



# RESIDENTIAL GAS LINE SUBMITTAL REQUIREMENTS

BUILDING SERVICES



This handout outlines the submittal requirements for a **new gas line**.

- If your project includes other scope, please see the appropriate submittal requirement handout for your overall scope of work.
- If the gas line is for a generator please see the [Backup Generator Submittal Requirements](#).
- If the gas line is to be submitted as a deferred submittal or revision to an existing permit, you will need to complete a [Revision Application form](#).
- If the gas line is to be a stand-alone permit, you need to complete a [Building Permit Application form](#).
- If the gas line is for a permanent outdoor structure, the project will be categorized as an accessory structure and the plans will need to be reviewed by Contra Costa County Central Sanitary District. Please see [Accessory Structures Submittal Requirements](#).

**\*Multiple sets are required for submitting in-person. Sheet size requirements apply to in-person & [electronic submittals](#).**

**Gas Line Plan:** (3 sets 11"x17" minimum, 24"x36" maximum)\*

- Gas Line can be a line diagram or an isometric diagram
  - Overlying Gas Line Plan on a plot plan is acceptable if combined plan is clear and legible.
  - If hand-drawn, must be drawn with a straight edge and legible.
  - Show Existing Gas Meter
- Specify type of Gas
- Indicate BTU of all appliances servicing gas line and provide total BTU the gas line is servicing
- Run of Gas Line with length of each segment of run shown on diagram
  - Indicate which portion of gas line is existing if connecting to an existing gas line.
  - Remember to count vertical and horizontal distances.
  - State the maximum pipe length from the further gas outlet back to the gas meter.
- Specify diameter of pipe for each segment of pipe
- Specify material of pipe for each segment of pipe (*e.g. steel, polyethylene plastic pipe, CSST, etc.*)
- Specify if it is a new dedicated line or if it will connect to an existing Gas Line.

If connecting to an existing gas line, provide diameter and material of existing pipe as well.
- Gas line calculation (recommended to provide if gas line has multiple branches with varying sizes)
- Project Address
- Description of work (*e.g. New dedicated gas line for.... , New gas line for.....*)
- Applicable Codes (*2019 CBC, 2019 CPC, etc.*)

Please note that all connected gas appliances are assumed to be operating at their maximum demand at the same time and the gas pipe sizing is based on the maximum possible gas appliance demand in BTUs per hour.

## Codes:

- CPC 1215.0 provides an example of a Gas Line Diagram and Calculation.
- CPC 1215.2 provides tables for sizing gas piping systems.