

2024 IECC

NBI has submitted proposals into the ICC process to advance the 2024 IECC. The proposed amendments cover a wide range of measures and improve the code by adding additional efficiency, clarifying requirements, and creating greater flexibility for code users and local jurisdictions. Learn more at newbuildings.org/code_policy/2024-iecc-national-model-energy-code-base-codes.

Code Change Title: Testing of Gas Piping in Alterations **CEPI-218-21 Part I**

Summary: When new gas equipment is installed, the gas piping has to be leakage tested.

Add new definition as follows:

FUEL GAS. A natural gas, manufactured gas, liquified petroleum gas or a mixture of these.

Add new text as follows:

C502.3.3.1 Fuel gas pipe testing. Where new *fuel gas* equipment or a new *fuel gas* appliance is installed as part of an *addition*, all *fuel gas* piping that serves the equipment or appliance shall be tested and meet the requirements for leakage of Section 406 of the *International Fuel Gas Code*.

Exception: Where it has been demonstrated to the code official that the *fuel gas* piping has been tested and met the requirements of this section within the previous five years.

Add new text as follows:

C503.1.1 Fuel gas pipe testing. Where new *fuel gas* equipment or a new *fuel gas* appliance is installed as part of an *alteration*, all *fuel gas* piping that serves the equipment or appliance shall be tested and meet the requirements for leakage of Section 406 of the *International Fuel Gas Code*.

Exception: Where it has been demonstrated to the code official that the *fuel gas* piping has been tested and met the requirements of this section within the previous five years.

Gas piping degrades over time and leaks can go undetected for many reasons. In addition to the life-safety and emissions impact of leaking gas pipes, they also represent lost energy in buildings. This proposal requires that existing fuel gas piping that serves new gas equipment be tested for leakage and leaks be repaired in accordance with the International Fuel Gas Code.