

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 a site evaluation completed on: _____.

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.

AS-BUILT 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 As-Built 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.

As-Built House Rated Energy Consumption (GJ/year): _____ Reference House Rated Energy Target (GJ/year): _____

METRIC	UNITS	REQUIRED	PROPOSED	AS-BUILT
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 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 #: _____
 EnerGuide N #: _____

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	AS-BUILT 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)	AS-BUILT 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: _____