

Electric and Gas Service Requirements Features Guide

For your convenience, the following guide provides you with steps to help you to navigate our new site and use the updated features. You can view the section you wish to review by holding the control (CTRL) key on your keyboard and clicking the underlined hyperlink.

Mac users, please note:

Download full PDF, the navigation featured in this guide may not be compatible with all browsers.



Overview

Go to www.pge.com/greenbook/ to download the Electric and Gas Service Requirements for Building and Renovation Services.

The Electric and Gas Service Requirements now includes:

- [Expandable Table of Contents](#) with hyperlinks to specific subsections
- [Search Capabilities](#) updated
- [Popular Topics](#) that helps users easily find what they are looking for with the use of hyperlinks

- Full Manual ▶
- Search single topic or use "OR" for more topics ▶
- Popular Topics ▶

The screenshot shows the PG&E website interface. At the top, there is a navigation bar with links for 'For My Business', 'About PG&E', 'Media Newroom', 'Careers', 'Contact Us', 'Español', and '中文'. A search bar is located on the right side of the navigation bar. Below the navigation bar, there are several tabs: 'Manage My Account', 'Customer Service', 'Save Energy & Money', 'Environment', and 'Education & Safety'. The main content area is titled 'Electric and Gas Service Requirements'. It contains a paragraph about the manual, a link to the full manual, a search bar, and a table of popular topics. The table has columns for 'Expand All' and 'Collapse All'. The table lists various topics with expand/collapse icons.

	Expand All	Collapse All
Gas Meter Locations		+
Trenching		+
Temporary Electric Service		+
Residential Underground Services and Meter locations		+
Residential Overhead Services and Meter locations		+
Commercial and Industrial Underground Services and Meter locations		+
Commercial and Industrial Overhead Services and Meter locations		+
Agricultural Services		+

Expandable Table of Contents

Allows for faster searches and easier to find topics

[Return to first page](#)

To ensure information is easily accessible for users, an expandable Table of Contents with a hyperlink to information was added.

- 1 Click on **Go to full manual** to see the entire contents of manual. Here, you will be able to search by topic*.

PG&E For My Business | About PG&E | Media Newsroom | Careers | Contact Us | Español | 中文 Search Go Login

Manage My Account Customer Service Save Energy & Money Environment Education & Safety

Emergency
Contact PG&E
Service Guarantees
Start Stop & Move Service
More Services
Vegetation Management
Property Managers/Owners
Building and Renovation Services
Street and Outdoor Lighting
Electrical Testing and Analysis
Facility Maintenance
High Voltage Equipment

Electric and Gas Service Requirements

PG&E's Electric and Gas Service Requirements, also known as the Greenbook, contains the minimum utility requirements for establishing gas or electric service to new or remodeled customer installations for architects, engineers, electrical contractors, plumbing contractors, city and county officials, and electrical equipment manufacturers.

The printed version of this manual is available from your local [Service Planning office](#). Information and requirements in this manual are subject to change over time. The web version of the Electric and Gas Service Requirements is updated as changes occur, whereas the printed manual is updated at each scheduled printing. PG&E highly recommends that you refer to the web version for the most updated documents.

Go to full manual >>

[Sign up to be notified of updates >>](#)

Search

- 2 Click on the **topic header** (in blue) that you want to review, or click on the + on the right side of the topics to show the detailed table of contents for that section.

Manual - All Sections All sections updated 4/2011

Electrical Testing and Analysis
Facility Maintenance
High Voltage Equipment Testing and Repair
Meter Testing and Repair
Portable Gas Solutions
PG&E Academy
Economic Development
Wireless Solutions
Applied Technology Services
Brochures & Forms
SmartMeter™
Outages
Energy Choice
Non-PG&E Utility Services

- ▶ What Has Changed (read this first)
- ▶ Introduction and 2011 Service Planning Contact Information
- ▶ General
- ▶ Gas Service
 - ▶ Electric Service: Underground
 - ▶ Electric Service: Overhead
 - ▶ Electric Metering: General
 - ▶ Electric Metering: Residential

*Once within the full manual, you have the option of downloading the full manual in a PDF version, or you can click on a topic of interest to view the information. Additional search capabilities will be discussed in the next section: Search Capabilities

