Utilities or designee to maintain competitive rates and/or to provide revenue to meet established street lighting construction goals. The Director or designee may set or adjust the ORA monthly, provided, in no event, shall the director or designee set or adjust the ORA level to be greater than \$0.008 per KWH above the PCA for the third month preceding.

1163.035 Kilowatt hour excise tax rider for customers outside the City of Columbus boundaries.

A kilowatt-hour excise tax will be charged to all municipal electric customers outside the city boundaries. The kilowatt hour electricity distributed to those electric customers outside the city boundaries beginning with the measurement period that includes May 1, 2001 will be billed at the following rates per kilowatt hour of electricity distributed in a thirty (30) day period through a meter of an end user:

Kilowatt Hours Distributed to and End User	Rate per Kilowatt Hour
For the first 2,000	\$0.00465
For the next 2,001 to 15,000	\$0.00419
For 15,0001 and above	\$0.00363

If no meter is used to measure the kilowatt hours of electricity distributed, the rates shall apply to the estimated kilowatt hours of electricity distributed to an unmetered location outside the city boundaries.

Kilowatt hours of electricity distributed to an end user through a meter that is not measured for a thirty (30) day period will be taxed monthly by dividing the days in the measurement period into the total kilowatt hours measured during the measurement period to obtain a daily average usage. The tax shall be determined by obtaining the sum of divisions of the below section and multiplying that amount by the number of days in the measurement period:

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- (1) Multiplying \$0.00465 per kilowatt hour for the first sixty-seven (67) kilowatt hours distributed using a daily average;
 - (2) Multiplying \$0.00419 for the next sixty-eight (68) to five hundred (500) kilowatt hours distributed using a daily average;
 - (3) Multiplying \$0.00363 for the remaining kilowatt hours distributed using a daily average.

1163.04 Residential electric service, Schedule "A" (Rate 10).

- A. The following conditions shall apply to Residential service.
- B. Type of service and permitted use:
 1. The service shall be supplied at 120/240 volts, single phase, 60 hertz, alternating current from the Division of Power's distribution system.
 2. Use of the service shall be limited to lighting, heating, cooking, refrigeration, and miscellaneous appliances as commonly used in a domestic dwelling.
- C. Rates and charges for each separately metered service shall be as follows:
 1. Customer Charge: \$11.64. The customer charge shall be the minimum monthly charge for service.
 2. Energy Charge: \$0.12259 per kWh
- D. Power Cost Reserve Adjustment: The schedule of charges described in division (C) shall be adjusted in accordance with the Power Cost Reserve Adjustment as set forth in section 1163.03.
- E. Senior Citizen Adjustment: Eligible senior customers may apply to have the Customer Charge waived. The waiver will be available to the senior customer upon approval of the department of public utilities.
- F. Low Income Adjustment: Eligible low income residential customers may apply to receive a twenty (20) percent discount on the total Energy Charge for all kilowatt-hours of energy supplied pursuant to this section. This discount will be available to the low income residential customer upon approval of the department of public utilities.

1163.05 Residential electric service, Schedule "A-1" (Small User, Rate 11).

- A. Residential service for any new customer or for an existing customer who changes service location will be billed as provided for in Schedule "A" until the first billing month during the summer period, unless such customer establishes to the satisfaction of the Division of Power that the customer's usage would be within the limits provided in this Schedule A-1.
- B. Type of service and permitted use:
 1. The service shall be supplied at 120/240 volts, single phase, sixty (60) hertz, alternating current from the Division of Power's distribution system.
 2. Use of the service shall be limited to lighting, heating, cooking, refrigeration, and miscellaneous appliances as commonly used in a domestic dwelling.
- C. Rates and charges for each separately metered service:
 1. Customer Charge: \$11.64. The customer charge shall be the minimum monthly charge for service.
 2. Energy Charge: \$0.11000 per kWh

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- D. In any billing month during the Summer period, if usage exceeds seven hundred (700) KWH, billing will be rendered that month under Schedule "A" and thereafter for all subsequent months through the four (4) months of the next Summer period.
 - E. Power Cost Reserve Adjustment: The schedule of charges described in division (C) shall be adjusted in accordance with the Power Cost Reserve Adjustment as set forth in section 1163.03.
 - F. Senior Citizen Adjustment: Eligible senior customers may apply to have the Customer Charge waived. The waiver will be available to the senior customer upon approval of the department of public utilities.
 - G. Low Income Adjustment: Eligible low income residential customers may apply to receive a twenty (20) percent discount on the total Energy Charge for all kilowatt-hours of energy supplied pursuant to this section. This discount will be available to the low income residential customer upon approval of the department of public utilities.

