

P.U.C.O. No. 17  
ELECTRIC DISTRIBUTION SERVICE  
RULES AND REGULATIONS  
USE AND CHARACTER OF SERVICE

A. Available Types of Service

1. Alternating current nominally measuring sixty hertz (60 Hz or cycles per second) is available throughout the Company's Certified Territory. Services are supplied by the Company according to the location of the Customer and the nature of the load. Tariff Sheets within this Schedule contain provisions as to the applicability of the Tariff and the character of service available to the Customer.
2. The nominal values of the Company's "Standard Secondary Service Voltages" (the voltage at the point where the electric systems of the Company and the Customer are connected) are 120/240 Volts, 120/208 Y Volts, 240 Volts, 277/480 Y Volts and 480 Volts. The "Standard Primary Service Voltages" are 1385/2400 Y Volts, 2400 Volts, 2400/4160 Y Volts, 4160 Volts, 6900/11950 Y Volts, and 7200/12470 Y Volts. For service at higher levels of voltage, the nominal standard service voltages are 34,500 Volts, 69,000 Volts and 138,000 Volts.

For Customers served at voltages less than fifteen thousand (15,000) Volts, the Company designs its system so that under normal operating conditions the sustained service voltage is within a range of plus or minus five percent ( $\pm 5\%$ ) of the nominal voltage level of the service. For Customers served at voltages of more than fifteen thousand (15,000) Volts, the Company designs its system so that under normal operating conditions, the sustained service voltage is within a range of plus or minus ten percent ( $\pm 10\%$ ) of the nominal voltage level of the service. Because of conditions beyond the control of the Company, Customer, or both, there may be infrequent and limited periods when the sustained service voltage for Customers served at voltages less than fifteen thousand (15,000) Volts would be outside of the plus or minus five percent ( $\pm 5\%$ ) range noted above. In such case, corrective action shall be taken by the Company to the extent practicable. If the voltage is more than six percent (6%) above or eight percent (8%) below nominal, the Company will take immediate steps to restore voltages within the ranges set forth above. If the voltage variance is found to be caused by Customer action or equipment, the Customer shall be responsible for the cost of the voltage testing and remediation.

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3. The limits noted for sustained voltage levels do not apply to momentary voltage excursions that may result from such cases as switching operations, motor starting currents, etc.
4. The Customer is responsible for installing regulating apparatus for special equipment requiring voltage regulation other than those prescribed by the Ohio Administrative Code or in the Company's Electric Distribution Service Rules and Regulations.

B. Charges and Payment for Temporary Service

Persons desiring temporary service shall pay the entire cost to install the facilities necessary to furnish such temporary service and also the entire cost of disconnecting and removing the service. Electric energy used for temporary service shall be billed in accordance with the applicable Tariff Sheet contained in this Schedule by Service Type.

C. Increase or Decrease in Load

The Customer shall promptly notify the Company of any material increase or decrease in load connected or of any material change in his wiring or installation. The Customer at his expense will change his service facilities as are necessary to accommodate Company equipment necessary to serve any such increase or decrease in connected load.

D. Emergency and Auxiliary Service

A Customer maintaining equipment capable of providing all or part of his electrical energy requirements who desires to use the Company's electrical service as a primary source of supply or who desires the privilege to use the Company's electrical service as an emergency or auxiliary source of supply shall do so under the following conditions:

1. For auxiliary or emergency service, the Customer shall furnish, install and maintain suitable throw-over equipment between the Company's point of delivery and associated metering equipment and the Customer's load. The throw-over equipment is to be connected and arranged so that the load can be transferred from the Customer's independent source of supply to the Company's service or from the Company's service to the Customer's

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independent source of supply. All throw-over and other protective equipment and the wiring arrangement shall be subject to the approval of the Company.

2. Customers providing a supply of power from an isolated power plant or other source of power than that provided by the Company shall not operate such source of power in parallel with the Company's service unless the Company and the Customer enter into a Parallel Operating Service Agreement specifying the terms and conditions of such operation.
3. Auxiliary or emergency service shall be supplied under an available Service Option applicable to the class of service, and in accordance with the Distribution Service Rules and Regulations, except that as part of a Service Agreement with the Company, the Customer shall guarantee to pay to the Company the monthly Contract Capacity Charge contained in such Service Agreement. The Contract Capacity Charge shall be based on the greater of:
  - i. the peak billing kW from the prior 12 months multiplied by the rate per kW specified in the applicable Distribution Service Tariff; or
  - ii. the agreed upon Contract Capacity contained in the Service Agreement multiplied by the rate per kW specified in the applicable Distribution Service Tariff.

