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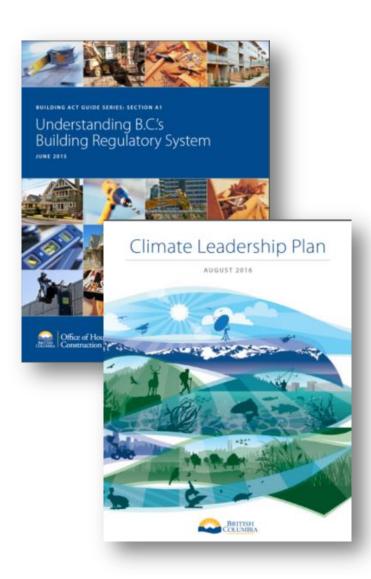
The Energy Step Code



BC's Energy Step Code: Building Beyond the Standard

- Where we're going
- How we plan to get there
- How to engage in the process

Two Provincial Initiatives Set the Stage



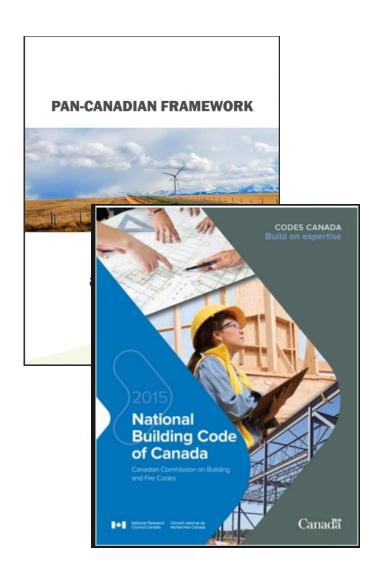
Building Act

- Consistency, Competency & Innovation
- December 2017 marks the end of local building requirements in bylaws.

Climate Leadership Plan

Establishes a target that all new construction will be net-zero ready by 2032.

National Strategy



Pan Canadian Framework

- Net-zero energy ready by 2030
- Create plan for existing buildings by 2022

National Building Code of Canada

- Introduce a roadmap by 2020
- Building on lessons in BC

Local Government Approaches to Energy Efficiency

Eliminating the Patchwork:

- Local government adopted a wide range of programs and approaches to address building energy efficiency.
- Development industry struggled to stay on top of these requirements.
- BC Energy Step Code offers a common standard for achieving building energy goals.