1163.06 Small commercial electric service, Schedule "C-S" (Rate 22A).

- A. Available for general light and power service to consumers using city's standard service for the purposes other than residential use, and whose demand is less than ten (10) KW.
- B. Type of Service and permitted use:
 - 1. Alternating current, sixty (60) hertz, delivered from the city's secondary distribution systems at nominal voltages of 120, 120/240, 120/208, 240, 277/480 or 480 volts, single phase, and 120/208, 120/240, 208, 240, 277/480 and 480 volts, 3 phase.
 - 2. Service of at least one of the foregoing characteristics shall be made available to a customer, the particular service characteristics to be at the option of the city.
- C. Rates and charges for each separately metered service:
 - 1. Customer charge: \$45.85. The customer charge shall be the minimum monthly charge for service.
 - 2. Energy charge: \$0.13509 per kWh
- D. Power Cost Reserve Adjustment: The schedule of charges described in division (C) shall be adjusted in accordance with the Power Cost Reserve Adjustment as set forth in section 1163.03.
- E. Delayed Payment Charge:
 - a. The above tariff is net if account is paid in full within fifteen (15) days of the date of bill. On all accounts not so paid, an additional charge of five percent (5%) of the total amount billed, but not less than one dollar (\$1.00) will be made.
- F. Service and Contract Provisions:
 - a. Each separate point of delivery of service by one of more Metered Services shall be considered a Contract Location and shall be metered and billed under a separate service contract.
 - b. Only one Metered Service of each type, as to voltage and phase, will be supplied to a consumer under this Schedule at one Contract Location. Where two or more services are supplied to a consumer at one Contract Location, said services, within

the limitations above stated, may be combined in one service contract under this schedule, or may be served under separate contracts under this or other applicable schedules, at the consumer's option.

G. Term of Contract:

- a. Unless otherwise provided, the term of contract for service under this Schedule shall not be less than one (1) year.

1163.065 Commercial electric service, Schedule "C" (Rate 22):

A. Available for general light and power service to consumers using city's standard service for the purposes other than residential use with a maximum demand is excess of ten (10) KW.

B. Type of Service:

1. Alternating current, sixty (60) hertz, delivered from the city's secondary distribution systems at nominal voltages of 120, 120/240, 120/208, 240, 277/480 or 480 volts, single phase, and 120/208, 120/240, 208, 240, 277/480 and 480 volts, 3 phase.
2. Service of at least one of the foregoing characteristics shall be made available to a customer, the particular service characteristics to be at the option of the city.

C. Rates and charges for each separately metered service:

1. Customer charge: \$43.67. The customer charge shall be the minimum monthly charge for service.
2. Demand charge: \$15.89 per kW
3. Energy charge: \$0.07069 per kWh

D. Power Cost Reserve Adjustment: The schedule of charges described in division (C) shall be adjusted in accordance with the Power Cost Reserve Adjustment as set forth in section 1163.03.

E. Delayed Payment Charge:

1. The above tariff is net if account is paid in full within fifteen (15) days of the date of bill. On all accounts not so paid, an additional charge of five percent (5%) of the total amount billed, but not less than one dollar (\$1.00) will be made.

F. Determination of Maximum Demand:

1. The maximum demand shall be the sum of the individual demands of each metered service supplied under the provisions of this schedule.
2. The individual demand of each metered service shall be determined either as the measured demand or as estimated demand derived from the connected load, as defined herein.
3. The maximum demand in any month shall not be less than the greater of (a) the maximum recorded demand for the current month or (b) the minimum billing demand, if any, specified in the service contract.
4. Each separate point of delivery of service by one or more Metered Services shall be considered a Contract Location and shall be metered and billed under a separate service contract.

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5. Only one Metered Service of each type, as to voltage and phase, will be supplied to a consumer under this Schedule at one Contract Location. Where two or more services are supplied to a consumer at one Contract Location, said services, within the limitations above stated, may be combined in one service contract under this schedule, or may be served under separate contracts under this or other applicable schedules, at the consumer's option.

