

**A. Service in Areas Supplied by Underground Facilities**

In areas supplied by the District's underground facilities located in the public right-of-way or immediately adjacent to the customer's premises, the District will, at its expense, extend an underground service connection to facilities provided by the customer, at a point designated by the District, subject to the following:

1. Residential Installations; Secondary Service

a. Residential Subdivisions Where Service is Extended Under Rule No. 15, Section F.2 or F.3.a.

The customer will furnish and install and the District will own and maintain underground conduits and service conductors to the customer's service equipment panel provided the customer meets the provisions of the prevailing District standard titled "Minimum Requirements for Terminating Residential Underground Electric Services" located in the District's Electric Service Guides.

b. Individual Residential Premises and Apartments and Mobile Home Parks Where the Customers are Primarily Subject to the District's Rate Schedule D

1) The District will own and maintain service conductors to the customer's service equipment panel provided the customer supplies and installs all necessary conduits, substructures and service conductors to District specifications to a point designated by the District, and has made satisfactory arrangements for extension of District facilities under Rule No. 15.

2) The District may, at its option, require that certain multi-unit complexes be served by means of one or more pad-mounted transformers. In these circumstances the primary system and transformer(s) will be installed under paragraph 2.b below and the secondary services will be supplied under paragraph 1) above.

2. Service to Commercial, Industrial and Agricultural Installations

a. Installations with Demand Less than or Equal to 75 kVA

Installations which, in the opinion of the District, will have a demand less than or equal to 75 kVA will be supplied by the District provided the customer installs and maintains all necessary conduits and conductors along with pull boxes or splice boxes required by the District to a point designated by the District. Normally, the point designated will be at the customer's property line at a location most convenient to the District's facilities.

b. Installations with Demand Greater than 75 kVA

1) Installations which, in the opinion of the District, will have a demand in excess of 75 kVA will be supplied by the District provided that the customer provides a site for either a totally enclosed, pad-mounted transformer or outdoor transformer station enclosure, or provides an indoor transformer room or vault. Site selection and related improvements shall be according to specifications prescribed by the District.

2) The customer will also be required, in general, to do the following at the customer's expense:

a) Construct the concrete pad and grounding system for the transformer(s).

b) Construct the enclosure, if required.

c) Supply, install and maintain the necessary conduits and pull boxes between points designated by the District.

d) Supply, install and maintain the secondary cable or busway system. The actual connection at the transformer secondary terminals will, in all cases, be made by the District.

3) If the length of the required service exceeds 150 conduit feet, the customer shall pay to the District, in advance of installation, a non-refundable sum equal to its estimated cost of the primary installation in excess of 150 feet, per Rule 15, Section E.2.

4) Where special conditions exist, the District, at its option, may elect to serve installations with demands in excess of 75 kVA directly at secondary voltages without the installation of a transformer on the customer's premises.

c. Primary Cable Service

Whenever, in the opinion of the District, adequate service requires and it is practical to do so, the District will install a primary cable service on the customer's premises subject to the following:

1) The customer shall install, own and maintain a conduit system to District specifications between a point designated by the District and the customer's service equipment. Normally, the point designated will be at the customer's property line at locations most convenient to the District.

2) If the length of the required service exceeds 150 conduit feet, the customer shall pay to the District, in advance of construction, a non-refundable sum equal to its estimated cost of the primary installation in excess of 150 feet, per Rule 15, Section E.2.

**B. Service in Areas Supplied by Overhead Facilities**

In areas supplied by the District's overhead facilities located in the public right-of-way or immediately adjacent to the customer's premises, the District, at its option, may elect to grant underground service under Section A of this Rule or, at its expense, to extend overhead service to the customer's service equipment at a point designated by the District, subject to the following:

1. Residential Installations; Secondary Service

Overhead Service will be provided to Individual Residential Premises, Apartments and Mobile Home Parks where the District's Rate Schedule D is primarily applicable, subject to the following:

- a. The District will install, own and maintain an overhead service, at its expense, provided the customer's service equipment meets the District's specifications.
- b. If the length of the service in paragraph a above exceeds 200 feet as measured along the shortest practical route from the customer's property line or the District's transformer pole, if located on the customer's property, to the customer's service equipment, the customer shall pay to the District, in advance of construction, a non-refundable sum equal to the District's estimated cost of such overage.