E. Use of Electric Energy by Customer

1. The Customer shall, in conformance with the standards contained in the latest revision of the Company's electric booklet entitled "Service Handbook", install motors, apparatus or appliances or devices which are suitable for operation with the character of the service available or supplied by the Company, and which shall not be detrimental to the Company, and the electric power must not be used in such a manner as to cause unprovided for voltage fluctuations or disturbances in the Company's transmission or distribution system. The Company shall be the sole judge as to the suitability of apparatus or appliances to be connected to its lines, and, also, as to whether the operation of such apparatus or appliances will be detrimental to its distribution system.
2. The Company reserves the right at all reasonable times to inspect and test all motors, apparatus, appliances and other devices owned by the Customer which are, or may be,

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connected to the Company's lines. THE COMPANY DOES NOT GIVE ANY WARRANTY, EXPRESSED OR IMPLIED, OR ASSUME ANY RESPONSIBILITY AS TO ADEQUACY, SAFETY, OPERATION OR OTHER CHARACTERISTICS OF ANY MOTOR, APPARATUS, OR OTHER DEVICE SO TESTED. CUSTOMER AGREES NOT TO RELY ON THE RESULTS OF THIS TEST AND INSPECTION FOR ANY PURPOSE.

The Company's authorized agent will, upon request, show his Company identification and state the reasons for requiring access.

3. The Company reserves the right to require the Customer to install at his expense such wiring and equipment as may be necessary to prevent undue interference with the Company's service to other Customers.
4. In case of violation of the above rules, service may be temporarily suspended by the Company until such time as the Customer's use of electric energy furnished hereunder conforms to these Electric Distribution Service Rules and Regulations. The temporary suspension of service by the Company under this paragraph is not a cancellation of the contract.

F. Continuity of Service

1. The Company will endeavor to supply electricity continuously and without interruption, and under all reasonable and normal conditions of operation to maintain the range of voltage and frequency of electricity supplied. The Company shall not be liable to the Customer or anyone else for any damage, loss or injury or otherwise resulting from any failure to supply electricity, or for any interruption of the supply or for variations in voltage and frequency, phase reversal or single phasing of three phase service, when such failure, interruption or variation is due to any of the following causes: accidents and contingencies, short circuits, line or equipment failure, breakdowns, strikes, fires, floods, riots, cyclones, vandalism, explosion, acts of God or nature, acts or orders of The Public Utilities Commission of Ohio, acts or orders of any civil, judicial or military authorities, or any cause beyond the control of the Company.

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2. The Company shall not be liable for any damage or loss which the Customer may sustain due to any interruptions of supply, variations in voltage or frequency, phase reversals or single phasing of three phase service resulting from the use or characteristics of electric equipment and/or appliances of the Customer or other Customers connected to Company facilities.

G. Redundant Service

Any Customer requesting a redundant service connection to the Company's facilities for reliability purposes must pay the Company for the entire cost for providing this redundant service connection and enter into a Service Agreement with the Company as outlined in Section D3 of this tariff. The Company reserves the right to refuse redundant service to any Customer where such redundant service is estimated by the Company to impede or impair current or future Distribution Service to the Customer or any other customer. The Company shall provide the Customer with a written explanation as to why the Company is unable to provide redundant service to the Customer.

H. Conjunctional Service and Resale

Electricity distributed by the Company is for the exclusive use of the Customer on the premises to which such energy is delivered by the Company. Except as provided below, in no case shall service be shared with another, sold to another, or transmitted off the premises.

If Customer's industrial, governmental or commercial establishment contains two or more buildings, and such buildings are separated by street, alley, or railroad right-of-way, and there is no other intervening property under separate ownership and operation, the Customer, at his own expense and responsibility and subject to the approval of the Company, may interconnect such buildings so as to permit the Customer to receive energy for the operation and maintenance of his establishment from one point of delivery with one point of measurement. The privilege herein granted is not transferable and automatically terminates if and when the buildings cease to be a part of a single establishment or are separately owned and operated. All such facilities shall be installed and operated in accordance with the National Electrical Code and all applicable federal, state and local rules and regulations then in effect.

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