

BC ENERGY COMPLIANCE REPORT - PERFORMANCE PATHS FOR PART 9 BUILDINGS

For Buildings Complying with Subsection 9.36.5. or 9.36.6. of the 2018 BC Building Code (see BCBC Article 2.2.8.3. of Division C)

A: PROJECT INFORMATION

Building Permit #: _____ **Building Type:** _____
Builder: _____ **If Other, Please Specify:** _____
Project Address: _____ **Number of Dwelling Units:** _____
Municipality / District: _____ **Climate Zone:** _____
Postal Code: _____ **Floor Area of Conditioned Space (m²):** _____
PID or Legal Description: _____

BC Building Code Performance Compliance Path (select one):

9.36.5. ➔ Complete Sections A, B, C, & E
 9.36.6. ➔ Complete Sections A, B, D, & E

Software Name: _____ **Version:** _____ **Climatic Data (Location):** _____

B: BUILDING CHARACTERISTICS SUMMARY (see BCBC Clause 2.2.8.3.(2)(b) of Division C)

	DETAILS (ASSEMBLY / SYSTEM TYPE / FUEL TYPE / ETC.)	EFFECTIVE RSI-VALUE / EFFICIENCY
EXTERIOR WALLS & FLOOR HEADERS		
ROOF / CEILINGS		
FOUNDATION WALLS, HEADERS, & SLABS	_____ Slab Is: <input type="checkbox"/> Below OR <input type="checkbox"/> Above Frost Line AND <input type="checkbox"/> Heated OR <input type="checkbox"/> Unheated	
FLOORS OVER UNHEATED SPACES		
FENESTRATION & DOORS	_____ FDWR: _____ %	
AIR BARRIER SYSTEM & LOCATION		
SPACE CONDITIONING (HEATING & COOLING)		
SERVICE WATER HEATING		
VENTILATION		
OTHER ENERGY IMPACTING FEATURES		

Based on information provided by the builder and drawings prepared by _____, dated _____.

C: 9.36.5. ENERGY PERFORMANCE COMPLIANCE (see BCBC Clause 2.2.8.3.(2)(c) of Division C)

Complete this section only if using the Energy Performance Compliance Path in Subsection 9.36.5.

PROPOSED HOUSE RATED ENERGY CONSUMPTION (GJ/YEAR)	
HVAC	
Hot Water Heating	
SUM	

REFERENCE HOUSE RATED ENERGY TARGET (GJ/YEAR)	
HVAC	
Hot Water Heating	
SUM	

The airtightness value used in the energy model calculations for the Proposed House is:

4.5 ACH @ 50Pa 3.5 ACH @ 50Pa **OR** Tested At _____ ACH @ 50Pa

The above calculation was performed in compliance with Subsection 9.36.5. of Division B: Yes No

D: 9.36.6. ENERGY STEP CODE COMPLIANCE (see BCBC Sentence 2.2.8.3(3) of Division C)

Complete this section only if using the Energy Step Code Compliance Path in Subsection 9.36.6.

Proposed House Rated Energy Consumption (GJ/year): _____ Reference House Rated Energy Target (GJ/year): _____

METRIC	UNITS	REQUIRED	PROPOSED
Step Code Level	Step 1, 2, 3, 4, or 5		
Mechanical Energy Use Intensity (MEUI)	kWh/(m ² -year)	(max)	
ERS Rating % Lower Than EnerGuide Reference House, <i>where applicable</i>	%	(min)	
Thermal Energy Demand Intensity (TEDI)	kWh/(m ² -year)	(max)	
Airtightness in Air Changes per Hour at 50 Pa differential	ACH @ 50 Pa	(max)	
Step Code Design Requirements Met: <input type="checkbox"/> Yes <input type="checkbox"/> No			

The above calculation was performed in compliance with (see BCBC Clause 2.2.8.3.(2)(e) of Division C)

Select One:

- Subsection 9.36.5.,
- The Passive House Planning Package (PHPP), version 9 or newer, and the energy model was prepared by a Certified Passive House Designer or Certified Passive House Consultant,
- The EnerGuide Rating System (ERS), version 15 or newer, or
- The applicable requirements of NECB Part 8 and the City of Vancouver Energy Modelling Guidelines.

E: COMPLETED BY

Full Name (Print): _____
 Company Name: _____
 Phone: _____
 Address: _____
 Email: _____
 Date (dd/mm/yyyy): _____

If applicable, enter ERS information:
 Advisor ID Number: _____
 Service Organization: _____
 EnerGuide P #: _____

SUPPLEMENTARY INFORMATION

Supplementary information is not required for Code Compliance but may be requested by the local municipality/district.

Where applicable, all metrics within Section F are calculated with baseloads included. If required, complete the applicable sections below.

F: OTHER ENERGY MODELLING METRICS

#	METRIC	UNITS	REFERENCE HOUSE	PROPOSED HOUSE
1	Airtightness NLA@10Pa	cm ² /m ²		
2	Rated Greenhouse Gas Emissions	kg/year		
3	Rated Greenhouse Gas Intensity	kg/m ² /year		
4	Rated Energy Use Intensity	GJ/m ² /year		
5	Peak Thermal Load (PTL)	W/m ²		
6	% of the Building's Conditioned Space Served by Space-Cooling Equipment	%		
7	% Lower Than Reference House With Baseloads Included	%		

#	ENERGY SOURCE	REFERENCE HOUSE ENERGY CONSUMPTION (GJ/YEAR)	PROPOSED HOUSE ENERGY CONSUMPTION (GJ/YEAR)
8	Electricity		
	Natural Gas		
	Propane		
	District Energy		
	On-Site Renewables		
	Other:		
		TOTAL	

G: OPTIONAL CERTIFICATIONS

PENDING:

BUILTGREEN®, Level: _____

Certified Passive House

CHBA Net Zero House

ENERGY STAR® for New Homes

LEED® for Homes

R2000

Other: _____