

Steam Service Rules Handbook



Steam Service Rules Handbook

Your steam equipment must adhere to a set of specific requirements to ensure its safe and reliable operation. These requirements are spelled out in our document "Steam Service Rules," provided here in online form. Click on any topic in the content list for detailed information.

Table of Contents

Section I – General

- Introduction
- Definitions

Section II - Characteristics of Service

Section III - Company's Service Lines, Meters, and Service Equipment

- General
- Service Lines
- Meters
- Service Equipment
- Company Property

Section IV -- Customer's Piping and Equipment

- General
- Design
- Customer Property

Section V - Service Line

- Pressure Drop

Section VI - Adequacy and Safety of Installation

- Pressure Reducing Valve Station
- Liability – Customer's Equipment
- Repairs

Section VII - Location and Installation of Meters and Service Equipment

Section VIII - Changes in Customer's Requirements

- Load Increase or Decrease
- Change in Location of Existing Service Facilities
- Removal of Company's Equipment during Building Alterations
- Demolition

If you have any comments or questions, please contact us at steamsales@coned.com.
©Con Edison of New York, Inc.

Section I

General

Territory Served

Steam service is supplied from the Company's system of mains in the Borough of Manhattan. Information as to the availability of service at any particular location will be furnished upon request.

Application for Service

Application for service may be initiated by mail, telephone, or email to:

Steam Business Development
Consolidated Edison Company of New York, Inc.
4 Irving Place
6th Floor
New York, NY 10003
Telephone Number: 1-212-460-2011

A representative will call to assist you in making all necessary arrangements for your steam requirements.

Con Edison Steam Emergency Telephone Number for repairs, service & complaints:

(212) 683-8830 or 1 (800) 75-CONED.

Introduction

The Company's Schedule for Steam Service indicates that the Company will determine the location, specify the type, manner of installation and connection of the service line; and the Company will specify the type and manner of installation of service and metering equipment; and will furnish this information to the Customer or the Customer's representative upon request. It is also provided that the Company will furnish information relating to the installation of meters and service equipment.

This site has been prepared for the use of Customers, their architects, contractors and engineers as a convenient form for specifications and information relating to the securing of steam service, together with certain rules and regulations contained in the Schedule for Steam Service.

Except for titles and headings, the parts of this site printed in **bold face** type are excerpts from the Schedule for Steam Service.

This site is intended to cover only general requirements applicable throughout the territory of the Company. It is essential that specific information relative to each individual installation be obtained from the Company.

Revisions are made from time to time in the provisions of the Company's Schedule for Steam Service. Revisions of this site may not be made concurrently with revisions of the Schedule for Steam Service. If any statement in this site should be inconsistent with the provisions of the most recent revisions of the Schedule for Steam Service, the provisions of the effective Schedule for Steam Service shall govern.

If you have any comments or questions, please contact us at steamsales@coned.com.
©Con Edison of New York, Inc.

Definitions

1. The term "Company" means Consolidated Edison Company of New York, Inc.
2. The term "Customer" includes both a present consumer of and an applicant for the Company's steam service.
3. The terms "service" or "steam service" means the supply of steam provided by the Company.
4. The term "service line" means the pipes and equipment for delivering steam from the Company's distribution system to the piping system of the Customer's building or premises.
5. The term "point of service termination" means the point at which the Company terminates its service line and the Customer begins his/her piping.
6. The term "meter" means the steam metering device used by the Company to measure the service supplied to the Customer, including any equipment furnished by the Company as part of such metering device.
7. The term "authorities" includes the Public Service Commission of the State of New York, the municipal authorities and any other agencies legally authorized to regulate or inspect the Customer's installation or equipment.

Section II - Characteristics of Service

Continuous; supplied at an average gauge pressure in excess of 125 pounds.

The Company, upon request, shall furnish information concerning range of pressure that the Customer may normally expect at the point of service termination.

If you have any comments or questions, please contact us at steamsales@coned.com.
©Con Edison of New York, Inc.

Section III - Company's Service Lines, Meters, and Service Equipment

General

Application for service may be made by an owner or occupant to whose building or premises the Company's steam service is available, or can reasonably be made available. Following such application, the Company will request for the Customer's signature on the Agreement for Service; and will thereafter initiate the preparation of complete engineering details of the installation of the service line and service connections. Acceptance of the Agreement for Service will be subject to the Customer's compliance with all applicable rules, regulations, terms and conditions of the Company's Schedule for Steam Service.

Service Lines

Within a reasonable time after acceptance by the Company of the Agreement for Service, the Company will install a service line to a point at the property line or suitable sidewalk space, determined by the Company to be convenient and practicable. Where a basement wall or vault wall is located at such point, the Company will extend its service line through a sleeve provided and installed by the Customer in such wall to a point immediately inside the wall. The point to which the Company so extends its service line shall constitute the point of service termination.