2. Commercial, Industrial, and Agricultural Installations

a. Installations with Demand Less than or Equal to 75 kVA

For installations which, in the opinion of the District, will have a demand of less than or equal to 75 kVA, the District will, at its expense, install, own and maintain an overhead service provided:

- 1) That the customer's service equipment meets the specifications of the District.
- 2) If the length of the service in paragraph 1) above exceeds 100 feet as measured along the shortest practical route from the customer's property line or the District's transformer pole, if located on the customer's property, to the customer's service equipment, the customer shall pay to the District, in advance of construction, a non-refundable sum equal to the District's estimated cost of such overage.

b. Installations with Demand Greater than 75 kVA

- 1) Installations which, in the opinion of the District, will have a demand in excess of 75 kVA will normally be supplied under the provisions of Section A.2.b above.

c. Primary Overhead Service

Whenever, in the opinion of the District, adequate service requires and it is practical to do so, the District will install a primary overhead service on the customer's premises, subject to the following:

- 1) The location and design of terminal and metering facilities shall be as per District specifications.
- 2) If the length of the required service exceeds 150 feet, the customer shall pay to the District, in advance of construction, a non-refundable sum equal to its estimated cost of the overage.
- 3) For Agricultural installations that are not primary metered, the following conditions shall apply:
  - a) If the length of the required service exceeds the allowance as defined in Rule 15, Section G.3, the customer shall compensate the District under the provisions of Rule 15, Section G.3 for the excess.
  - b) The secondary service will be supplied under the provisions of paragraph B.2.a or B.2.b above, whichever is applicable.

3. Commercial and Industrial in the Downtown Improvement District

The City of Modesto has designated a portion of the Downtown Modesto area as the "Business Improvement District" or "Downtown Improvement District." Within this area, the District requires all new, modified, or upgraded commercial electrical service equipment normally served from overhead lines to be converted to connect to underground lines. Secondary service voltage within this area will be 208Y/120 volt or 480 volt, three-phase four wire or 208Y/120 volt single-phase three wire.

- a. The customer will be required to supply and install all secondary conduits, pull boxes, and secondary service conductor from the customer's electrical main to the customer's property line at a location approved by the District.
- b. Electrical loads in excess of 75 kW demand will normally be served from a high voltage pad-mount transformer. With this installation, the customer will be required to supply and install the transformer pad, primary conduit, secondary conduit and secondary conductor. The customer may be required to provide easements to the District to provide access to the District's equipment once it is installed.
- c. Residential secondary overhead services within this area are exempt from this Rule. Residential customers may upgrade or modify their electric service equipment and maintain the existing overhead 120/240-volt single-phase three wire service.

**C. Temporary Services**

Temporary services, including services to installations of a speculative nature or of questionable permanency, shall be provided under Rule No. 13.

**D. Electrical Service Inspections**

1. No new or newly rewired electrical service installation will be energized by the District without a signed electrical inspection tag from the governing electrical inspection authority.
2. If, in the case of installations owned or regulated by certain public agencies, the governing inspection authority declines jurisdiction, the District will require an inspection tag signed by a California State Registered Engineer or by a person authorized by the public agency owning or regulating the installation.
3. The District will make a maximum of two (2) trips to installations requiring a new underground service. The purpose of the first trip will be to inspect the service trench and conduit. The purpose of the second trip will be to ensure that the proper inspection tags are in place and to install the meter. If additional trips are required because customer installed facilities are not ready for inspection, or do not pass inspection, the District will bill the customer for each additional inspection in the amount of the Inspection Fee listed in Appendix A.
4. The District will make a maximum of one (1) trip to installations requiring a new overhead service. The purpose of the trip will be to make sure that the proper inspection tags are in place, and to install the service conductor and meter. If additional trips are required because customer installed facilities are not properly installed, not ready for inspection, or do not pass inspection, the District will bill the customer for each additional inspection in the amount of the Inspection Fee listed in Appendix A.
5. If the inspection by the local governing authority is more than six (6) months old, the District will require a re-inspection prior to energizing the service.