G. Term of Contract:

1. Unless otherwise provided, the terms of contract for service under this Schedule shall not be less than one (1) year.

1163.07 Large commercial and industrial secondary electrical service, Schedule "LCI" - (Rate 23).

- A. Available for general light and power use to the customers generally establishing maximum demand in excess of fifty (50) KW.
- B. Type of Service:
 1. Alternating current, sixty (60) hertz, delivered from the city's electric distribution system at nominal voltages of 120, 120/240, 120/208, 240, 240/480, 480, 277/480 volts single phase; and 120/208, 120/240, 208, 240, 480, 277/480 and 2300 volts, three phase.
 2. Service of at least one (1) of the foregoing characteristics shall be made available to a customer, the particular service characteristics to be at the option of the city.
- C. Rates and charges for each separately metered service:
 1. Customer charge: \$70.48
 2. Demand charge: \$18.15 per kW
 3. Energy charge: \$0.07058 per kWh
- D. Power Cost Reserve Adjustment: The schedule of charges described in division (C) shall be adjusted in accordance with the Power Cost Reserve Adjustment as set forth in section 1163.03.
- E. Minimum Charge:
 1. The minimum monthly charge shall be equivalent to the applicable demand charge applied to the maximum demand, the customer charge, and any applicable energy charge and power cost reserve adjustment.
- F. Delayed Payment Charge:
 1. The above tariff is net if account is paid within fifteen (15) days of date of bill. On all accounts not so paid, an additional charge of five (5) percent of the total amount billed, but not less than one dollar (\$1.00) will be made.
- G. Determination of Maximum Demand:
 1. The maximum demand shall be the sum of the individual demands of each metered service supplied under the provisions of this schedule.
 2. The individual demand of each metered service shall be determined either as the measured demand or as estimated demand derived from the connected loads. At the request of a consumer whose measured demand during off-peak hours normally exceeds measured demand during on-peak hours, the city will install metering

equipment to determine the measured demand during both on-peak and off-peak hours. The total installed cost of such metering equipment in excess of the cost of the metering equipment that is necessary to determine a consumer's single highest measured demand during the month will be paid for by the consumer.

3. For those consumers whose measured demand is determined during both on-peak and off-peak hours, maximum demand in any month shall be the greater of:
 - a. The measured demand during on-peak hours of the current month; or
 - b. The minimum billing demand, if any, specified in the service contract; or
 - c. Fifty (50) KW.
 - d. For all other consumers, all hours are considered as on-peak hours.

H. Excess Demand:

1. The excess demand in any month shall be the amount by which the measured demand during off-peak hours of the current month exceeds the maximum demand for the month.

I. Service and Contract Provisions:

1. Each separate point of delivery of service by one or more metered services shall be considered a contract location and shall be metered and billed under a separate service contract.
2. Only one (1) metered service of each type, as to voltage and phase, will be supplied to a consumer under this schedule at one (1) contract location. Where two (2) or more services are supplied to a consumer at one (1) contract location, said services, within the limitations above stated, may be combined in one (1) service contract under this schedule, or may be served under separate contracts under this or other applicable schedules, at the consumer's option.

J. Term of Contract:

1. Unless otherwise provided, the term of contract for service under this schedule shall not be less than one (1) year.

1163.075 Large commercial and industrial primary electric service, Schedule "LCI-P" (Rate 23P).

A. Available for general light and power use to the customers generally establishing maximum demand in excess of fifty (50) KW.

B. Type of Service:

1. Alternating current, sixty (60) hertz, delivered from the city's electric distribution system at nominal voltages of 2300, 7200, 13,200, 13,800, and 14,400 volts, three phase.
2. Service of at least one (1) of the foregoing characteristics shall be available to a customer, the particular service characteristics to be at the option of the city.

C. Rates and charges for each separately metered service:

1. Customer charge: \$136.42
2. Demand charge: \$17.03 per kW
3. Energy charge: \$0.06689 per kWh

D. Power Cost Reserve Adjustment: The schedule of charges described in division (C) shall be adjusted in accordance with the Power Cost Reserve Adjustment as set forth in section 1163.03.

E. Minimum Charge:

1. The minimum monthly charge shall be equivalent to the applicable demand charge applied to the maximum demand, the customer charge, and any applicable energy charge and power cost reserve adjustment.

F. Delayed Payment Charge:

1. The above tariff is net if account is paid within fifteen (15) days of date of bill. On all accounts not so paid, an additional charge of five (5) percent of the total amount billed, but not less than one dollar (\$1.00) will be made.