Energy Efficiency Working Group





































| LOCAL GOVERNMENTS

NGOs



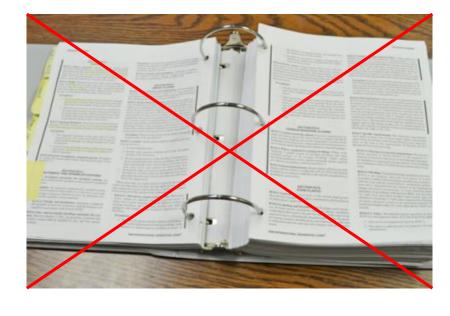
A Focus on Performance



Performance Compliance







Energy modeling

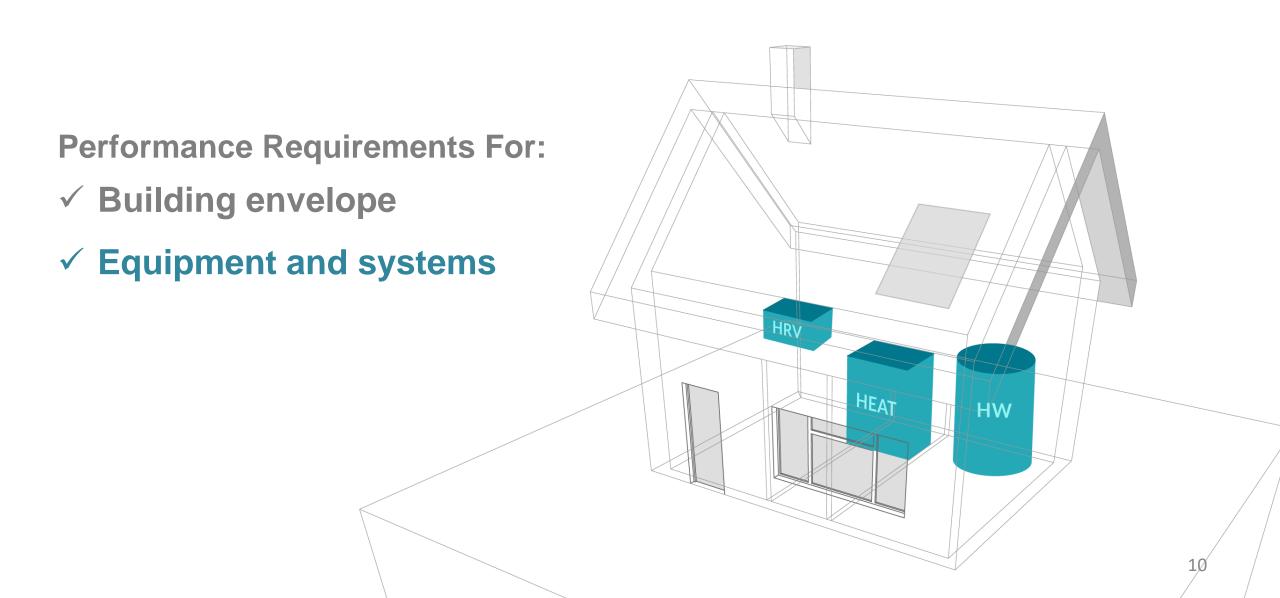
Air-Tightness Testing

No Prescriptive Requirements

What Does the BC Energy Step Code Measure?



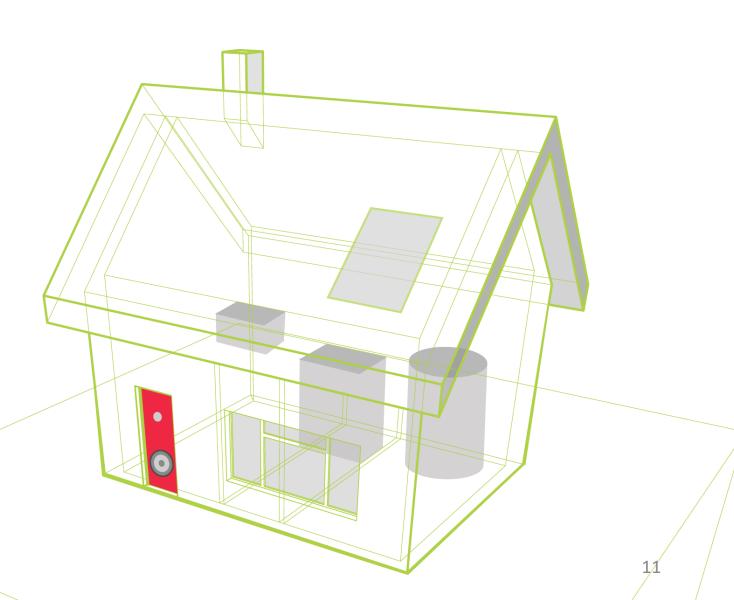
What Does the BC Energy Step Code Measure?



What Does the BC Energy Step Code Measure?

Performance Requirements For:

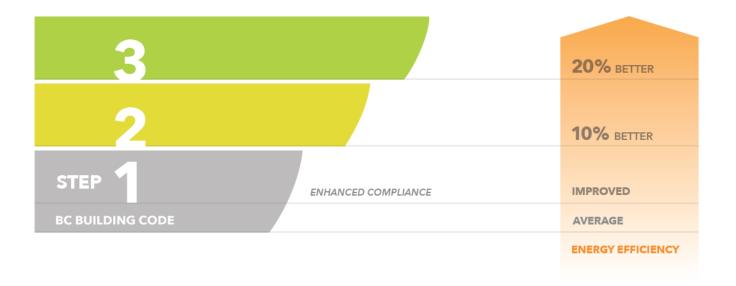
- ✓ Building envelope
- √ Equipment and systems
- ✓ Post-construction testing
 - Airtightness