**E. Service Connections**

1. The District will not connect to any one building or premise, more than one service for each voltage classification, either overhead or underground, except:
  - a. For the District's operating convenience.
  - b. Where such additional services may be warranted because of load requirements. See Rule No. 18 D.2.c.
  - c. Where the customer is required by law to have certain emergency services.
2. Connection of service to, or disconnection from, the District's lines shall be made only by authorized employees of the District.

**F. Ownership of Facilities**

1. All facilities installed on a customer's premises, including, but not limited to poles, conductors, transformers, meters, etc., which are furnished by the District in order to render service, shall remain the sole property of the District.
2. The customer shall not charge the District rent or any other charge for the facilities placed on the customer's premises.

**G. Right of Access**

1. The District shall have the right of access to the customer's premises, without payment of any charge therefore, at all reasonable hours for any purpose related to the furnishing of electric service, including, but not limited to meter reading, testing, inspection, construction, maintenance and repair of facilities.
2. Service may be refused or disconnected pursuant to Rule No. 11 if permanent accessibility is not provided by the customer.
3. Upon termination of service, the District shall have right of access to the customer's premises to remove its facilities installed thereon.

**H. Service Metering Installations**

1. General Metering Requirements

The District's metering requirements are, in general, those of the Electric Utility Service Equipment Requirements Committee (E.U.S.E.R.C.). Contact the District for specific details.

2. Location

- a. All meters and metering equipment will be supplied and installed by the District upon the customer's premises at a location approved by the District.
- b. All meters shall be accessible to authorized employees of the District at all times for inspection, testing and reading. Normally, meters for single occupancy buildings shall be located on the ground floor and meters for multiple occupancy

buildings shall be grouped at one location and located at the ground floor. Grouped meter locations for high rise buildings, as defined in the Uniform Building Code, may be permitted on one or more floors upon approval by the District.

- c. The District may require a customer to relocate a metering installation, at the customer's expense, if an existing meter location becomes inaccessible.

3. Sealing

The customer shall furnish a suitable means for the District to place its seal on the main switch and on the meter and any other enclosure which contains unmetered service conductors.

**I. Customer Responsibility for Facilities**

1. The customer shall exercise reasonable care to prevent facilities of the District installed on the customer's premises from being damaged or destroyed and shall refrain from tampering or interfering with such facilities, and if any defect therein is discovered by the customer, the customer shall promptly notify the District thereof.
2. The customer shall, at the customer's sole risk and expense, furnish, install, inspect, and keep in good and safe condition all electrical facilities required for receiving electric energy from the lines of the District, regardless of the location of the transformers, meters, or other equipment of the District, and for utilizing such energy, including all necessary protective devices and suitable housing therefore, and the customer shall be solely responsible for the transmission and delivery of all electric energy over or through the customer's wires and equipment, and the District shall not be responsible for any loss or damage occasioned thereby.

**J. Rewires**

1. This Rule applies to the replacement of meter panels that are damaged or unsafe due to age, power diversion, vandalism, or other reasons, and to panels that are being upgraded for any reason.
2. This Rule applies to all residential, commercial, or agricultural meter panels and to all customers who are replacing a non-metered service with a metered service.
3. Customers will be required to pay a Rewire Fee according to Appendix A of these Rules.
4. All panels which require replacement shall adhere to the most current Electric Service Guides' requirements for panel, service conductors and conduit. District may authorize exceptions for direct replacement (same ampacity) of meter panel; however, no exception for power diversion.
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