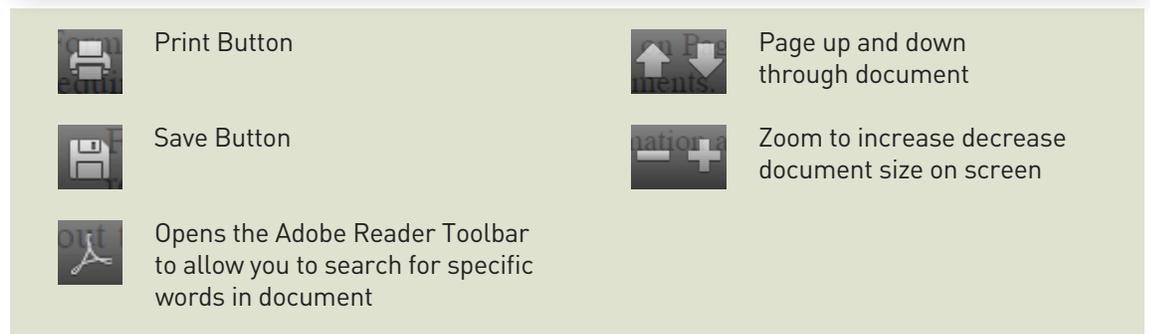
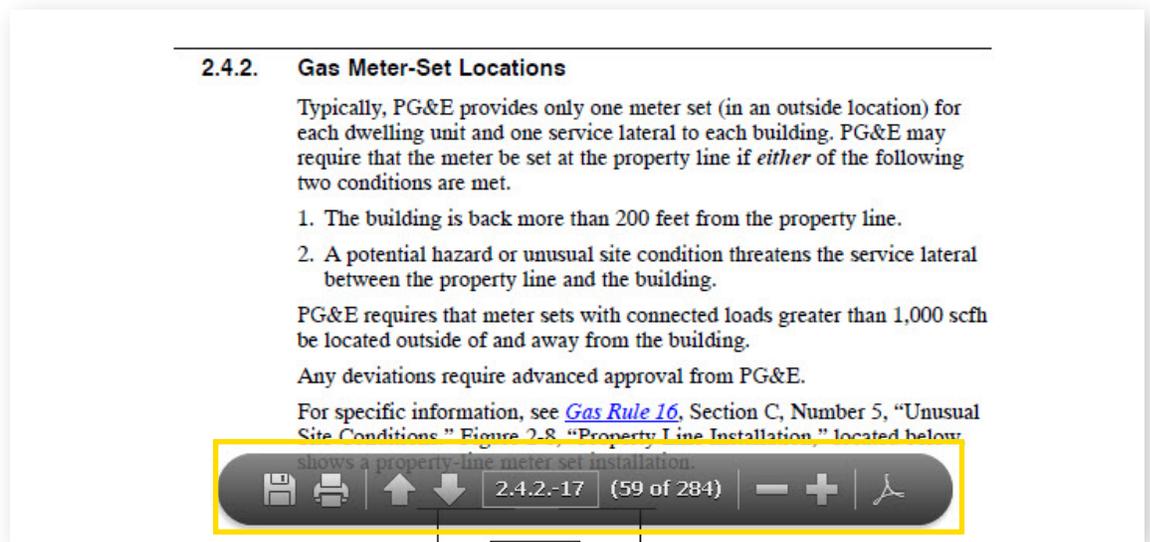
- 3 Below the main topic (example: Gas Service) sections are listed numerically, also in blue (example: 2.2 Procedures for Establishing Gas Service).

The screenshot shows a web application interface with a sidebar on the left containing a list of topics such as 'Street and Outdoor Lighting', 'Electrical Testing and Analysis', and 'Gas Service'. The main content area is titled 'Manual - All Sections' and displays a table of contents. The 'Gas Service' section is expanded, and its sub-sections are listed: '2.1. Scope 2-1', '2.2. Procedures for Establishing Gas Service', '2.3. Gas Service Lateral', '2.4. Set Requirements for Gas Meters', and '2.5. Applicant-Owned and Installed Gas Service Piping (e.g., Houseline), Valves, and Automatic Shut-Off Devices'. A yellow box highlights the 'Gas Service' section and its sub-sections.

