

CONTINENTAL DIVIDE ELECTRIC COOPERATIVE, INC.  
FIRST REVISED RULE NO. 4  
CANCELLING ORIGINAL RULE NO. 4

TYPE AND USE OF SERVICE

X (NUMEROUS CHANGES)

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- A. The resale of electric service or the furnishing or sharing of electric service to others by any Customer shall not be permitted, except where such resale or furnishing of service is provided for in the applicable Rate Schedule and covered by written agreement between the Consumer and the Cooperative.
- B. Unless otherwise provided for in the Cooperative's electric Rate Schedules, where highly fluctuating or intermittent loads (such as welding machines, electric furnaces, hoists, elevators, C-rays, and the like) are operated by the Customer, the Cooperative reserves the right to determine the billing demand by averaging the Customer's total maximum load over a 3-minute interval or to increase the 15-minute measured maximum demand by an amount equal to 50% of the rated capacity in kilovolt-amperes (kVA) of the fluctuating equipment operated by the Customer.
- C. To uphold the reliability and stability of its electrical system, the Cooperative reserves the right to mandate the installation of power-factor corrective and/or load-limiting equipment by the Customer.
1. Power-factor corrective equipment – Power-factor corrective equipment is used to enhance the power factor of an electrical system. The power factor measures how efficiently electrical power is utilized shown by the ratio of real power (watts) performing actual work to the apparent power (volt-amperes) supplied to the circuit. A lower power factor indicates higher power waste. This equipment can include capacitors, synchronous condensers, and phase advancers, among others.
  2. Load-limiting equipment is intended to manage and restrict the electrical load that a system or circuit can handle. This helps to control demand and prevent overloads that could damage electrical components or cause power outages. Such equipment can include circuit breakers, fuses, load controllers and current limiters.

These measures mitigate load fluctuations and prevent system voltage disruptions, ensuring the quality of service to all Customers. They also avoid the provision of unnecessary excess capacity and facilities.

ADVICE NOTICE NO. 69



Continental Divide Electric Cooperative, Inc.  
Robert E. Castillo, Chief Executive Officer

**EFFECTIVE**

November 1, 2024

Replaced by NMPRC

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If mandated to install the necessary equipment, the Customer has 90 days. Failure to comply shall subject the Customer to disconnection. When circumstances beyond the Customer's control impact their ability to comply with the timeframe, such as supply-chain issues or weather-related delays, the Cooperative will work with them on a case-by-case basis to provide reasonable accommodations and extensions as necessary to ensure a fair and manageable resolution.

In the event a separate service, transformer installation or additional transformer capacity is required to adequately service such fluctuation loads, the additional service, unless otherwise provided for in the Rate Schedules, will require the Customer to install a separate meter loop at their cost. The minimum rate will be billed on kVA transformer capacity size. Costs to upgrade transformer capacity shall be paid by the Customer as set forth in the Cooperative's Line Extension Policy (Rule No. 7).

- D. The Cooperative will not furnish service for operation in parallel with a Customer's generating facilities when, in the opinion of the Cooperative, such parallel operation may create a hazard, jeopardize the safety of its employees, or impair or interfere with the Cooperative's service to other Customers.

Where the Customer has generating equipment installed, the Cooperative requires the Customer to install all necessary switching and protective devices to prevent the Customer from operating their generating equipment in parallel with the Cooperative's system, and/or prevent a safety hazard on the Cooperative's electric system.

The Cooperative reserves the right to discontinue its service without notice, if the Customer does not comply with these provisions and requirements.

- E. Commercial Power Service will be furnished at the option of the Cooperative under one of the voltage conditions shown below:
1. 120/240-volts 3-wires single phase service
  2. 240-volts 3-wire 3-phase service
  3. Standard 4-wire 120/240-volts delta connected, single and 3-phase
  4. 120/208-volts Y-connected, 4-wire 3-phase service
  5. 27/480-volts Y-connected, 4-wire 3-phase service

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6. 2400V Delta or 2400/4160 Wye service
7. 480-volts 3-wire 3-phase service will be furnished at the option of the Cooperative, if the Customer is presently served with such service or if 480-volts 3-phase secondaries are available on the Cooperative's line, immediately adjacent to the Customer's proposed installation
8. At the available primary voltage of the Cooperative

When a Customer desires service at voltage conditions not identified above, any necessary transformers and accessory equipment required to supply the additional voltage requirement shall be supplied and maintained by the Customer or by the Cooperative under special contract.

- F. The furnishing of substation and transforming equipment shall be as provided for in the applicable Rate Schedule or special contract.
- G. To ensure efficient and safe operation of electrical systems, the Customer's load shall be arranged as follows:
  1. Balanced between the 120-volt legs, with one leg not exceeding 60% of the connected load; and
  2. Between three phases on a three-phase service not to exceed 10% Unbalance (Percent Unbalance = maximum phase current deviation from the average current, multiplied by 100 and divided by the average of the three phase currents).

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