



## QUESTIONS & ANSWERS

### REGULATION RESPECTING REPLACEMENT GAS FURNACES AND SMALL GAS BOILERS UNDER THE ENERGY ACT

**1. Q: Why was the regulation made?**

**A:** Section 10 of Manitoba's *Climate Change and Emissions Reductions Act* (CCERA) requires the Minister responsible for the provincial *Energy Act* to make recommendations to Cabinet about establishing provincial energy efficiency standards for residential furnaces and boilers for implementation in 2009. The *Energy Efficiency Standards for Replacement Forced Air Gas Furnaces and Small Boilers Regulation*, M.R.181/2009 fulfills this requirement under section 10 of CCERA.

**2. Q: What does *The Energy Act* cover?**

**A:** Under *The Energy Act*, the government of Manitoba has the authority to make regulations to establish or adopt standards for the efficient use of energy. This includes the design and testing of energy-using products. The Act enables the government to determine the energy-using products to which the Act will apply and to regulate or prohibit the sale or lease of energy-using products that do not meet the established energy efficiency standards.

**3. Q: Were consultations held on the proposed regulation?**

**A:** Consultations on proposed energy efficiency standards for replacement forced air gas furnaces and small gas boilers were held in August 2009. In addition, in October and November 2007, Manitoba Hydro organized industry meetings about the possibility of a provincial regulation.

**4. Q: What energy-using products are covered by the regulation?**

**A:** The regulation applies to gas furnaces and small gas boilers to be sold or leased as replacements for existing furnaces, boilers and other heating appliances or equipment.

Gas furnaces subject to the regulation are defined as central forced air furnaces that

- use natural gas or propane,
- have an input rating not exceeding 65.92 kW (225,000 Btu/h), and
- use single-phase electric current.

Gas boilers subject to the regulation are defined as gas-fired central boilers that

- use natural gas or propane,
- are intended for application in low pressure steam or hot water central heating systems, and
- have an input rating not exceeding 88kW (300,000 Btu/h).

These types of furnaces and boilers would typically be installed in residential dwellings, but also could be installed in some small commercial buildings.

**5. Q: Why is the regulation limited to replacement gas furnaces and small gas boilers?**

**A:** The regulation is limited to the replacement market because efficiency standards for gas furnaces and small gas boilers in new construction are under consideration for inclusion in the Manitoba Building Code. These efficiency standards are expected to be implemented in 2010.

**6. Q: What efficiency standard does the regulation set for replacement gas furnaces?**

**A:** The energy efficiency level for replacement gas furnaces in Manitoba is a minimum Annual Fuel Utilization Efficiency (AFUE) of 92%.

**7. Q: What efficiency standard does the regulation set for replacement small gas boilers?**

**A:** The proposed minimum AFUE for small gas boilers is 82% for hot water gas boilers and 80% for low pressure steam gas boilers. Both types of boilers must not have a continuously burning pilot light.

**8. Q: Who must comply with the regulation?**

**A:** Persons who sell, offer for sale, lease or offer for lease replacement gas furnaces or gas boilers in Manitoba are required to comply with the regulation.

**9. Q: What standard does the regulation adopt for the purpose of testing the efficiency levels of replacement gas furnaces and small gas boilers?**

**A:** The regulation adopts the following standard for measuring the AFUE of gas furnaces and gas boilers: CAN/CSA-P.2-07, *Testing Method for Measuring the Annual Fuel Utilization Efficiency of Residential Gas-Fired Furnaces and Boilers*. This testing standard also has been adopted in Canadian federal energy efficiency regulations.

**10. Q: Who verifies the energy efficiency of replacement gas furnaces and small gas boilers?**

**A:** The regulation designates testing agencies or other organizations accredited by the Standards Council of Canada for the purpose of certifying or verifying the energy efficiency of the gas furnaces and gas boilers under the regulation.

This requirement mirrors requirements in Canadian federal energy efficiency regulations.

**11. Q: Are there labelling requirements for gas furnaces and small gas boilers?**

**A:** After December 30, 2009, replacement gas furnaces and small gas boilers will have to display a label containing the registered trademark or symbol of the testing agency that verified the AFUE rating of the furnace or boiler.

**12. Q: Are there exemptions from the regulation?**

**A:** The following types of gas furnaces and gas boilers are exempt from the regulation:

- gas furnaces intended for installation in mobile homes or recreational vehicles;
- through-the-wall gas furnaces;
- outdoor gas furnaces;
- gas furnaces or gas boilers manufactured in Manitoba for export;
- products manufactured for export from Manitoba that incorporate a gas furnace or a gas boiler.

**13. Q: When will the regulation take effect?**

**A:** The regulation will take effect on December 1, 2009. The proposed efficiency standards become effective after December 30, 2009.

The regulation will require all gas furnaces and small gas boilers sold or leased after December 30, 2009 as replacement units to comply with the new efficiency standards. After that date, inventories of furnaces and boilers with lower efficiency levels can no longer be sold or leased as replacement units, but can be sold or leased in the new construction market, provided they meet the federal efficiency regulations.

**14. Q: Where can I report concerns about non-compliance with the regulation?**

**A:** Concerns about non-compliance can be reported to either of the following:

**Green Manitoba**

1200-155 Carlton Street

Winnipeg, Manitoba R3C 3H8

Phone: 204-945-3268

Toll free: 1-866-460-3188

Email: [info@greenmanitoba.ca](mailto:info@greenmanitoba.ca)

**Mechanical and Engineering Branch**

Manitoba Labour and Immigration

500-401 York Ave.

Winnipeg, Manitoba R3C 0P8

Phone: 204-945-3373

**15. Q: Where can I find a copy of the regulation?**

**A:** The link to the regulation can be found on the Green Manitoba website at: [greenmanitoba.ca](http://greenmanitoba.ca). The regulation is available on the Manitoba Laws website at the following link:

<http://web2.gov.mb.ca/laws/regs/2009/181.pdf>

A copy of the regulation can also be obtained by contacting:

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