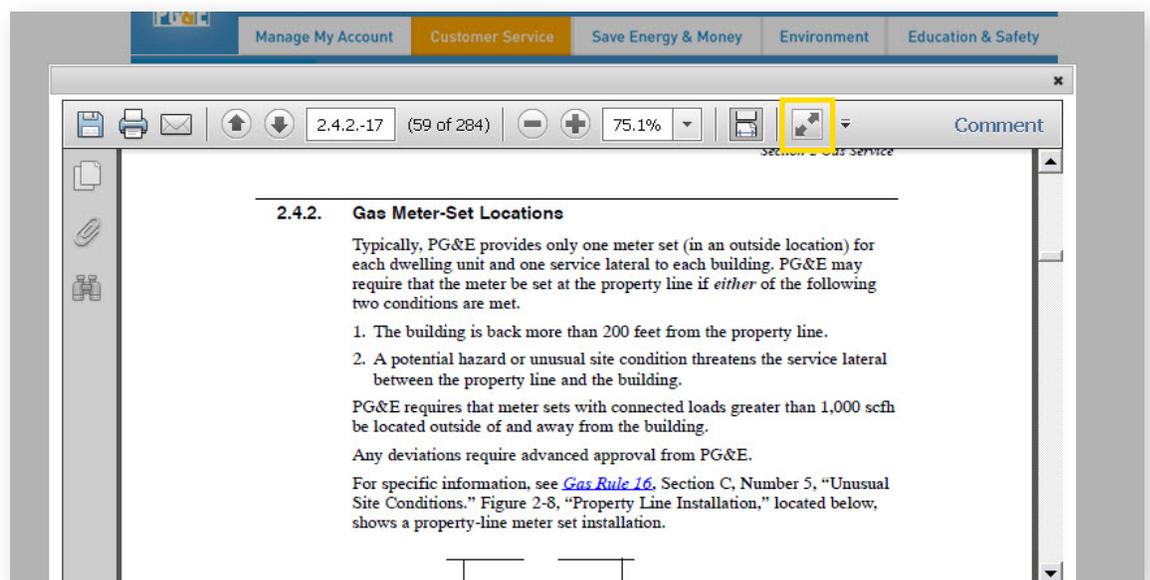
- 4 Click on the section that you are interested in to view an expanded table of contents (example: 2.2.1 Establishing New Gas Service). You will notice that these content headers are black, rather than the previously identified blue. However, you may still click on the section number hyperlink to open up a PDF of the document.

The screenshot shows the same web application interface, but now the '2.2. Procedures for Establishing Gas Service' section is expanded. The sub-sections are listed: '2.2.1. Establishing New Gas Service' and '2.2.2. Relocating an Existing Service'. A yellow box highlights the '2.2. Procedures for Establishing Gas Service' section and its sub-sections. The sub-sections are listed in black text, while the other sections in the table of contents are in blue text.

- 5 Once the PDF opens with the content, you can scroll down to the bottom center of the page where a toolbar will allow you to complete tasks such as Saving, Printing, and Scrolling through the document.



- 6 If the Adobe Toolbar is opened to allow you to search, you can click the box with the arrows to return to the original PDF format.



Search Capabilities

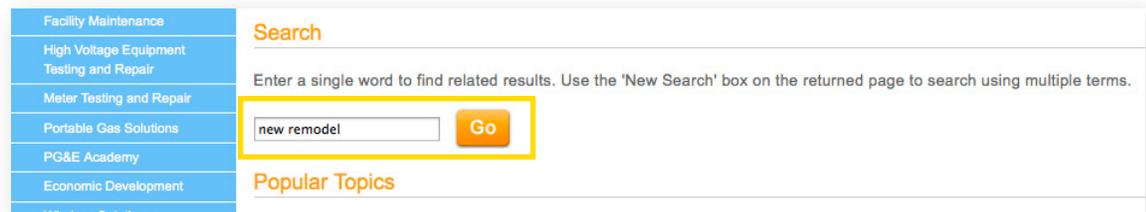
New search options make finding things easier

[Return to first page](#)

You can now search with a single word to find topics of interest, or search for multiple words using the “OR” feature in the main search field. Once the PDF is open you can search for phrases in your search criteria.

- 1 “OR” search criteria: For example, if you want to find information on “new” or “remodeled”—you can type the search “new remodeled” from the main page. You do not need to include the word “or” in your search.