Steam service will be supplied to the Customer's premises through a single service line, except where for reasons of Company economy, conditions on the Company's distribution system, improvement of service conditions, or volume of the Customer's requirements, the Company elects to install more than one service line.

The Company reserves the right to determine the location of any service line, and to avoid misunderstanding, the Customer, before starting work, shall consult the Company as to the exact location of the point of service termination.

Meters

The Company will determine the type, size, make and number of meters best suited to the service requirements. The Company will furnish and maintain such meters, including meter regulating valves, when required, but they shall be installed by the Customer at a location and in a manner specified by the Company.

Service Equipment

The Company will furnish and maintain, when required in accordance with the Company's specifications, the following service equipment on the service side of the meter:

- a. Service traps
- b. Sediment strainers
- c. Steam separators
- d. Steam pressure regulators

The Customer shall install all service equipment in a manner specified by the Company.

Company Property

The service line, meters and service equipment furnished by the Company, as specified herein, shall remain the property of the Company and will be maintained by the Company.

The Customer shall be responsible for the safekeeping of the Company's property on his/her premises. No person, except a duly authorized employee of the Company, shall be permitted to break or replace a Company seal or lock, or to alter or interfere with the operation of a meter or its connections, a steam meter regulating valve, steam pressure regulator, or any other item of service equipment furnished by the Company.

If you have any comments or questions, please contact us at steamsales@coned.com.
©Con Edison of New York, Inc.

Section IV - Customer's Piping and Equipment

General

The Company will furnish, for the information of the Customer's contractor, reference drawings and general specifications of the work to be done by the Customer on service connections and service line installed within the Customer's property. The Customer should obtain this information as one of the first steps in planning installation. The Company's engineering representatives are available to provide supplementary information when required.

Design

For all new installations, renovations or modifications, all high pressure steam piping shall be designed by a licensed Professional Engineer. The responsible engineer must file plans and obtain approval from the New York City Department of Buildings prior to a service turn-on by the Company (high pressure steam is defined as more than 15 psig).

Prior to construction, the engineer and mechanical contractor shall provide drawings to the company for approval of the high pressure steam system from the point of entry up to and including the steam meter station, including methods of condensate disposal from traps installed before the steam meter station.

Pressure reducing valves and steam piping shall be installed in accordance with A.S.M.E. B31.1 Power Piping Code (latest revision).

Customer Property

The Customer shall provide suitable space, acceptable to the Company, for the proper installation, inspection, protection and maintenance of the Company's meters and service equipment, which space shall be as near the point of service termination as practicable. The Customer shall furnish, install and maintain all facilities required for his/her utilization of service including service stop valves, meter stop valves, primary and secondary service pressure reducing valves, meter supports, and all piping between the point of service termination and the Customer's utilization equipment. Where such facilities are associated with the delivery and measurement of service, they shall be installed and maintained in a manner specified by the Company. Where electrical service is required for the operation of the Company's meters or meter regulating valves, the Customer shall furnish and install all wiring and equipment necessary to provide such service (except meters, relays, and meter regulating valves), but the Company will make the final connection of such wiring to its electric service. Where telephone service is required for remote communications, the Customer shall furnish and install all necessary telephone cable, but the Company will furnish and maintain the communications service.

All facilities installed by the Customer from the point of service termination up to and including the meter outlet stop valves shall be subject to the Company's final approval, and the Customer shall adapt his/her equipment and otherwise provide for the proper utilization of the Company's service. Before steam is turned on, the Customer shall provide documentation to the Company, signed and sealed by a Professional Engineer, that the Customer-installed facilities conform to New York City Department of Buildings code requirements and that the special inspection required by the New York City Department of Buildings has been performed.

The Customer shall furnish, install and maintain suitable equipment for cooling of condensate to a temperature not exceeding 150 degrees F, and suitable pipe connections for the discharge of all condensate to the sewer and shall comply with the rules and regulations of the New York City Department of Environmental Protection.

Where a valve is provided in the service line by the Company between the curb line and property line, it is the duty of the Customer to keep the valve box cover clear and accessible at all times to facilitate operation of the valve in an emergency. All isolation valves installed in the steam piping system within the building ahead of and directly after the steam meters shall be operated only by the Company. Only in case of extreme emergency may such valves be closed by the Customer. On such emergency closing, the Company shall be notified immediately. Only the Company shall reopen a valve closed in an emergency.

If you have any comments or questions, please contact us at steamsales@coned.com.
©Con Edison of New York, Inc.

Section V - Service Line

Sleeves, furnished by the Customer, shall be installed in accordance with Company requirements, to protect the service line from mechanical injury or corrosion, such as where the service line passes through the building wall, through an areaway or through any unexcavated area under a structure up to the inside service stop valve. At the end of the sleeves, the space between the service line and the sleeve shall be sealed by the Customer in accordance with Company requirements. The wall shall be sealed by the Customer around wall sleeves to prevent water from entering the building at the sleeve.

