

BC ENERGY COMPLIANCE REPORT - PERFORMANCE PATHS FOR PART 9 BUILDINGS

Revised May 06, 2020

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 #:	<input type="text"/>	Building Type*:	<input type="text" value="Select One"/>
Builder:	<input type="text"/>	If Other, Please Specify:	<input type="text"/>
Project Address:	<input type="text"/>	Number of Dwelling Units:	<input type="text"/>
Municipality / District:	<input type="text"/>	Climate Zone:	<input type="text" value="4"/>
Postal Code:	<input type="text"/>	Heating Degree Days:	<input type="text"/>
PID or Legal Description:	<input type="text"/>	Floor Area of Conditioned Space (m ²):	<input type="text" value="-"/>

BC Building Code Performance Compliance Path:
(Select boxes that apply)

Building Type must be selected in order to auto populate this report correctly

- 9.36.6. Complete Sections A, B, D, & E
- 9.36.5., NOT complying with Step Code Complete Sections A, B, C, & E
- 9.36.5., complying with Step Code Complete Sections A, B, C, 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.)		Eff R _{SI} , U _{SI} , SHGC, etc
Exterior Walls & Floor Headers	<input type="text"/>	Effective R _{SI} <input type="text"/>
Roof / Ceilings	<input type="text"/>	Effective R _{SI} <input type="text"/>
Foundation Walls, Headers, & Slabs	<input type="text"/> Slab Is: <input type="checkbox"/> Below OR <input type="checkbox"/> Above Frost Line <input type="checkbox"/> Heated OR <input type="checkbox"/> Unheated	Effective R _{SI} <input type="text"/>
Floors Over Unheated Spaces	<input type="text"/>	Effective R _{SI} <input type="text"/>
Fenestration & Doors	<input type="text"/> FDWR: <input type="text"/> %	U _{SI} SHGC <input type="text"/>
Air Barrier System & Location	<input type="text"/>	<input type="text"/>
Space Conditioning (Heating & Cooling)	<input type="text"/>	% , HSPF, or SEER <input type="text"/>
Service Water Heating	<input type="text"/>	EF or % eff <input type="text"/>
Ventilation	<input type="text"/>	<input type="text"/>
Other Energy Impacting Features	<input type="text"/>	<input type="text"/>

Based on information provided by the builder and drawings prepared by
Dated (YYYY/MM/DD)

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

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

Proposed House 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 if using the Energy Step Code Compliance Path in Subsection 9.36.6.

If using 9.36.5 to comply with 9.36.6, print and manually fill in the table below. The table below auto-fills from the calculator worksheets and the fields cannot be overwritten.

Rated Energy Consumption (GJ/year): Proposed House - Reference House - | **HDD:** 2960.9

Metric	Units	Required	Proposed
Step Code Level	Step 1, 2, 3, 4, or 5	1	1
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)	
Adjusted TEDI	kWh/(m ² -year)	- (max)	
Building Envelope % Better	%	- (max)	
Airtightness in Air Changes per Hour at 50 Pa differential	ACH @ 50 Pa	- (max)	
Step Code Design Requirements Met:			

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.
- The "Instructions for Modelling Attached Ground Oriented Part 9 Residential Buildings" (found in Section 6 of the BC Energy Compliance Reports Instruction Manual)

E: COMPLETED BY

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

Service Organization: _____
 Service Organization #: _____ Advisor ID #: _____

EnerGuide P-file #'s: _____

CODECO entered into Info Field 8 of HOT 2000

Note: The same EA will have different ID #s with different SOs

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	Normalized Leakage Area (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	%	N/A	-
7	% Lower Than Reference House With Baseloads Included	%	N/A	-

#	Energy Source	Reference House Energy Consumption (GJ/year)	Proposed House Energy Consumption (GJ/year)
8	Electricity	-	-
	Natural Gas	-	-
	Propane	-	-
	District Energy	N/A	-
	On-Site Renewables	N/A	-
	Other:	-	-
	Total	-	-

G: OPTIONAL CERTIFICATIONS

PENDING

- BUILTGREEN®, Level: _____
- Certified Passive House
- CHBA Net Zero House

PENDING

- ENERGY STAR® for New Homes
- LEED® for Homes
- R2000
- Other: _____