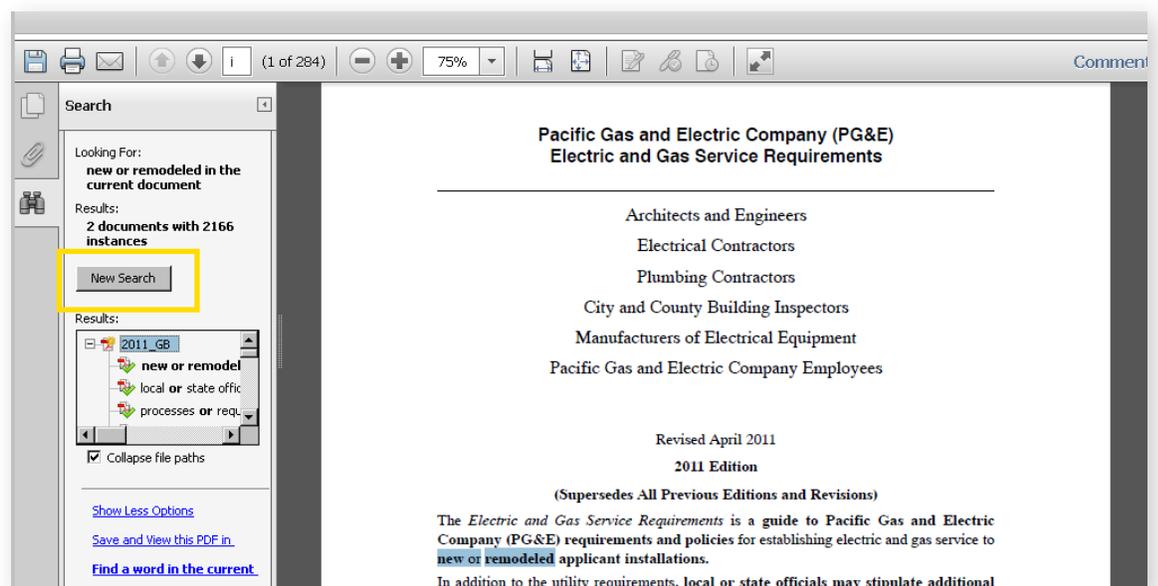
Click Go to begin search.



The screenshot shows a search interface with a sidebar on the left containing navigation links: Facility Maintenance, High Voltage Equipment Testing and Repair, Meter Testing and Repair, Portable Gas Solutions, PG&E Academy, Economic Development, and Metering Solutions. The main search area has a title 'Search' and a prompt: 'Enter a single word to find related results. Use the 'New Search' box on the returned page to search using multiple terms.' Below this is a search input field containing 'new remodeled' and a yellow 'Go' button. Underneath the search bar is a section for 'Popular Topics'.

- 2 A new window will open and show you your search results. There are several options to help you navigate your search

- You can also click on **New Search** to begin a new search within the PDF
- The **New Search** function allows you to search for phrases such as “electric conduit” or “meter location”
- You may also search by whole word, case sensitive, comments, or bookmark criteria