Customer installed steam piping shall be properly pitched towards low points in the system with steam traps to maintain drainage of condensate. Steam traps upstream of the inside service valve and Company meters shall be furnished and maintained by the Company, and installed by the Customer in accordance with Company requirements.

Backfill around buried service line shall consist of clean earth, and shall be free of cinders, large rocks, vegetable matter, building material debris and rubbish or other foreign matter.

Pressure Drop

The Company recommends that the Customer design his/her piping so that the pressure drop from the point of service termination to the meter does not exceed 2 psig for the Customer's maximum demand at an assumed pressure of 125 psig.

When required by the Customer for the adequate sizing of his/her utilization equipment, the Company will furnish specific information pertaining to the pressure drop of its meters.

The Company requires the Customer to install equipment that will operate satisfactorily at the minimum pressure, as well as at the maximum pressure, which may be encountered. Particular attention should be given to the choice of devices where performance is sensitive to supply pressure such as ejectors for steam turbine condensers. The Customer should inform the Company when devices installed require pressure in the range of 100 psig, or above.

Section VI - Adequacy and Safety of Installation

The Company is not required to supply steam service until the Customer's installation has been approved by the authorities having jurisdiction over the same; and the Company further reserves the right to withhold its service, or discontinue its service, whenever such installation or part thereof is deemed by the Company to be unsafe, inadequate or unsuitable for receiving the Company's service, or to interfere with or impair the continuity or quality of the Company's service to the Customer or to others.

Pressure Reducing Valve Station

Pressure Reducing Valve (PRV) stations, including its bypasses, and steam piping shall be designed and installed in accordance with ASME B31.1 - latest revision, Power Piping Code, sections 122.5, 122.6 and 122.14.

Liability - Customer's Equipment

Neither by inspection or non-rejection, nor in any other way, does the Company give any warranty, expressed or implied, as to the adequacy, safety or other characteristics of any structures, equipment, wires, mains, pipes, appliances, or devices owned, installed or maintained by the Customer or leased by the Customer from third parties.

Repairs

Except as otherwise provided herein, all repairs to piping and equipment shall be made by the Customer, and he/she shall maintain the piping and equipment in the condition required by the authorities having jurisdiction and by the Company. The Customer shall give immediate notice to the Company of any leakage or escape of steam.

Section VII - Location and Installation of Meters and Service Equipment

The Company's meters and service equipment and the Customer's stop valve shall be located:

- a. In the cellar or basement except by special permission from the Company.
- b. As near as practicable to the point of entrance of the steam service line.
- c. In a space adequately ventilated, dry, free from corrosive vapors, and where the ambient temperature does not exceed 100°F (38° C).
- d. In an accessible position in accordance with the requirements of the Company and the authorities having jurisdiction. A clear space, as designated by the Company, shall be provided around this equipment.

The Company's meters and service equipment and the Customer's stop valve shall not be located:

- a. Where they could become a hindrance, obstruction or exposed to mechanical damage.
- b. Under water pipes or other pipes which may be subject to sweating unless such pipes are provided with suitable means for preventing condensation from dripping on this equipment.
- c. In any recess or enclosure unless its design and location have been approved by the Company.

The Customer shall provide a clear approach, free of any hazards, to allow the passage of the meters and associated equipment to its final location at the time of its initial installation and at any time in the future when removal or replacement of any of the above is required. Where large meters and equipment are required, the Customer shall provide elevators, lifts, or ramps of adequate strength, or hatchways of adequate size, for passage of the meters and the equipment.

Meters supported off the floor by the piping run shall be located so that the center line of the meter piping is a height of approximately 6 feet where practicable, but in no case more than 8 feet or less than 4 feet above floor. Meters supported from the floor shall be installed in accordance with Company specifications. Meter piping runs and floor supports shall be so installed that the meter is plumb and level.

Supports for Company and Customer's equipment and meter piping shall be securely fastened in a manner acceptable to the Company. It is recommended that bolts and expansion shields and anchors be used on brick, stone and concrete walls and ceilings. The Company will not accept nails, wood plugs or dowels as a means of fastening such supports.

Section VIII - Changes in Customer's Requirements

Load Increase or Decrease

The Customer shall give the Company reasonable advance notice of intention to materially increase or decrease his/her load. Changes and alterations to provide proper metering in such cases shall be governed by the requirements applying to new installations.

Change in Location of Existing Service Facilities

Any change requested by the Customer in the point of service termination or location of the service pipe, provided such change is approved by the Company, will be made at the expense of the owner or occupant of the premises, who shall pay in advance the Company's estimated cost of such change.

Changes in the location of the Company's meters or service equipment shall be governed by the requirements applying to new installations.

Removal of Company's Equipment During Building Alterations

When necessary, for building alterations and upon suitable advance notification to the Company, the Company will shut off service and remove its meters and service equipment to protect them from damage and to expedite such alterations. Meters and service equipment shall be reinstalled under conditions governing new installations.

Demolition

Building demolition cannot start until the Company's meters and service equipment have been removed and the steam service has been cut off outside of the structure to be demolished.