

GAS

Installer's Manual

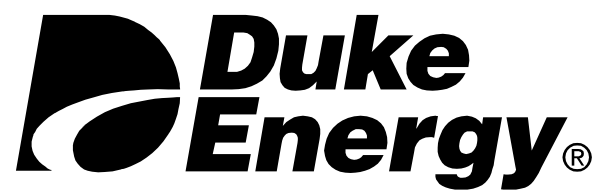


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HANDOUTS

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SECTION A

INTRODUCTION

Duke Energy publishes this manual for persons or firms that plan to install gas piping (service or house piping) or connect appliances within the Company's service area. We recommend that you take the time to read this Manual completely so that you become familiar with its contents. It provides a reference for installation, approved materials, cathodic protection, inspection and testing of gas piping.

The rules and information contained in this publication are not intended to cover all possible situations. Local laws, ordinances and government regulations, in addition to Company requirements, and National Fuel Gas Code ANSI Z223.1/NFPA54, will govern such work where applicable. It is suggested that interested persons consult with the Company in this regard before proceeding with their work.

Each of the regulatory commissions having jurisdiction within our service area requires that new customers apply for permission to use natural gas. Before proceeding with any new gas installation, call Duke Energy for details.

The National Fuel Gas Code ANSI Z223.1/NFPA 54 is an integral part of this manual. This code covers gas piping from the outlet of the gas meter to the inlet of the gas appliance, including appliance installations.

The Company does not assume responsibility for any defective material and/or faulty workmanship in the installation or repair of customer's piping when others perform such work or for any loss or damage resulting from such material or workmanship.

This Manual is updated periodically. The Company assumes no liability for failure of the installers to utilize current revisions.

Representatives of Duke Energy are available for additional advice and guidance. (See telephone numbers in Section C.)

SECTION B **DEFINITIONS**

Anode - used to protect underground metallic piping from corrosion.

Approved - the materials or procedures so designated are accepted by the Company for use in accordance with this manual.

Company - Duke Energy Corp and subsidiary companies.

Company Service Piping – that portion of service piping connecting the meter set assembly to the gas main that is installed at Company's expense.

CSST – an acronym for Corrugated Stainless Steel Tubing, a flexible gas house piping system.

Curb to Meter (C-M) – that portion of service piping that extends from the curb to the meter set assembly excluding regulating and measurement equipment.

Customer Service Piping – that portion of service piping connecting the meter set assembly to the gas main installed at Customer's expense.

Cubic Feet Per Hour (CFH) - the flow of gas, 1 CFH equals approximately 1000 BTU/hour.

Gas Main - the Company's distribution piping to which the Company's service piping is connected.

House Piping - that portion of the piping from the outlet of the meter set assembly to the points where appliances are connected. House piping is owned and maintained by the customer.

House Piping Inspection - a visual check and a pressure test of the gas house piping.

Joint Service Trench - trench where the gas piping, electric, telephone, and television cable are installed in the same trench.

Main to Curb (M-C) – that portion of the service piping which extends from the gas main to the curb. M-C portion is installed at Company's expense.

Meter Set Assembly - the piping, fittings and meter shut-off valve, including the meter and the service regulator (where required). The meter set assembly is owned, installed and maintained by the Company.

Other Utilities – include electric, water, television cable, telephone, communications, security, septic systems, sprinkler systems, sewers, drains, conduits, ducts, lines or pipes not associated with gas facilities.

Pressure Piping - the house piping operated at an elevated pressure at 1 PSIG or greater.

Pressure Test - the application of air pressure to a piping system in order to discover leaks and/or faulty components.

Service Piping – gas piping connecting the meter set assembly to the gas main.

Service Riser - that portion of the customer service piping extending from below grade to the meter set assembly.

Standard Pressure - the normal pressure as delivered to the customer, which is 0.25 PSIG at the outlet of the meter.

Tie-In - to make a connection to an existing gas main or piping.

Visual Service Piping Inspection - a visual check of the customer service piping.

SECTION C
IMPORTANT TELEPHONE NUMBERS

Duke Energy Gas & Electric Services

For information regarding installation specifications.

Call	(513) 651-0444
Toll Free	1-800-262-3000 Extension 3866

To Report Gas Trouble

Call	(513) 651-4466
Toll Free	1-800-634-4300

For All Inspections and Meter Sets

All gas meter sets, applications, inspections and to inquire on the status of existing requests for these services.

Toll Free	(513) 651-0444
	1-800-262-3000 Extension 3866

For Locations of any Underground Utility

Call Before You Dig – Ohio	1-800-362-2764
Call Before You Dig - Kentucky	1-800-752-6007
Call Before You Dig - Indiana	1-800-382-5544

Call the Utilities Protection Service at least two (2) working days in advance.

SECTION D
CUSTOMER ASSISTANCE

Duke Energy provides customer assistance without charge to assist you in obtaining the maximum benefits from natural gas. They will advise you on gas application, piping arrangements, venting requirements and will furnish general information on the use and economics of natural gas for residential, commercial and industrial applications.

See Section C for telephone numbers.