



Alliant Energy - Gas Service Manual

Chapter 2 – Company Facilities on Customer Premises

Issued: 2018

Supersedes: 2015

A. GENERAL

1. The Company shall have the right to install and maintain its facilities on the customer's premises as required to provide adequate service.
 2. All facilities furnished and installed by the Company on the premises of the customer for the supply of gas service to the customer up to the point of delivery shall remain the exclusive property of Company.
 3. The point of delivery for typical installations is the outlet of the metering facility, as shown by a "Company Owned/Customer Owned" line on the figures in GSM Chapter 4.
 4. The customer shall consult with the Company when planning a building that may include a Company-owned distribution system in or on the building.
-

B. INSTALLATION OF COMPANY FACILITIES

1. The Company, after consulting with the customer, specifies the location of all metering facilities. Consideration shall be given to locations where the potential for damage or interference is minimal. Refer to GSM Chapter 3 for facility location, protection and clearance requirements.
 2. The service pipe will be installed only after final grade levels have been established and other conditions are found to be satisfactory by the Company. Rough grade must be within 6 inches of final grade.
 3. When a service riser is installed using an external wall mount bracket, the wall mount bracket must be installed completely below finished grade. The wall mount bracket is shown in the figures in GSM Chapter 4.
 4. After installation of the gas service pipe, the grade shall not be increased or decreased more than 6 inches without notifying the Company BEFORE grading begins. If rebuilding and/or relocation of the gas service and metering equipment are required due to a grade change, the customer must pay the entire cost.
-



5. The Company will provide each building or structure with one delivery pressure supplied by one service pipe to a metering facility located adjacent to a building or structure located on the customer's premise, with exceptions listed below. Exceptions other than those listed below must be approved in advance by the Company.
 - a) For duplexes where the dwelling units do not share a common wall, a separate service pipe may be provided for each unit (i.e. separated by garage).
 - b) For a row house, condominium or townhouse which is a place of abode not more than three stories in height, arranged to accommodate three or more attached row living units in which each living unit is separated from the adjoining unit by a firewall(s) as allowed by the local Authority Having Jurisdiction (AHJ), a separate service pipe may be provided for each two attached units.
 - c) For duplexes or condominiums with zero lot lines, in which each property unit is separated from the adjoining property unit by a firewall(s) as allowed by the local AHJ, a separate service pipe may be provided for each property unit.

NOTE: If the developer elects to pipe across property units from one central delivery point (i.e. one service serves the entire structure), the developer is responsible for securing all required easements from the adjacent property owners prior to gas service being installed. All required easements are to be granted to the Company.

6. The AHJ shall have final say on the firewall construction needed to comply with the requirements listed above. Typical firewall requirements and ratings are listed below.

All firewalls shall extend from the basement or lowest floor to the under-side of the roof deck and shall have no HVAC vents or other piping between the units through the firewall and shall have no metallic paths bonding the units together, in accordance with the International Building Code (IBC) Chapter 7.

- a) 1-Hour – Two 1/4 inch sheets of sheet rock separated by a 2x4 stud.
- b) 2-Hour – Two 3/4 inch sheets of sheet rock separated by a 2x4 stud.
- c) 3-Hour – Four 5/8 inch sheets of sheet rock separated by 2 sets of 2x4 studs creating double walls.
- d) 4-Hour or greater – 8 inch cinder blocks walls.



C. ACCESS TO COMPANY FACILITIES

1. The Company shall have the right of access to its facilities located on the customer premises for installation, inspection, maintenance, testing, and restoration of service.
2. The customer shall provide the right of access at no expense to the Company.
3. The Company will attempt to provide advance notice to the customer of the need for access whenever possible.
4. Access includes requiring a clear path to the meter free from trees, bushes, plants, yard sheds, buildings, etc. The Company shall have the right to cut back trees, bushes, plants, etc., if a clear path is not provided and maintained.
5. Permanent structures shall not be installed over Company pipelines (service lines, distribution mains, or transmission lines). Any structure that is built on a permanent foundation or that is larger than 8 feet by 10 feet is considered a permanent structure.
6. If it is determined that a permanent structure has been built over one or more Company pipelines, the structure and its foundation or the Company's pipeline(s) shall be relocated at the customer's expense.

Below are examples of structures that are considered permanent.





Below are examples of structures that are **not** considered permanent.



D. CORROSION PROTECTION OF COMPANY FACILITIES

1. In order to maintain adequate corrosion protection for the gas system, the customer is not permitted to attach, hang, or support any object from the Company's meter installation or piping.
2. The Company's gas piping system must be electrically isolated from all customer piping, wiring or grounding systems. Gas piping shall never be used as a ground for electrical systems.
3. Gas service risers must be protected with a full encirclement sleeve when they may come into contact with concrete and blacktop surfaces. The full encirclement sleeve should have a diameter two times greater than the diameter of the riser.

E. SHUTOFF VALVES

1. On metering facility installations of 1,800 Scfh or less at 7" w.c. delivery pressure, and for all meter connections of 1,350 Scfh or less at 2 psig delivery pressure, the Company will install a gas shutoff valve immediately after its facilities. This valve will become the property of the customer. Refer to illustrations in GSM Chapter 4.
2. The customer is responsible for all operation and maintenance of this valve after initial installation. This valve is to be used by the customer or their agent for all non-emergency gas shutoff. It can also be used in emergencies when the Company's gas meter stop is inaccessible.



3. On metering facility installations greater than 1,800 Scfh at 7" w.c. delivery pressure, and for all meter connections greater than 1,350 Scfh at 2 psig or greater delivery pressure, the Company shall install a gas shutoff valve immediately before the customer owned piping. This valve will remain the property of the Company. Refer to illustrations in GSM Chapter 4.
4. Unless special arrangements are made with the Company, this valve shall only be operated by the Company. It is recommended that customers install their own shutoff valve for maintenance or emergency use.

F. AUTOMATED METER READING REQUIREMENTS

1. Gas transportation and interruptible customers may be required to have automated meter reading equipment installed as a part of their gas meter installation. Contact the Company for requirements. Typical requirements are shown in GSM Chapter 4.
2. Customers may request gas consumption pulses from the Company's gas metering equipment. The customer will be required to sign an Agreement for Demand Pulse Equipment and comply with the requirements in GSM Chapter 4.

G. VANDALISM TO COMPANY FACILITIES

1. Vandalism of meters, regulators, valves, piping or any property of the Company is prohibited and violators may be prosecuted to the full extent of the law.
2. When there is reason to believe that vandalism may occur to a metering facility on customer property, the Company will provide protection deemed necessary at the time of initial service installation.
3. The customer may be responsible for, or charged for, any subsequent protection required to protect the metering facilities on their property from vandalism.



H. TAMPERING WITH COMPANY FACILITIES

1. Meters and meter equipment are sealed by the Company. Breaking of seals by unauthorized persons is prohibited.
2. Meters shall not be removed or relocated except by authorized Company personnel.
3. Tampering with meters, regulators, valves, or any property of the Company is prohibited and violators may be prosecuted to the full extent of the law.
4. At no time shall a regulator or relief valve vent line be connected to any other vent line nor shall a regulator control line be connected to any other control lines.
5. No changes or alterations shall be made to company piping, vent lines or control lines by anyone other than company personnel.
6. Violators will be held responsible for metering errors, equipment damage and unmetered gas.