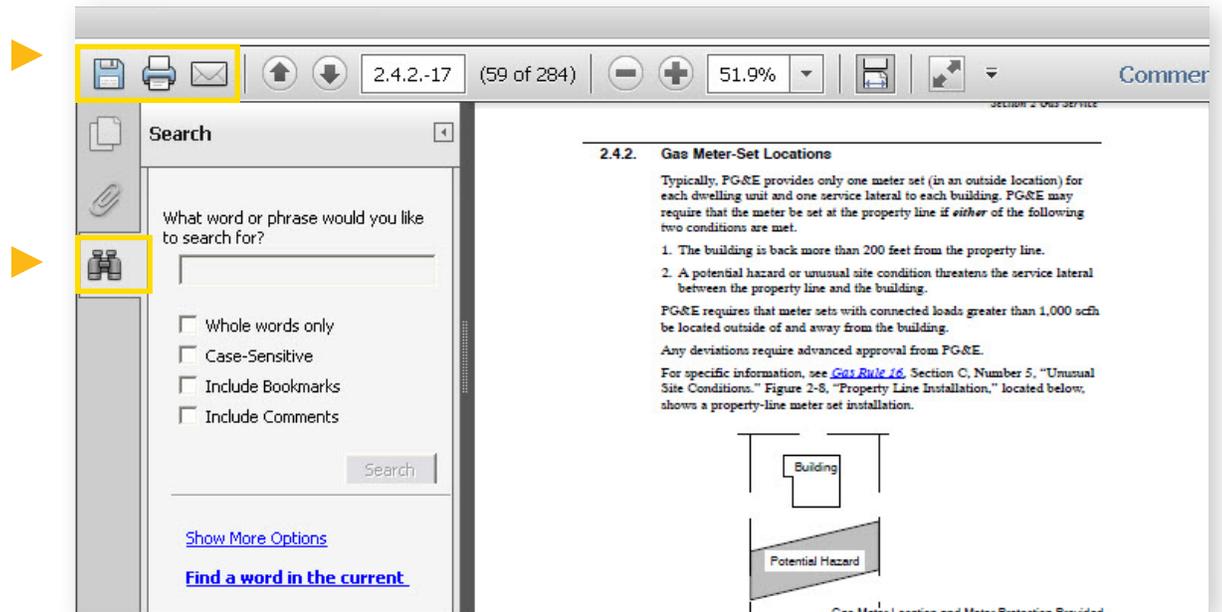


The screenshot shows a PDF viewer window. The search sidebar on the left displays: 'Looking For: new or remodeled in the current document', 'Results: 2 documents with 2166 instances', and a 'New Search' button highlighted with a yellow box. Below the search results is a file tree showing a folder '2011_GB' containing a file 'new or remodeled local or state offic processes or req'. The main PDF content is titled 'Pacific Gas and Electric Company (PG&E) Electric and Gas Service Requirements' and lists various roles: Architects and Engineers, Electrical Contractors, Plumbing Contractors, City and County Building Inspectors, Manufacturers of Electrical Equipment, and Pacific Gas and Electric Company Employees. It also includes the text: 'Revised April 2011', '2011 Edition', '(Supersedes All Previous Editions and Revisions)', and 'The Electric and Gas Service Requirements is a guide to Pacific Gas and Electric Company (PG&E) requirements and policies for establishing electric and gas service to new or remodeled applicant installations. In addition to the utility requirements, local or state officials may stipulate additional'.

- 3 Click on links to take you to that section of the document. Hyperlinks allow you to show fewer options and save the file into a PDF version. For more search capabilities, a hyperlink is also available to search for specific words within the current document

Follow the symbols to simplify your needs. **Save**, **Print** and **Search** is available. Search document using the thumbnails, or use the **binoculars** to open and close search window.

- Roll over the symbol with your cursor to identify the function
- Share files as an email attachment



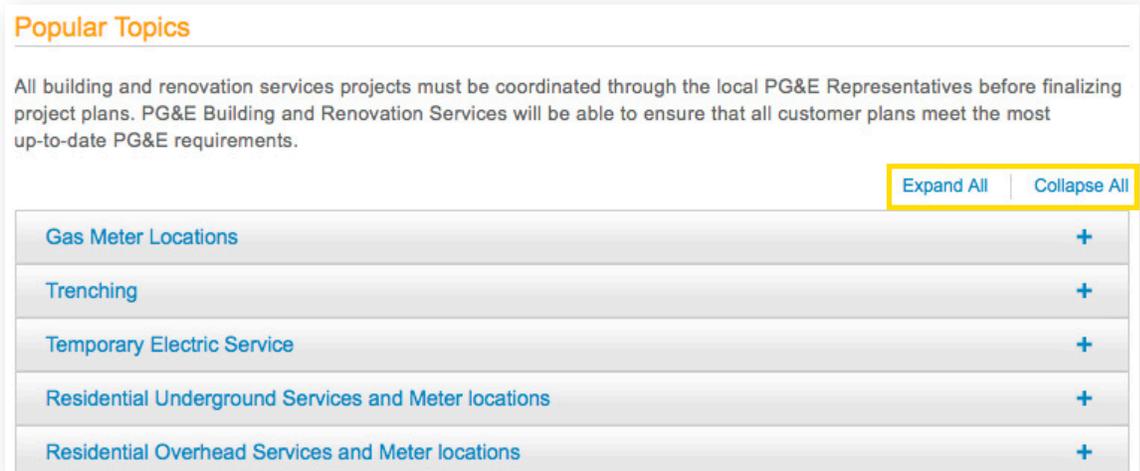
Popular Topics:

Take the guesswork out of your search

[Return to first page](#)

On the Home Page, just below the Search feature, you will find Popular Topics. This feature helps users easily find what they are searching for by providing links to topics that have been frequently searched.

- 1 Use the **Collapse All** or **Expand All** buttons to customize your screen for your needs.



