655 W. Broadway, Suite 1410

San Diego, CA 92101

Cancelling

Revised Original Cal. P.U.C. Sheet No. Cal. P.U.C. Sheet No. 9076-W 6767-W

Rule No. 16 Sheet 1 SERVICE CONNECTIONS, METERS, AND CUSTOMER'S FACILITIES

A. General Service to Previously Unserved Premises Abutting Existing Distribution Mains

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- 1. Connections That Are the Utility's Responsibility
 - a. Location of Connection

- 1. In urban areas where existing distribution mains are within dedicated front streets, rear service roads, or public utility easements and a previously unserved Premise abut such a street, service road, or public utility easement, the utility will furnish and install the service pipe, curb stop, meter and meter box at for the purpose of connecting its distribution system to the customer's piping. The service connection, curb stop, meter and meter box will be installed at a convenient place in the sole discretion of the utility between the property line and the curb, or inside the customer's property line where necessary.
 - (C)
- 2. In areas which do not have dedicated front streets, rear service roads, or public utility easements and a previously unserved Premise abuts a distribution main, the utility will furnish and install the service pipe, curb stop, meter and meter box for the purpose of connecting its distribution system to the customer's piping. The service connection curb stop, meter and meter box will be provided at a convenient point on or near the customer's property in the sole discretion of the utility but in no case to a point beyond the service area.
- b. Size of Service Pipe (C) (N)

The minimum size of service pipe installed pursuant to this section A by the utility will not be less than 3/4-inch nominal size. The maximum size of service pipe installed by the utility pursuant to Section A.1 will be2-inch nominal.

- 1. Premises will be presumed to require the minimum pipe size. Installation of a larger service pipe will only be in accordance with; plans stamped by a licensed California engineer or a licensed California architect at the written direction of a fire or building official with jurisdiction over the Premise; of in the discretion of the utility if necessary to meet the minimum service requirements of General Order 103A.
- 2. Service to Premises requiring a service pipe larger than 2-inch nominal shall be deemed additional service for the convenience of the customer, and the provision of such a service will be as specified in Section A.2 of this Rule.
- c. The service connection will determine the point of deli every of water service to the customer.
- 2. Additional Service for the Convenience of the Customer (C)

Where a customer desires one of more connections: larger than 2-inch nominal in size; for private fire protection service; for temporary service; additional connections because of division of land ownership when the land before division was receiving service; other changes made at the request and for the convenience of the customer; or as otherwise provided in the utility's main extension rules, said service shall be deemed for the convenience of the customer for the purposes of this Rule and subject to service under Section A.1 of this Rule.

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Sheet 2

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655 W. Broadway, Suite 1410 San Diego, CA 92101

Rule No. 16 SERVICE CONNECTIONS, METERS, AND CUSTOMER'S FACILITIES

- A. 3. Installation only duly authorized employees or agents of the utility will be permitted to install a service pipe from the utility's main to the location of the service connection. The connection from the meter to the customer's piping will be made by the utility, provided, however, that if the customer's piping requires repair or replacement, the connection may at the option of the utility, be made by the customer or his agent.
- B. Customer's Responsibility for all Services
 - 1. Condition Precedent to Receiving Service

The Customer as a condition precedent to receiving service shall:

- a. Pay required charges as specified in Section B.2.
- b. Furnish and lay the necessary piping to make the connection from the service connection to the place of consumption and shall keep such piping in good repair in accordance with such reasonable requirements of the utility as may be incorporated in its rules herein.
- Provide a main valve ion the piping between the service connection and the point of customer use.
- d. Where service is to be rendered at or near the service area boundary for use beyond the service area, install, operate, and maintain the facilities necessary to provide service.
- e. The customer's piping shall extend to that point on the curb line or property line of easiest access to the utility from its existing distribution system or requiring the least extension of the existing distribution main. The utility shall be consulted before installation thereof and its approval of location secured
- 2. Charge for Service Connections
 - a. For services provided by the Utility under Section A.1 of this Rule, the customer shall pay the Facility Fee as specified in Schedule CA Fees, as well as any special Facility Fees applicable to the Premises as specified in the applicable tariff sheet as the sole costs for making a connection pursuant to this Section A.
 - b. For services provided for the convenience of the customer, the customer shall pay;
 - 1. The Facility Fee as specified in Schedule CA Fees;
 - 2. Any Special Facilities Fee applicable to the Premises as specified in the applicable tariff sheet;
 - 3. The cost to install the desired service less the utility's estimated cost to install a comparable 2-inch nominal service
- 3. Ownership and absence of Rental Obligation Where Facilities Are on Premise of Customer
 - a. The service pipe, curb stop, meter, and meter box furnished by or on behalf of the utility and located wholly or partially upon a customer's premises are the property of the utility.
 - b. No rent or other charge will be paid by the utility where the utility-owned service facilities are located on a customer's premises.

(N)

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9078-W 6769-W

Rule No. 16 Sheet 3 SERVICE CONNECTIONS, METERS, AND CUSTOMER'S FACILITIES

B. 4. Access to Premises of Customer

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The utility shall at all reasonable hours have access to meter, service connections and other property owned by it which may be located on customer's premises for purposed of installation maintenance, operation or removal of the property at the time service is to be terminated. The customer's system should be open for inspection at all reasonable times to authorized representatives of the utility.

- 5. Responsibility for Loss or Damage.
 - a. The utility will not be responsible for any loss or damage caused by any negligence or wrongful act of a customer or of a customer's authorized representatives in installing, maintaining, operating or using any or all appliances, facilities, or equipment for which service is supplied.
 - b. The customer will be held responsible for damage to utility's meter and other property resulting from the use or operation of appliances and facilities on customer's premises, including but not limited to damage caused by steam, hot water, or chemicals.

6. Pump and Boosters

When a customer receiving services at the utility's main or service connection must, by means of a pump of any kind, increase the pressure of the water received, the pump shall not be attached to any pipe directly connected to the utility's main or service pipe. Such pumping or boosting of pressure shall be done, at the option of the utility, either:

- a. From a sump, cistern or storage tank which must be served through an air gap connection, or
- b. From a connection of an approved backflow preventer plus a device approved by the water utility to prevent the booster pump from drawing the utility's system pressure below 20 psig.

This requirement shall not apply to American Water Works Association (AWWA) class 2 Fire Protection systems, except as provided for in the Information Bulletin issued by the Office of State Fire Marshal on December 10, 1984.

AWWA Class 2 Fire Protection Systems have direct connection from public water mains only; no pumps, tank, or reservoirs except that booster pumps may be installed in the connections from 111e street mains to the fire protection systems; no physical connection from other water supplies; no antifreeze or other additives of any kind, all sprinkler drain discharging to atmosphere, dry wells, or other safe outlets.

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Rule No. 16 Sheet 4 SERVICE CONNECTIONS, METERS, AND CUSTOMER'S FACILITIES

Cross-Connections

1. Protective Regulation

No physical connection between the potable water supply system of the public utility and that of any other water supply or source of actual or potential contamination will be permitted except in compliance with the regulations of the State Department of Public Health contained in Title 17, Sections 7583-7605 of the California Code of Regulations under "Regulations Relating to Cross-Connections."

2. Backflow Preventers Required

The utility will evaluate the degree of potential health hazard to the public water supply which may be created as a result of conditions existing on a user's premises. As a minimum, the evaluation will consider: the existence of cross-connections, the nature of materials handled on the property, the probability of a backflow occurring, the degree of piping system complexity, and the potential for piping system modification.

