



Alliant Energy – Gas Service Manual

Table of Contents

Issued: 2019
Supersedes: 2018

<u>CHAPTER 1 – GENERAL INFORMATION</u>	<u>PAGE</u>
A. Purpose	1
B. Codes and Guidelines	1
C. Disconnection or Refusal of Service	2
D. Continuity of Service	2
E. Delivery Pressures	2
F. Obtaining Gas Service	4
G. Customer Supplied Volumetric Flow Rate	5
H. Converting from Another Fuel	5
I. Customers Increasing Load	6
J. Relocation of Company Facilities – No Change in Customer Load	6
K. Gas System Extensions	6
L. Service Connections	7



CHAPTER 2 – COMPANY FACILITIES ON CUSTOMER PREMISES

A. General	1
B. Installation of Company Facilities	1
C. Access to Company Facilities	2
D. Corrosion Protection of Company Facilities	3
E. Automated Meter Reading Requirements	3
F. Vandalism to Company Facilities	4
G. Tampering with Company Facilities	4

CHAPTER 3 – METERING FACILITY LOCATION AND CLEARANCES**PAGE**

A. Location and Protection of Company Metering Facilities	1
B. Gas Meter Set Clearances	3



<u>CHAPTER 4 – GAS METER CONNECTIONS</u>	<u>PAGE</u>
A. Gas Meter Connections	1
B. Concrete Meter Pad	2
C. Gas Meter Connection – Type A 0 to 250 Scfh at 7" w.c. or 2 psig delivery pressure	3
D. Gas Meter Connection – Type B 251 to 630 Scfh at 7" w.c. or 251 to 1,350 Scfh at 2 psig delivery pressure	4
E. Gas Meter Connection – Type C 631 to 1,000 Scfh at 7" w.c.	5
F. Gas Meter Connection- Type D 1,001 to 5,000 Scfh at 7" w.c. or 2,301 to 5,000 Scfh at 2 psig delivery pressure	6
G. Gas Meter Connection – Type E 1,351 to 2,385 Scfh at 2 psig delivery pressure or 0 to 2,700 Scfh at 5 psig delivery pressure or 0 to 3,400 Scfh at 10 psig delivery pressure or 0 to 3,700 Scfh 15 psig delivery pressure	7
H. Gas Meter Connection – Type F 2,701 to 9,300 Scfh at 5 psig delivery pressure or 3,401 to 11,600 Scfh at 10 psig delivery pressure or 3,701 to 14,000 Scfh at 15 psig delivery pressure	8
I. Gas Meter Connection – Type G 9,301 to 14,600 Scfh at 5 psig delivery pressure or 11,601 to 18,200 Scfh at 10 psig delivery pressure or 14,001 to 22,200 Scfh at 15 psig delivery pressure	9
J. Automated Meter Reading Installations	10



<u>CHAPTER 5 – CUSTOMER GAS PIPING AND EQUIPMENT</u>	<u>PAGE</u>
A. General Requirements	1
B. Customer Gas Piping – Materials	1
C. Customer Gas Piping – Joining	4
D. Back Pressure Protection	5
E. Low-Pressure and Vacuum Protection	5
F. Overpressure Protection	5
G. Pressure Testing of Customer Gas Piping	6
H. Corrosion Protection of Customer Piping Systems	6
I. Electrical Grounding and Bonding (Non-CSST)	8
J. Corrugated Stainless Steel Tubing (CSST) Gas Piping	8
K. Transition to Piping Material Other Than Steel	10
L. Multiple Meter Installations	11
M. Odor Fade	12

<u>CHAPTER 6 – MANUFACTURED HOMES</u>	<u>PAGE</u>
A. Scope	1
B. General	1
C. Manufactured Home Parks	2
D. Gas Service to a Single Manufactured Home - Adjacent	3
E. Gas Service to a Single Manufactured Home - Remote	3



<u>APPENDIX</u>	<u>PAGE</u>
Approximate Gas Input for Typical Appliances	1
Customer Piping Material Specifications	2
Energy Conversion Factors	3