

Ontario's Building Code

ONTARIO ONLY	PROPOSED CHANGE TO THE 2006 BUILDING CODE		
CHANGE NUMBER	E-B-12-03-01	CODE REFERENCE	Div. B 12.3.1.4.
DESCRIPTION OF PROPOSED AMENDMENT	Require electronically commutated motor for space heating furnaces in dwelling units governed by Part 9, effective January 1, 2015.		

EXISTING 2006 BUILDING CODE PROVISION(S)

None.

PROPOSED CODE CHANGE

Add new Article 12.3.1.4. as follows:

12.3.1.4. Residential Furnaces after December 31, 2014

- (1) A space heating furnace serving a *dwelling unit* shall be equipped with an electronically commutated motor (ECM).

RATIONALE FOR CHANGE

Problem / General Background

Furnace fans that are equipped with ECM motors will contribute to energy conservation.

Justification / Explanation

The Building Code Energy Advisory Council recommended that this proposal be included.

The Green Energy and Green Economy Act, 2009 signalled a commitment to using the Building Code to support energy priorities. That legislation amended the Building Code Act, 1992 to clarify that conservation was a “purpose” of the Code, provided for regular reviews of the energy conservation provisions of the Code, and authorized the establishment of the Building Code Energy Advisory Council.

This potential change discussed above would support Ontario's priorities related to:

- Reducing electricity consumption in support of Ontario's Long Term Energy Plan;
- Supporting the Province's climate change strategy by reducing the amount of greenhouse gases produced by the operation of buildings, and reduce greenhouse gas emissions through energy efficiency requirements; and
- Supporting the growth of a green economy by creating a market for energy efficient and renewable energy technologies.

Cost / Benefit Implications

Some increase in capital cost but will reduce operating costs for homeowner.

Enforcement Implications

Negligible

Who is Affected

Building officials, designers, builders and building owners will be affected. There would be a significant impact on the manufacturing sector.

Objective-Based Analysis

Provision	
Objective	
Functional Statement	