



**Green Buildings Priority Stream
Entry Pathway #1:
National Energy Code of Canada for Buildings 2017 (NECB 2017)**

- A. Available to all buildings designed to exceed the minimum performance standards of NECB 2017 in keeping with the requirements detailed in paragraphs B or C below.
- B. Eligible projects must provide the following information when submitting a Development Permit application:
 - i. A list of renewable energy systems and/or key anticipated energy conservation measures.
 - ii. A **preliminary energy model**, prepared by a qualified Energy Advisor, demonstrating that the proposed development is being designed to:
 - o consume at least **25% less energy** (GJ/y) than the Reference Building; and
 - o emit **50% less emissions** (tCO₂e/y) than the Reference Building, through a combination of building performance improvements and renewable energy generation.
 - iii. A completed  [GHG Emissions Calculator](#) form for Part 3 buildings.
- C. Development projects that cannot achieve a 50% emissions reduction due to siting, building and other limitations may be considered if they meet a net zero ready standard¹

Building Performance Example

Modelled Energy Consumption and GHG Emission Savings Project "X" – 1 Building – 21 units								
	Energy Consumption			Renewable Energy & Net Energy Consumption		GHG Emissions ²		
	Reference Building (GJ/y)	Proposed Building (GJ/y)	Better Than Reference ³	Renewable Energy Gain (GJ/y)	Net Energy Consumption (GJ/y)	GHG Reference Building (tCO ₂ e/y)	GHG Proposed Building (tCO ₂ e/y)	GHG Avoided
Building (789m ²)	950	671	29%	284	387	125	61	51%

¹ A net zero ready building is one designed and built to a high-level of performance and could achieve a net zero standard with the addition of solar panels or other renewable energy technologies.

² [Emissions Factors](#)

³ [National Energy Code of Canada for Buildings 2017](#)