Part 9 | Step 1: Enhanced Compliance

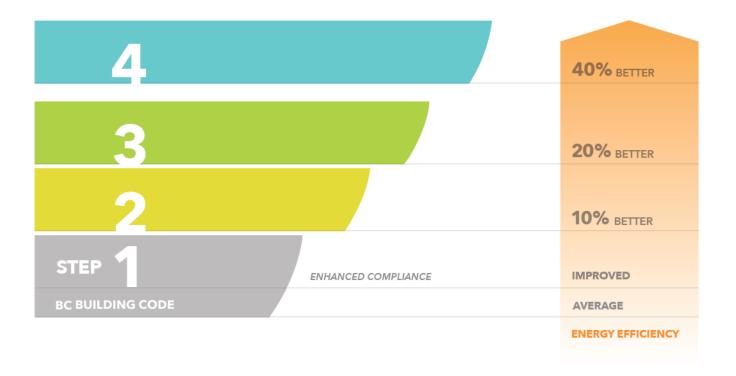


Part 9 | Steps 2 and 3: The Lower Steps

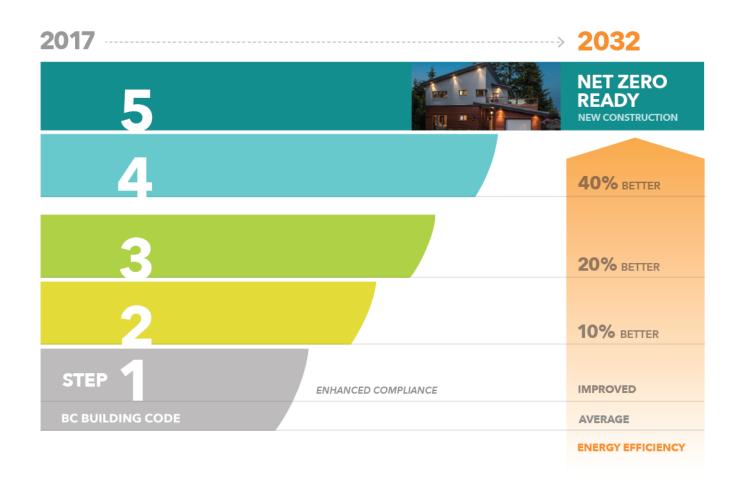


Part 9 | Step 4: The Threshold to the Upper Steps





Part 9 | Step 5: Net Zero Ready New Construction



Existing Program Equivalencies



Part 3: High Performance Large + Complex Buildings

PATHWAY TO 2032: PART 3 (MULTI-UNIT RESIDENTIAL)



Geographic Availability

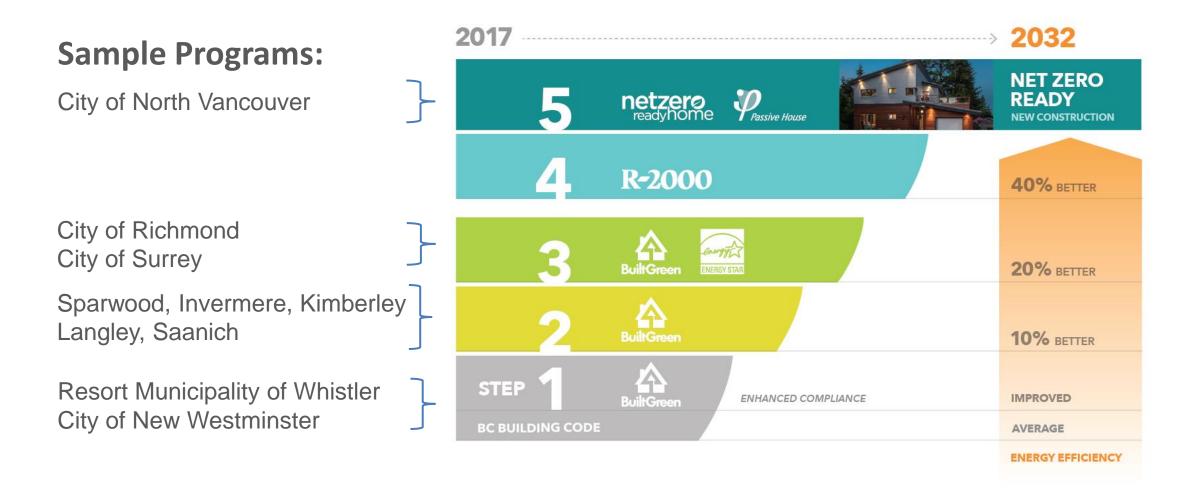
Part 9 Targets: Province Wide

Part 3 Targets:
Lower Mainland and
South Vancouver Island

Province may add or adjust targets in future



Alignment With Energy Efficiency Incentive Programs



Putting into Practice: Possible Implementation Approaches

	A LOCAL GOVERNMENT	B LOCAL GOVERNMENT	C LOCAL GOVERNMENT
UPPER STEPS		STATE INTENT FOR CITY-WIDE BYLAW AFTER 2025	MAJOR DENSITY BONUS INCENTIVE
LOWER STEPS	INCENTIVE BASED PROGRAM	STATE INTENT FOR CITY-WIDE BYLAW AFTER 2020	REZONING POLICY & BUILDING PERMIT REBATE INCENTIVE
STEP		CITY-WIDE BUILDING BYLAW IN 2018	CITY-WIDE BUILDING BYLAW
BC BUILDING CODE			

Research and Support Resources

LOCAL GOVERNMENTS



| PROVINCIAL GOVERNMENT

BUILDERS & DEVELOPERS

UTILITIES











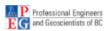












Completed or Underway:

- Resource hub: energystepcode.ca
- Training and capacity assessment
- Costing study
- Local government readiness survey
- Peer network for local government staff
- Webinars and presentations

Research and Support Resources

LOCAL GOVERNMENTS



| PROVINCIAL GOVERNMENT

BUILDERS & DEVELOPERS

UTILITIES























Getting to 2032:

- Clear destination
- Common approach
- Commitment to shared success

Thank You!

Questions?

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