

HOUSE PERFORMANCE REPORT (PRE-CONSTRUCTION)

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

Last updated June 4, 2021

Instructions

1. Effective July 1, 2021

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 (COMPLETE SECTION A + B)

☐ 9.36.6 (Energy Step Code) - Step Pursued: _____ (COMPLETE SECTION A + C)

CNV Low Carbon Energy Compliance Pathway:

Does the proposed building contain only low carbon energy equipment? ☐ YES → Step 3 ☐ NO → Step 5

Floor Area of Conditioned Space: _____ m²

Building Height: _____ storeys

Building Permit #: _____

COMPLETE IF APPLICABLE

Rezoning, and/or DP Commitment
Required Performance Metric:

SECTION A: BUILDING CHARACTERISTICS SUMMARY

Exterior Walls
(Construction + Effective R-Value)

Roof/Attic
(Construction + Effective R-Value)

Foundation/Below-Grade Walls & Slabs
(Construction + Effective R-Value)

Slab Is: ☐ Below OR ☐ Above Frost Line **AND** ☐ Heated OR ☐ Unheated

Windows, Doors & Skylights
(Type + Overall U-Value)

Space Conditioning
(System Type, Fuel Source, Performance Rating)

Ventilation
(Design basis according to Section 9.32 and System type and performance rating)

Hot Water Heating
(System Type, Fuel Source, Performance Rating)

Air Barrier System & Location

Other Energy Impacting Features

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

Energy Modeling Software (Version): _____ Climatic data (location): _____

Reference Building	Proposed Building
HVAC <small>(Energy Use + Fuel Source)</small>	HVAC <small>(Energy Use + Fuel Source)</small>
Hot Water Heating <small>(Energy Use + Fuel Source)</small>	Hot Water Heating <small>(Energy Use + Fuel Source)</small>
TOTAL <small>(Energy Use in GJ)</small>	TOTAL <small>(Energy Use in GJ)</small>

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 (by local bylaw)	Proposed
Step Code Level		1-5		
Airtightness		ACH @ 50 Pa		
Building Equipment and Systems	ERS Improvement over Reference House OR	% lower		
	OR			
Building Envelope	Mechanical Energy Use Intensity (MEUI): >50% A/C Space <input type="checkbox"/> OR <50% A/C Space <input type="checkbox"/>	kWh/(m ² ·yr)		
	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 ² ·yr) OR % improved		
Rated Greenhouse Gas Intensity (GHGI)		NOTE: GHGI to be calculated using highest emitting heating system, modeled as primary kg/(m ² /yr)		

For Passive House, please check the box below.

☐ 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 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: _____