

MID-CAROLINA ELECTRIC COOPERATIVE, INC.

SERVICE RULES AND REGULATIONS

200 SERVICE CONNECTIONS

201 MULTIPLE CONNECTIONS

A member may have any number of service connections under one (1) and only one (1) membership.

Any member desiring additional connections will be required to make applications for each and such applications must be in compliance with Section 100 (part 101). A separate contract may be required for each meter.

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202 SEPARATE METERING

Rates for each class of service are based upon the delivery of electricity to a single metering point. Each residence or premise will be separately metered and billed according to its class.

A single residence with outbuildings used solely for residential or farming operations may be served by a single metering point. This does not include the processing of agricultural, dairy, poultry, and meat products, or any commercial enterprise.

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203 GENERAL WIRING REQUIREMENTS

The member or his contractor shall install the service entrance at the nearest accessible point of connection with the Cooperative's distribution lines. In all cases, the location of the point of service must meet the Cooperative's approval prior to connection of services. Failure to obtain prior approval for the location of the service may result in additional charges to the member.

Each member shall cause all premises receiving electric service pursuant to his membership to become and remain wired in accordance with the specifications and requirements of the Cooperative, the National Electrical Code and the National Electrical Safety Code and any requirements of local government agencies having jurisdiction over the premises. In all cases, the maximum length of service(s) supplied by the Cooperative will be based on good engineering practices. (Refer to Appendix for Cooperative's wiring specifications.)

All connections must be equipped with suitable service entrance facilities adequate to handle the load. The Cooperative does not furnish a panel for use inside or outside of any connection.

All single phase meter bases shall be furnished by the member or his contractor and shall be a type approved by the Cooperative. All three phase meter bases shall be furnished by the Cooperative. All meter bases (except three phase bases mounted by the Cooperative to its equipment) shall be installed and maintained by the member or his contractor in accordance with requirements of local government agencies having jurisdiction over the premises, present or future, and in compliance with the National Electrical Code. All meter bases must be placed ahead of all members' switches, junction boxes, fuses and installed in such a manner and location that the meters will not be unreasonably exposed to damage or unduly dirty. Meters will not be located or built around so as to be enclosed within a structure (screen porches, rooms, etc.); therefore, being readily accessible for reading and servicing at any reasonable hour. Meters remain the property of the Cooperative

All three phase services and single phase CT type services, unless otherwise approved by the Cooperative, shall be equipped with a pad-locking type, externally mounted disconnect. The disconnect is to be provided, installed, and maintained by the member and readily accessible to Cooperative personnel for the purpose of safely and securely disconnecting service.

The member shall provide, install and test all necessary wiring because no additional materials or tests will be provided or conducted by the Cooperative upon meter installation.

In all cases, the Cooperative will specify the type meter equipment required.

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204 MEMBER EQUIPMENT

A. Electric Motors

The maximum permissible size depends upon the member's location on the distribution system and the capacity of the circuit. The Cooperative should always be consulted on all three phase connections.

All motors should be provided with devices that will protect the motor against overload or short circuit. All three phase motors shall have overload devices on each of the three phase wires to insure proper protection for the motor in accordance with the latest edition of the National Electrical Code. Motors that cannot be safely subjected to full voltage at starting should be provided with a device to insure that, on the failure of the supply voltage, the motor will be disconnected from the line.

Because the possibility exists of single phasing on three phase circuits, it is recommended that members install single phasing protective devices where their three phase equipment may be damaged by single phasing. The Cooperative will not be responsible for damages resulting from single phasing of three phase services.

B. Electric Generators

Where auxiliary or breakdown service is installed by the member to provide emergency or standby power, parallel operation of the member's generating equipment with the Cooperative's system will not be allowed. Refer to Section 212 for information on standby power generating systems.

C. Electric Welders and Miscellaneous Devices

Members desiring to operate electric welders or other devices with high inrush or fluctuating currents must supply the Cooperative with information regarding the electrical characteristics of the equipment. Service will not be allowed to equipment that adversely affects the Cooperative's equipment or the service to other members. The Cooperative must be consulted before the purchase or installation of the equipment.

