

## HOUSE PERFORMANCE REPORT (PRE-CONSTRUCTION)

for 9.36.5 or 9.36.6 (Energy Step Code) Energy Performance Compliance

Last updated March 10, 2020

**Instructions**

1. Effective December 12, 2019
2. To be submitted at the time of Building Permit application, accompanied with supporting documentation

### PROJECT INFORMATION

Project Address: \_\_\_\_\_

Building Type:  Coach House  Single-family  Duplex  Rowhouse/Townhome  Apartment <4 storeys  Other

BCBC Compliance Pathway:  9.36.5 Energy Performance (SECTION A +B)  9.36.6 Passive House (SECTION A+D)  
 9.36.6 (Energy Step Code) - Step Pursued:\_\_\_\_\_ (SECTION A +C)

Floor Area of Conditioned Space: \_\_\_\_\_ m<sup>2</sup>  
 Building Height: \_\_\_\_\_ storeys  
 Building Permit #: \_\_\_\_\_  
 Based on drawings dated \_\_\_\_\_

**COMPLETE IF APPLICABLE**

**Rezoning, and/or DP Commitment  
Required Performance Metric:**

\_\_\_\_\_

### SECTION A: BUILDING CHARACTERISTICS SUMMARY

Exterior Walls <i>(Construction + Effective R-Value)</i>	
Roof/Attic <i>(Construction + Effective R-Value)</i>	
Foundation/Below-Grade Walls & Slabs <i>(Construction + Effective R-Value)</i>	Slab Is: <input type="checkbox"/> Below OR <input type="checkbox"/> Above Frost Line <b>AND</b> <input type="checkbox"/> Heated OR <input type="checkbox"/> Unheated
Windows, Doors & Skylights <i>(Type + Overall U-Value)</i>	
Space Conditioning <i>(System Type, Fuel Source, Performance Rating)</i>	
Ventilation <i>(Design basis according to Section 9.32)</i>	
Hot Water Heating <i>(System Type, Fuel Source, Performance Rating)</i>	
Air Barrier System & Location	
Other Energy Impacting Features <i>(Design basis)</i>	

**SECTION B: 9.36.5 - ENERGY PERFORMANCE COMPLIANCE (complete if applicable)**

Energy Modeling Software (Version): \_\_\_\_\_ Climatic data (location): \_\_\_\_\_

Reference Building	Proposed Building
HVAC <i>(Energy Use + Fuel Source)</i> <input style="width: 80%;" type="text"/>	HVAC <i>(Energy Use + Fuel Source)</i> <input style="width: 80%;" type="text"/>
Hot Water Heating <i>(Energy Use + Fuel Source)</i> <input style="width: 80%;" type="text"/>	Hot Water Heating <i>(Energy Use + Fuel Source)</i> <input style="width: 80%;" type="text"/>
<b>TOTAL</b> <i>(Energy Use in GJ)</i> <input style="width: 80%;" type="text"/>	<b>TOTAL</b> <i>(Energy Use in GJ)</i> <input style="width: 80%;" type="text"/>

FDWR of the Reference House \_\_\_\_% (Between 17 – 22%) FDWR of the Proposed House \_\_\_\_%

**SECTION C: 9.36.6 (ENERGY STEP CODE) - ENERGY PERFORMANCE COMPLIANCE (complete if applicable)**

Energy Consumption: Reference: \_\_\_\_\_ (GJ/year) Proposed: \_\_\_\_\_ (GJ/year)  
(if using the EnerGuide Rating System)

Metric	Units	Required <small>(by local bylaw)</small>	Proposed
Step Code Level	1-5		
Airtightness	ACH @ 50 Pa		
Building Equipment and Systems	ERS Improvement over Reference House % lower		
	OR		
Building Equipment and Systems	Mechanical Energy Use Intensity (MEUI) >50% A/C Space <input type="checkbox"/> OR <50% A/C Space <input type="checkbox"/>	kWh/(m <sup>2</sup> ·yr)	
	Building Envelope	Thermal Energy Demand Intensity (TEDI): Choose one: <input type="checkbox"/> Baseline Method <input type="checkbox"/> Calculated Adjusted Method <input type="checkbox"/> ERS Improvement over Reference House	kWh/(m <sup>2</sup> ·yr) or % improved

**SECTION D: 9.36.6 (PASSIVE HOUSE) (complete if applicable)**

The Passive House Planning Package (PHPP), Current Version, and the energy model was prepared by a Certified Passive House Designer or Certified Passive House Consultant approved by the Passive House Institute. (9.36.6.3.(3))

**DESIGN CONFIRMATION (applicable to all compliance pathways)**

*The undersigned has produced and/or reviewed the House Performance Evaluation for the above-mentioned project, created based on the project's design as provided by the Designer of Record. The undersigned has verified that the project substantially complies with the Subsection 9.36. of Division B, as detailed in the 2018 BC Building Code.*

Signature: \_\_\_\_\_

Name: \_\_\_\_\_ (please print) Date Signed: \_\_\_\_\_

Phone #: \_\_\_\_\_ E-Mail: \_\_\_\_\_

Company Name & Address: \_\_\_\_\_