

BULLETIN 2022-003-BU

May 19, 2022

Compliance Path Options for Residential Buildings of 1 to 3 Storeys and Houses (Buildings Subject to 10.2.1.5)

This bulletin addresses the compliance path options for buildings subject to the 10.2.1.5 requirements within the Vancouver Building By-law, per the intent of the original policy.

This bulletin provides clarifications regarding Article 10.2.1.5. “Residential Buildings of 1 to 3 Storeys and Houses” of the Vancouver Building By-law and identifies modeling options omitted from the January 1, 2022 changes to Part 10 that pertain to buildings that choose to follow the ‘Performance Path’ of Article 10.2.2.5.

Points for clarification

1) Energy Compliance Pathways

Residential 1 to 3 storey buildings and houses have the option, through Clause 10.2.1.5.(2)(a), to follow a Prescriptive Path or a Performance Path for compliance with energy requirements. Within the Performance Path (Article 10.2.2.5.), Sentence 10.2.2.5.(4) recognizes Passive House as an additional compliance path for buildings designed for Passive House certification.

	Prescriptive Path	Performance Path	Passive House Path
Selection Pathway	10.2.1.5.(2)(a)(ii)	10.2.1.5.(2)(a)(i) + 10.2.2.5.	10.2.1.5.(2)(a)(i) + 10.2.2.5.(4)
Article 10.2.2.5 (Energy Performance Modelling)	Not following the performance options of Article 10.2.2.5.	Following the performance modelling options of Article 10.2.2.5.	Following the Passive House design criteria permitted by 10.2.2.5(4)
Article 10.2.2.15 (Domestic Gas-fired Fireplaces)	60,000 BTU limit for total rated input of gas fireplaces (Sentence 10.2.2.15.(5)) – <u>does apply.</u> Sentences 10.2.2.15.(1) to (4) apply to all buildings. If there are no fireplaces provided, then Article 10.2.2.15. can be ignored.	60,000 BTU limit for total rated input of gas fireplaces (Sentence 10.2.2.15.(5)) – <u>does not apply.</u> Sentences 10.2.2.15.(1) to (4) apply to all buildings. If there are no fireplaces provided, then Article 10.2.2.15. can be ignored.	60,000 BTU limit for total rated input of gas fireplaces (Sentence 10.2.2.15.(5)) – <u>does not apply.</u> Sentences 10.2.2.15.(1) to (4) apply to all buildings. If there are no fireplaces provided, then Article 10.2.2.15. can be ignored.

Note: Regardless of selected pathway, the prescriptive minimums in Clauses 10.2.1.5. (2) (b) through (n) apply.

2) Accepted Energy Models

For 1 to 3 storey residential buildings and homes (Article 10.2.1.5.) which are following the performance options of Article 10.2.2.5. (Performance or Passive House Path) can demonstrate compliance by applying:

- a) the City of Vancouver (CoV) Energy Modeling Guidelines and applicable requirements of Part 8 of the NECB;
- b) the EnerGuide Rating System, completed by an Energy Advisor; or
- c) the Passive House Planning Package, completed by a Certified Passive House Designer/Consultant for certified Passive House projects.

(Original signed by)

(Original signed by)

S. Schwebs, Architect AIBC
Chief Building Official
Director, Building Policy, Inspections, and By-law
Services

K. Lau, P.Eng., CP
Manager, Building Policy Branch