G. Determination of Maximum Demand:

1. The maximum demand shall be the sum of the individual demands of each metered service supplied under the provisions of this schedule.
2. The individual demand of each metered service shall be determined either as the measured demand or as estimated demand derived from the connected loads. At the request of a consumer whose measured demand during off-peak hours normally exceeds measured demand during on-peak hours, the city will install metering equipment to determine the measured demand during both on-peak and off-peak hours. The total installed cost of such metering equipment in excess of the cost of the metering equipment that is necessary to determine a consumer's single highest measured demand during the month will be paid for by the consumer.
3. For those consumers whose measured demand is determined during both on-peak and off-peak hours, maximum demand in any month shall be the greater of:
 - a. The measured demand during on-peak hours of the current month; or
 - b. The minimum billing demand, if any, specified in the service contract; or
 - c. Fifty (50) KW.
 - d. For all other consumers, all hours are considered as on-peak hours.

H. Excess Demand:

1. The excess demand in any month shall be the amount by which the measured demand during off-peak hours of the current month exceeds the maximum demand for the month.

I. Service and Contract Provisions:

1. Each separate point of delivery of service by one or more metered services shall be considered a contract location and shall be metered and billed under a separate service contract.
2. Only one (1) metered service of each type, as to voltage and phase, will be supplied to a consumer under this schedule at one (1) contract location. Where two (2) or more services are supplied to a consumer at one (1) contract location, said services, within the limitations above stated, may be combined in one (1) service contract under this schedule, or may be served under separate contracts under this or other applicable schedules, at the consumer's option.

J. Term of Contract:

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1. Unless otherwise provided, the term of contract for service under this schedule shall not be less than one (1) year.

**1163.077 Premium large commercial and industrial primary electric service, Schedule "LCI-PP"
(Rate 23PP).**

- A. Available for general light and power use to the customers generally establishing maximum demand in excess of fifty (50) KW.
- B. Type of Service:
 1. Alternating current, sixty (60) hertz, delivered from the city's electric distribution system at nominal voltages of 2300, 7200, 13,200, 13,800, and 14,400 volts, three-phase.
 2. Service of at least one (1) of the foregoing characteristics shall be available to a customer, the particular service characteristics to be at the option of the city.
- C. Rates:
 1. Customer charge: \$136.42
 2. Demand charge: \$17.03 per kW
 3. Energy charge: \$0.07105 per kWh
- D. Power Cost Reserve Adjustment: The schedule of charges described in division (C) shall be adjusted in accordance with the Power Cost Reserve Adjustment as set forth in section 1163.03.
- E. Minimum Charge:
 1. The minimum monthly charge shall be equivalent to the applicable demand charge applied to the maximum demand, the customer charge, and any applicable energy charge and power cost reserve adjustment.
- F. Delayed Payment Charge:
 1. The above tariff is net if account is paid within fifteen (15) days of date of bill. On all accounts not so paid, an additional charge of five (5) percent of the total amount billed, but not less than one dollar (\$1.00) will be made.
- G. Determination of Maximum Demand:
 1. The maximum demand shall be the sum of the individual demands of each metered service supplied under the provisions of this schedule.
 2. The individual demand of each metered service shall be determined either as the measured demand or as estimated demand derived from the connected loads. At the request of a consumer whose measured demand during off-peak hours normally exceeds measured demand during on-peak hours, the city will install metering equipment to determine the measured demand during both on-peak and off-peak hours. The total installed cost of such metering equipment in excess of the cost of the metering equipment that is necessary to determine a consumer's single highest measured demand during the month will be paid for by the consumer.
 3. For those consumers whose measured demand is determined during both on-peak and off-peak hours, maximum demand in any month shall be the greater of:
 - a. The measured demand during on-peak hours of the current month; or

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- b. The minimum billing demand, if any, specified in the service contract; or
 - c. Fifty (50) KW.
 - d. For all other consumers, all hours are considered as on-peak hours.

H. Excess Demand:

- 1. The excess demand in any month shall be the amount by which the measured demand during off-peak hours of the current month exceeds the maximum demand for the month.

I. Service and Contract Provisions:

- 1. Each separate point of delivery of service by one or more metered services shall be considered a contract location and shall be metered and billed under a separate service contract.
- 2. Only one (1) metered service of each type, as to voltage and phase, will be supplied to a consumer under this schedule at one (1) contract location. Where two (2) or more services are supplied to a consumer at one (1) contract location, said services, within the limitations above stated, may be combined in one (1) service contract under this schedule, or may be served under separate contracts under this or other applicable schedules, at the consumer's option.

J. Term of Contract:

- 1. Unless otherwise provided, the term of contract for service under this schedule shall not be less than one (1) year.