

Rule No. 2

DESCRIPTION OF SERVICE

A. General

1. Service described hereunder may be obtained by any person or agency by making application in accordance with Rule No. 3 and, if required, by signing a contract in accordance with Rule No. 10. Each Applicant will also be required to establish credit in accordance with Rule No. 12. Applicant will be informed as to the conditions under which service will be established if the requested service requires a Utility installation beyond that specified for a service connection in Rule No. 16.
2. The type of service available at any particular location should be ascertained by inquiry at the local Utility office.
3. It is the responsibility of the Applicant to ascertain and comply with regulations of governmental entities having jurisdictional authority.
4. Alternating current service of approximately 60 hertz is regularly supplied.
5. Voltages referred to in these tariffs are nominal and refer either to voltage between energized conductors and ground, or to voltage between energized conductors.

B. Service Delivery Voltages

1. The following are standard service voltages, however, not all voltages are or can be made available at a given service delivery point:

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DESCRIPTION OF SERVICE  
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B. Service Delivery Voltages (Continued)

<u>Distribution Voltages</u>			<u>Transmission Voltages</u>
<u>Single-Phase Secondary</u>	<u>Three-Phase Secondary</u>	<u>Three-Phase Primary</u>	<u>Three-Phase</u>
120/240 3-Wire	120/240 4-Wire*	Contact local	Contact local
120/208 3-Wire*	120/208 Y 4-Wire	Utility office.	Utility office.
	277/480 Y 4-Wire		

\*Limited availability - subject to Utility approval.

2. Voltages greater than 600 volts but less than 25,000 volts are defined as primary distribution voltages. Service at primary distribution voltages may be available on request subject to Utility approval.
3. Voltages of 25,000 volts and above are defined as transmission voltages. Service at transmission voltage may be available on request subject to Utility approval.
4. Where the Applicant desires voltage control within unusually close limits beyond that supplied by the Utility in the normal operation of its system, the Applicant, at his own expense, is responsible for installing, owning, operating, and maintaining any special or additional equipment on the load side of the point of delivery.

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(Continued)C. General Load Limitations

## 1. Single and Three-Phase Secondary Service

Service Configuration		Maximum Demand
Nominal Voltage	Phase	kW
120/240	1 $\emptyset$	150
120/208	1 $\emptyset$	150
120/208Y	3 $\emptyset$	*
120/240	3 $\emptyset$	*
277/480Y	3 $\emptyset$	*

\*Contingent upon transformer KVA size limitations

Note: Not all of the above voltages are or can be made available at a given service location. It is the responsibility of the Applicant to consult the local Utility office to ascertain the service configuration(s) available at the location in question.

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C. General Load Limitations (Continued)2. Load Balance

A customer's connected load must be balanced as nearly as practicable between energized conductors. In no case shall the difference in amperage between two energized conductors on a secondary service exceed 10 percent or 50 amperes, whichever is greater. The difference between the load on a lighting phase of a four-wire delta service and the load on the power phases may exceed these limits.

3. Protective Devices

- a. Loads connected to a service shall have sufficient protective devices, installed and maintained at the customer's expense, to prevent damage to equipment during routine conditions that may include sudden loss of voltage, sudden re-energization, opening of one or more phases, and voltage or current fluctuations or variations.
- b. It is the responsibility of the customer to furnish, install, and maintain at his expense any protective devices necessary to coordinate with Utility's protective devices to avoid exposing other Utility customers to unnecessary service interruptions.
- c. The connection and operation of customer owned generation facilities in parallel with the Utility's system will be governed by the requirements of Rule No. 15.

4. Interference With Service

The customer shall not connect load to his service that introduces abnormal currents, voltages, and/or frequencies to the Utility's system or to communication facilities, or that interferes with a normally acceptable quality of service to any other customer. Upon notification by the Utility that one of the above conditions exist,

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C. General Load Limitations (Continued)

4. Interference With Service (Continued)

the customer shall either discontinue use of the load causing the interference with service or install and maintain, at his expense, the corrective measures necessary to reasonably limit the interference with service. If the customer fails to take corrective measures in a timely manner and continues to use the load causing the interference with service, the Utility may terminate service after prior notice in accordance with Rule No. 6 of these Rules and Regulations. Customer shall contact the local Utility office for maximum allowable motor starting currents.

5. Power Factor Correction

The customer shall provide, at his expense, the necessary power factor corrective equipment to maintain a power factor of at least 90% lagging unless a power factor adjustment is being applied for billing purposes in accordance with appropriate rate schedules.

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