

Energy Efficiency Standards for Residential Gas Boilers

The purpose of this regulation is to improve the energy efficiency of all new or replacement residential gas boilers. These products are a key component of a building's mechanical system, and improved energy efficiency can reduce energy costs for homeowners and businesses and reduce greenhouse gas emissions.

This circular includes updates to the Energy Efficiency Standards Regulation (EESR) for residential boilers that were approved Feb 16, 2021. Note that products manufactured for export from B.C. are exempt from these regulations.

For further information on energy efficiency standards, including detailed guidance on specific products, visit: [British Columbia | Energy Efficiency Standards](#)

Regulated Product

“Residential Gas Boiler” means a boiler that uses propane or natural gas, is intended for application in a hot water (hydronic) central heating system, and has an input rate of less than 87.92 kW (300,000 Btu/h). The regulation applies to space heating boilers and combo boilers that may service a domestic hot water system in addition to a space heating system.

Updated Energy Performance Standard

Residential gas boilers must have an annual fuel utilization efficiency (AFUE) equal to or greater than 90%.

Effective Date

This new¹ performance standard applies to products manufactured and sold after January 1, 2022.

Certification and Labelling

Product certification and labelling requirements are harmonized with the federal energy efficiency regulation. Products must have an energy efficiency verification label showing the trademark of a certification body accredited by the Standards Council of Canada.

Test Standard

The product must be tested using CSA P.2-13 – Testing method for measuring the annual fuel utilization efficiency of residential gas-fired or oil-fired furnaces and boilers.

¹ Residential gas boilers were not previously regulated by the province.