

# Electrical Bonding of Gas Piping

## Code Requirements

The British Columbia Electrical Code, section 10-406(4) requires all metallic gas lines to be bonded to the electrical system grounding conductor in order to eliminate any electrical potential between those systems and ground. Bonding gas piping protects anyone working on or coming into contact with the gas piping from sustaining a current flow between two different potentials.

## Specification

**A bonding conductor must be attached downstream of the meter set whether the service is steel or plastic and must not interfere with the ability to perform meter maintenance.** To ensure a good connection, the bonding must be permanently attached and connected to steel piping only. For a combination steel/copper house line connection, **the bonding should be installed on the steel piping as far from the meter connection as possible.** Where a copper gas line is used, it may be necessary to make this connection at a suitable steel fitting at an appliance such as a furnace or hot water tank as an acceptable location may not be available at the gas meter.