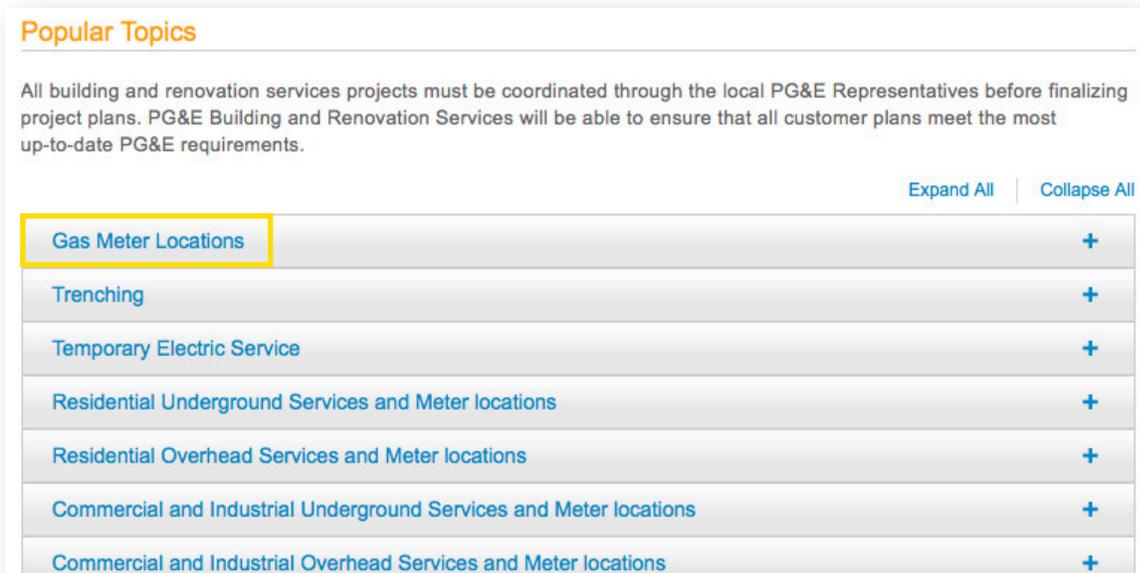
Popular Topics

All building and renovation services projects must be coordinated through the local PG&E Representatives before finalizing project plans. PG&E Building and Renovation Services will be able to ensure that all customer plans meet the most up-to-date PG&E requirements.

[Expand All](#) | [Collapse All](#)

Gas Meter Locations	+
Trenching	+
Temporary Electric Service	+
Residential Underground Services and Meter locations	+
Residential Overhead Services and Meter locations	+

- 2 Click on **topic name** (in blue) to view information.



Popular Topics

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Commercial and Industrial Underground Services and Meter locations	+
Commercial and Industrial Overhead Services and Meter locations	+

- 3 Click on the + or – sign to expand and collapse individual topics to see all the subtopics within the main.
- Each subsection is another hyperlink

Popular Topics

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[Expand All](#) | [Collapse All](#)

Gas Meter Locations -

If your project requires the installation of new gas service, it is important to understand the requirements and preferred gas meter locations. You or your contractor may want to review the most commonly referenced sections of the Greenbook.

[Section 2.4.2 Gas Meter-Set Locations](#)

[Section 2.4.2.5 Minimum Separation between gas and electric meters \(Figure 2-20\)](#)

[Section 2.4.2.5 Building openings, Vents, and Windows \(Figure 2-21\)](#)

[J-16 Gas Meter Room \(PDF, 14 KB\)](#)

[J-95 Meter Guard Design and Installation Arrangement \(PDF, 19 KB\)](#)

[A-93.3 Residential Excess Flow Valves \(PDF, 225 KB\)](#)

[Trenching](#) +

[Temporary Electric Service](#) +

[Residential Underground Services and Meter locations](#) +

[Residential Overhead Services and Meter locations](#) +

[Commercial and Industrial Underground Services and Meter locations](#) +

[Commercial and Industrial Overhead Services and Meter locations](#) +

[Agricultural Services](#) +

- 4 Click on the subsection hyperlink and a new window will take you directly to the specific section.

Section 2 Gas Service

2.4.2. Gas Meter-Set Locations

Typically, PG&E provides only one meter set (in an outside location) for each dwelling unit and one service lateral to each building. PG&E may require that the meter be set at the property line if *either* of the following two conditions are met.

1. The building is back more than 200 feet from the property line.
2. A potential hazard or unusual site condition threatens the service lateral between the property line and the building.

PG&E requires that meter sets with connected loads greater than 1,000 scfh be located outside of and away from the building.

Any deviations require advanced approval from PG&E.

For specific information, see [Gas Rule 16](#), Section C, Number 5, “Unusual Site Conditions.” Figure 2-8, “Property Line Installation,” located below, shows a property-line meter set installation.