D. Member Responsibility

All such required protection equipment shall be installed at the cost of the member.

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205 THREE PHASE SERVICE

Three phase service will be furnished if the facilities are available or the load requirements warrant. If under the Cooperative's existing rates three phase service is determined not to be economically feasible for the Cooperative, then this service would be extended under the following condition:

The applicant must pay the Cooperative the actual difference up to one thousand (1,000) feet of single phase service and the actual cost of three phase service.

When three phase service is furnished, the member will at all times maintain a reasonable balance of load between the phases.

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206 POWER FACTOR CORRECTIONS

The maintenance of high power factor is of primary importance in the economic operation and maintenance of the distribution system. Under-loaded motors contribute largely to the creation of low power factor unfavorable to both the Cooperative and the member.

Where the average monthly power factor of the member's load is less than 85%. the Cooperative reserves the right to measure the power factor at any time. If the member does not correct the power factor to 85% or greater, then the Cooperative will adjust the billing determinants to reflect a power factor of 85%.

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207 CHANGE IN CHARACTER OF SERVICE

In order to provide proper service and metering equipment, it will be the member's responsibility to advise the Cooperative of any increase, decrease, or change to the nature of the load, in sufficient time for the Cooperative to make the required changes if necessary.

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208 COOPERATIVE RESPONSIBILITY

The responsibility of the Cooperative for installation and maintenance of electrical service connections will normally not extend past the point of service to the member's premises unless load management equipment is installed or to perform voltage checks.

No Cooperative employee shall be permitted to conduct tests or provide services beyond the point of service unless on load management equipment or to perform voltage checks.

Connecting service will in no way be an indication that the Cooperative has approved the member's installation and wiring.

The member shall save the Cooperative harmless from any claims or suits that may arise, occur, or result from the member's distribution and control of electrical service supplied by the Cooperative.

Members are responsible for taking appropriate action to protect their home or business when service is connected. Payment in full of an account terminated for non-payment is considered a request for reconnection of service.

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209 RESTRICTIONS ON USE OF SERVICE

The Cooperative reserves the right to impose reasonable restrictions on the use of electrical service during periods of shortage of supply, excessive demand, or any difficulty which may jeopardize the supply of service to any group of members. The above restrictions may also be imposed upon local governmental request.

Electrical service may be restricted to members who create conditions that prevent the Cooperative from supplying satisfactory service to that member or any other members. The Cooperative shall not be required to supply service to such members under the above conditions.

Where practical, notification of restriction of service will be given to the affected member(s).

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210 FACILITIES AND RELOCATION

All service facilities and related equipment installed by the Cooperative shall remain the sole property of the Cooperative and shall not become a part of the property or premises to which said facilities are attached or on which said facilities are constructed.

In the event the present location of the Cooperative's poles and/or lines seriously or unreasonably restrict or limit the use of the property on which they are located, the Cooperative will, upon written request by member/property owner, reasonably relocate such facilities with no cost to the member/property owner. Other such facilities may be relocated upon written request of the member/property owner agreeing to and paying in advance for reasonable charges to defray the actual cost of such relocation.

When a member requests additional services, relocation of a service installation or conversion of an above ground service installation to underground, the member shall be responsible for marking and informing the Cooperative and its contractors of all underground installations and obstacles on the member's property that might affect the installation or relocation of the Cooperative's facilities. The member shall also be responsible for any costs in aid of construction incurred because of unusual soil or other conditions making the relocation or installation more expensive than standard. The member shall sign terms acknowledging the member's responsibility and possible payment in aid of construction as provided in Appendix 600 to these Service Rules and Regulations, Electric Service Installation Terms.

The member automatically and irrevocably grants an easement to the Cooperative to maintain, service, and keep clear a reasonable area above and around the Cooperative's facilities and equipment installed on a member's premises as required by the bylaws.

For more information see SRR 503, 504 and 505.

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211 TEMPORARY SERVICE POLES

Temporary poles for attachment of service wires and metering equipment shall be furnished and installed by members who have new buildings under construction or who are reconstructing a building.

