

Proposed Changes

Nova Scotia Building Code 2009

Presentation to
EnerGuide 2009

Labour and Workforce Development


NOVA SCOTIA

Overview

- Consultation Results
- What was proposed
 - Adopt Revisions and Errata to the NBC and NPC
 - Clarify existing requirements
 - for barrier free emergency response facilities
 - sprinkler requirements for small residential buildings.
 - Add objectives for water and energy efficiency
 - Add technical requirements
 - for water conservation
 - for energy conservation
- Timing

Consultation Results

- 87 commentators
 - 93 categories
 - Several 100 issues
 - All addressed
Energy
 - administrative issues
 - A few
 - water
 - Sprinkler
- We heard from
 - Builders
 - Manufacturers
 - Designers
 - Associations
 - National, Regional & Provincial
 - Municipalities
 - Building Officials

Consultation Results

- Overall Support
 - Most addressed residential
 - Non-residential prescriptive solutions
 - All endorsed the province taking action
 - Most wanted delay of implementation
 - Education and training
 - Administrative issues
 - Consistency
 - Clarity
 - Compliance Options
 - Several preferred working on national rather than provincial codes

Consultation Results

- Revisions and Errata
 - NBC published by the Canadian Commission on Building and Fire Codes
 - NPC published by the Canadian Commission on Building and Fire Codes
 - Nova Scotia Building Code Regulation

No Comments

Consultation Results

- Other Amendments
 - Barrier Free
 - one comment
 - Sprinkler
 - Clarifications
 - » several comments
 - » one additional change proposed
- **Under review by an ad hoc task group**

Consultation Results

- Add new objectives, sub-objectives, functional statements
 - Amendments create a new objective and sub-objectives to the National Building and Plumbing Codes
 - Add new functional statements
- **One comment on language.**

Consultation Results

- Water Conservation
 - All Buildings
 - Low flow fixtures
 - Low flush fixtures
 - Greywater
 - Wastewater heat recovery
 - Exemptions
- **several comments on administrative enforcement issues**

Consultation and Results

Energy Conservation

- All Part 9 Buildings
 - Residential
 - Non Residential
- Two paths to compliance
 - Prescriptive path
 - Performance path
 - EnerGuide for New Homes
 - R 2000
- **Comments supportive**
 - **Most wanted additional time to implement**
 - **Many sought improved administrative choices & flexibility**

Consultation Results

Some of the Proposed Residential Insulation Values

Attics & Roofs	R 40	
Walls	R 25	
ICF Walls & Foundations		R 22
Foundations	R 25	
Frost walls	R 8	
All Basement slabs	R 10	

- **Comments on**
 - **Inconsistencies**
 - **Trades offs**
 - **Additional inspections**

Consultation Results

- Residential Windows & Doors - ENERSTAR ratings
 - Windows Heat transfer coefficient not more than $1.8 \text{ W/m}^2\text{°C}$
 - Energy Rating not less than
 - » 25 operable window
 - » 35 fixed window
 - Skylights
 - Heat transfer coefficient not more than $2.6 \text{ W/m}^2\text{°C}$
 - Energy Rating not less than 25
- **We heard we need improved identification for compliance**
 - **Work with industry and regulators to determine**

Consultation Results

Residential Furnaces – Nova Scotia Energy Efficient Appliance Act

- Propane 90% efficient
- Natural Gas 90% efficient
- Oil
 - hot air 83% efficient
 - hot water 85 % efficient
- **Suggestion that we refer to Energy Regulation**

Consultation Results

- Residential – Performance Paths
 - EnerGuide for New Homes
 - EnerGuide for New Residential Buildings
 - R 2000
- **Generally supported as equivalent performance solutions**

Consultation Results Non-Residential

- **Comparatively silent**
- **Sought more prescriptive solutions**

Consultation Results

Exemptions

- Heritage Buildings
- Farm Buildings
- Non Heating Season Occupancies such as
 - Summer cottages
 - Summer children's camps
- Unconditioned Buildings
- Primary Manufacturing and Processing Buildings such as
 - Saw Mills
 - Printing Plants
 - Repair Garages
 - Woodworking
 - Creameries
 - Power Plants
 - Parking Garages
 - Pumping Stations
- **No Comments**

Timing

- Reviews have started
 - Meetings
 - industries representatives
 - associations
 - Technical & Administrative Reviews
 - worked started
 - Ad hoc committees by subject area
 - Training and Education
 - Materials under development residential sector
 - 2 day course
 - Online course
 - Best Practice Guide
 - Additional resources and materials to be identified
 - Non-Residential [not as advanced]
 - 2 day course
 - Online course
 - Best Practice Guide

Timing

- The proposed prescription date not set
 - Assume late spring to early fall for everything except energy
- The proposed implementation date for Energy will be not later than
December 31, 2009

The Bottom Line

- New code requirements
 - Residential will be equivalent
 - will be prescriptive
 - will provide performance paths such as
 - EnerGuide 80
 - R 2000
 - Non Residential
 - will be prescriptive
 - will provide performance paths
 - MNECB plus 18 percent

The Bottom Line

- Environmental Goals and Sustainable Prosperity Act
 - 2008 label all new homes
 - Meet NS Code or EnerGuide 80 by 2011
- The Code will exceed both provisions by addressing
 - All Part 9 Buildings in 2009 including renovations, alterations and additions.
- And it's planned to add
 - All Large Buildings by 2011-12

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Welcome to the Construction Industry Compliance Information Portal. The purpose of this portal is to assist individuals and businesses in the Nova Scotia construction industry achieve compliance with provincial legal standards, and help facilitate better, faster access to information.

The site contains compliance related information from Nova Scotia government departments (Read our [Disclaimer](#)). To better serve your needs, ongoing updates and enhancements are planned.

We Want to Hear From You

The new Construction Industry Portal is designed to help the industry identify requirements set out in provincial legislation. Can you find

Did You Know?

In Nova Scotia, construction industry employs more than 32,000 workers, representing about 6% of Nova Scotian workforce.

Latest Updates

[Changes to the Environmental Assessment Regulations \(August, 2008\)](#)

[Apprenticeship Training 2008-2009 \(PDF\) \(July, 2008\)](#)

[Minimum Wage Increase \(effective May 1, 2008\)](#)

[Posting Requirements for Occupational Health and Safety Act/Regulations and Smoke Free Places \(March, 2008\)](#)

<http://www.gov.ns.ca/constructionportal/>

Labour and Workforce Development



QUESTIONS

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