

**A7. Available Service Voltages****SVM**1. AVAILABLE SERVICE VOLTAGES

The company furnishes 60 hertz alternating current, single and three phase, at various voltages, but not all types of service are available at every location.

The company shall be consulted as to the type of service available in any area before wiring layouts are made, equipment is purchased, or when extensive wiring changes are contemplated. Information about the standard nominal service voltages effective for any specific location is available at the company's office in that locality.

The types of service and nominal voltages furnished are listed below. Unless excluded below, a customer may be provided additional service(s) if the upper demand limitation would be exceeded at his existing services due to the load addition. For example, a customer with an existing 120/208 volt three-phase service with a 500 Kva demand would not be allowed a second service unless the load being added would result in a total demand of over 750 Kva if served at the existing service location. All electrical code restrictions must be met regarding additional services.

Three phase service is available to customers with an existing single-phase only service (1.a. or 1.b. below) regardless of demand on the existing service.

a. Single Phase, 120/240 Volt, Three Wire

This service is available to customers whose demand will not exceed 800 amp (200 Kva). This service is not available in areas designated as "120/208 volt areas" or where the customer has an existing service.

b. Single Phase, 120/208 Volt, Three Wire

This service is available in areas designated as "120/208 volt areas" and where the customer demand will be 200 amp (50 Kva) or less. This service is not available where customer has an existing service.

c. Three Phase, 480 Volt, Three Wire

Closed to new customers

Existing customers with this voltage or 240 volt, 3 phase, 3 wire delta, will be allowed to increase their demand at this voltage at the existing location up to the existing main switch rating, not to exceed 1500 Kva.

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- d. Combination Single Phase and Three Phase, 120/240 Volt, Four Wire Delta  
This service is available to customers whose combined single phase and three phase demand will not exceed 75 Kva and a one mile or longer phase extension would be required to bring in the third phase. Existing customers who were furnished this voltage prior to January 16, 1980, will be allowed to increase their demand at this voltage up to a maximum of 500 Kva combined demand.
- e. Combination Single Phase and Three Phase, 120/208 Volt, Four Wire Wye  
This service is available to customers whose demand will not exceed 2000 amp (750 Kva).
- f. Combination Single Phase and Three Phase, 277/480 Volt, Four Wire Wye  
This service is available to customers whose demand will not exceed 3000 amp (2500 Kva).
- g. Combination Single Phase and Three Phase, 2400/4160 Volt, Four Wire Wye  
This service is available to customers whose demand will exceed 1000 Kva but will be less than 5000 Kva.
- h. Combination Single Phase and Three Phase, 14,400/24,940 Volt, Four Wire Wye  
This service is available to customers whose demand will exceed 1000 Kva.

**2. UNDERGROUND SERVICES**

- a. From Pole Transformer Setting  
The voltages specified in Section 1.a. through 1.g. are available to customers whose demand will not exceed 800 amp, subject to the limitations set forth in those rules.
- b. From Padmount Transformer Setting  
The voltages specified in Section 1.a., 1.b., 1.e., 1.f. from a minimum demand of 100 amp (75 Kva) up to 1800 amp (1500 Kva) demand, 1.g. up to 400 amp (2500 Kva) demand, and 1.h. are available subject to the limitations set forth in those rules. The voltages specified in Sections 1.c. and 1.d. may be available under special circumstances.

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3. SPECIAL FACILITIES

Customer request for additional services or service which doesn't conform to these rules shall be treated as "special facilities" for which the customer is obligated, in accordance with extension rules, for any added costs involved. The company reserves the right to deny special facilities.

4. EXCEPTIONS TO ABOVE RULES

Exceptions to the above rules may be made when clearly warranted due to unusual engineering or economic circumstances.

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