The temporary service pole shall be constructed in accordance with the National Electrical Code, the National Electrical Safety Code, and applicable Cooperative specifications. (Refer to Appendix for temporary service pole specifications.)

In addition to the normal meter base, the temporary service pole shall have a current protected service panel and necessary convenience outlets for use by the members.

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212 STANDBY POWER GENERATION SYSTEMS

As stated in Section 100 (109), the Cooperative does not guarantee continuous and uninterrupted service. For those members requiring electric power, such as dairy farms, environmentally controlled chicken houses, life support systems, etc., it is strongly recommended that the member provide his own standby power generation system for use during power outages. The standby system must meet the following requirements (also see wiring diagram in the Appendix section for single phase 120/240 volt installation of standby generator with double-throw safety switch):

1. A double-throw transfer switch must be installed to prevent the standby generator from feeding power back on primary lines thereby creating a very hazardous condition. Such a condition could produce high voltage on the primary line and seriously endanger the lives of persons doing line maintenance work.
2. The installation must also meet the requirements of the National Electrical Code and the National Electrical Safety Code as well as any local ordinances.

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213 SECONDARY LIGHTNING ARRESTER

Upon request, the Cooperative will install a secondary lightning arrester on single phase or three phase services. Single phase arresters can be installed at the point of service attachment or on the meter base. Three phase arresters will be installed at the transformer.

Applicable service charges will be incurred for parts and labor.

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214 GROUNDING

The standard meter installation at the member's premise specifies that an approved eight (8) foot ground rod be used. Occasionally, due to varying circumstances, additional grounding is necessary. The Cooperative recommends the practice of grounding metallic water systems for additional protection.

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215 INTERCONNECTION OF DISTRIBUTED RESOURCES

Any distributed resource including generators or energy storage facilities up to 10 MVA that can be connected and operated in parallel with the Cooperative's distribution system must meet certain requirements to assure safety and protect the property of the Cooperative, its agents, employees and contractors, the distributed resource's owner, and the public. These requirements are set forth in either the "Standard for Interconnecting Distributed Resources less than 2 MVA with Electric Power System" or "Standard for Interconnecting Distributed Resources of 2 MVA to 10 MVA with Electric Power System". Facilities larger than 10 MVA will be handled on a case-by-case basis.

Interconnection does not obligate the Cooperative to purchase electric energy from the owner of the distributed resource. Central Electric Power Cooperative may purchase any electric energy and capacity made available by a qualifying operator of a distributed resource. The Cooperative will provide supplementary, backup, maintenance and interruptible power in accordance with the current applicable rate schedule.

The Cooperative shall review this policy at least once every five years.

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216 AREA COVERAGE – CONTRIBUTIONS IN AID OF CONSTRUCTION

The Cooperative will extend single phase service to permanent residences within its service area requiring normal electric service on a year-round basis at its regularly established rates. In any case where a requested service will require construction of unusual or special facilities not normally or customarily required, the member must pay, in advance, the additional cost to be incurred in extending such facilities. In any case where the Cooperative determines there is a reasonable doubt of continued occupancy and use of service on the premises, the member must pay, in advance, the cost to be incurred in extending any facilities to provide the service.

For requested non-permanent and seasonal services that do not produce sufficient revenue to support the expenditure required for any new service facilities, the Cooperative shall determine in each case a reasonable amount in aid of construction which must be paid, in advance by the member.

Three phase services will be extended under Section 205.

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217 THREE PHASE SERVICE – IRRIGATION (RATE U)

Electric service facilities will be extended to new three phase irrigation loads upon advance payment of a Contribution-in-aid of Construction. Any part(s) of overhead line extensions and upgrades that are included in current or future planned projects for the benefit of the MCEC system will not be included in cost to the member. The required contribution will be based on the sum of the following:

- Seventy five percent of the remaining cost of overhead line extensions and/or upgrades.
- Seventy five percent of the cost of transformer(s) required for service.
- Entire cost of underground line extensions or upgrades.