The utility will require the installation of approved backflow preventers of required type under any of the following conditions:

- a. Where a fresh water supply which has not been approved by the State Department of Health Services is already available from a well, spring, reservoir or other source. (If the customer agrees to abandon this other supply and agrees to remove all pumps and piping necessary for the utilization of this supply, the installation of backflow preventers will not be required.)
- b. Where salt water, or water otherwise contaminated, is available for industrial or fire protection purposes at the same premises
- c. Where the premises are or may be engaged in industrial processes using or producing process waters or liquid industrial wastes, or where the premises are or may be engaged in handling sewage or any other dangerous substances.
- d. Where fresh water hydrants or other outlets are or may be installed on piers or docks.
- e. Where the circumstances are such that there is special danger of backflow of sewage or other contaminated liquids through plumbing fixtures or water-using or treating equipment, or storage tanks and reservoir.
- Premises that have internal cross-connections that are not abated to the satisfaction of the utility or the health agency.
- g. Premises where cross-connections are likely to occur and entry is restricted so that crossconnection inspections cannot be made with sufficient frequency or at sufficiently short notice to assure that cross-connections do not exist.
- h. Premises having a repeated history of cross-connections being established or reestablish.
- Multi-unit, mater-metered Premises, except Premises used exclusively for residential purposes, due to the risk of occupancy change without notification to the utility.

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Rule No. 16 Sheet 5 SERVICE CONNECTIONS, METERS, AND CUSTOMER'S FACILITIES

C.3. Type and Expense of Backflow Preventers

Any backflow preventer utilized shall be of the type and design specified and approved for the circumstances in Section 7604, Title 17 of the California Code of Regulations, except that a customer may utilize an approved backflow preventer providing greater protection than required by Section 7604. Such backflow preventers shall be installed by and at the expense of the customer, in a manner approved by the utility and the public health agency having jurisdiction. Backflow preventers shall be installed as close as practical to the customer's connection to the utility and in a location which is readily available for periodic inspection.

Periodic Testing of Backflow Preventers

Whenever a backflow preventer is installed, relocated, or repaired, the customer shall have it tested by persons who have demonstrated their competency in testing of these preventers to the utility or health agency. Backflow preventers shall be tested at least annually or more frequently if determined to be necessary by the health agency or utility. The utility shall notify the customer when testing of backflow preventers is needed. The notice shall give the date when the test must be completed. Backflow preventers shall be tested, repaired or replaced at the expense of the customer. At the option of the utility, if a backflow preventer is not tested by the date specified, the utility may;

a. Discontinue service in accordance with paragraph C.5.c; or

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(D)

b. Have all untested assemblies tested and, if needed, repaired or replaced. The costs of all such testing, repair, or replacement, or combination thereof, will be borne by the customer, and the utility may add such costs to the customer's water bill. In tenant-landlord situations, the utility shall not be responsible for determining the responsible party beyond notification of the customer of record.

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Reports of testing and maintenance shall be maintained by the utility for a minimum of three years.

Refusal to Serve or Discontinuance of Service

The utility may refuse or discontinue service:

- a. Until there has been installed on the customer's piping an approved backflow preventer of the required type, if one is required.
- b. Where the utility has been denied access to the customer's premises to make an evaluation.
- c. Where the customer refuses to test a backflow preventer, or to repair or replace a fault backflow preventer.
- d. Where there is a direct or indirect connection between the public water system and a sewer line.
- e. Where there is an unprotected direct or indirect connection between tt1e public water system and a system or equipment containing contaminants.
- f. Where there is an unprotected direct or indirect connection between the public water system and auxiliary water system
- g. When there is a situation which presents an immediate health hazard to the public water system.

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Rule No. 16 Sheet 6 SERVICE CONNECTIONS, METERS, AND CUSTOMER'S FACILITIES

C. 6. Pumps and Boosters

When a customer receiving service at the utility's main or service connection must, by means of a pump of any kind, increase the pressure of the water received, the pump shall not be attached to any pipe directly connected to the utility's main or service pipe. Such pumping or boosting of pressure shall be done, at the option of the utility, either:

- From a sump, cistern or storage tank which must be served through an air gap connection, or
- b. From a combination of an approved backflow preventer plus a device approved by the water utility to prevent the booster pump from drawing the utility's system pressure below 20 psig.

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