



Energy Efficiency Design Exceeding MNECB & ASHRAE 90.1 Form

This form is authorized by the City of Niagara Falls Building By-law [2013-178]
Updated: January 2015

Form Applicability

This form is intended for use with one of the two following design options. Please select the applicable option being used:

- Proposed Building is shown to consume at least **25%** less energy (Gj or kWh) annually than the **Model National Energy Code for Building (MNECB)** reference building. Energy consumption values are determined according to the modelling procedures identified in Part 8 of the MNECB. Yes N/A

OR

- Proposed building is shown to consume at least **5%** less energy (Gj or kWh) annually than the **ASHRAE 90.1-2010** reference building. Energy consumption values are determined according to the modelling procedures outlined in Chapter 11 of ASHRAE 90.1-2010. Yes N/A

If the response is not yes to at least one of the options provided above, this form is not applicable to the intended application. Please select a more appropriate form or refer to Supplementary Standard SB-10 for direction.

A. Project information

Street Address:	Unit No.	Lot/Con:
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B. Designer information

Architectural Designer

Last Name:	First Name:	BCIN:
Corporation or Partnership:		
Street Address:	Unit No.	Lot/Con:
Municipality:	Postal Code:	Province:
Telephone Number:	Cell Number:	Email:

Mechanical Engineer / Designer

Last Name:	First Name:	BCIN:
Corporation or Partnership:		
Street Address:	Unit No.	Lot/Con:
Municipality:	Postal Code:	Province:
Telephone Number:	Cell Number:	Email:

Electrical Engineer / Designer

Last Name:	First Name:	BCIN:
Corporation or Partnership:		
Street Address:	Unit No.	Lot/Con:
Municipality:	Postal Code:	Province:
Telephone Number:	Cell Number:	Email:

C. Declaration

I, _____, acknowledge that the information contained in this application, attached plans and specifications, and other attached documentation is true to the best of my knowledge and that if the owner is a corporation or partnership, I have the authority to bind the corporation or partnership.

Date:

Signature:

Form Disclaimer

This form is not a substitute for complying with the requirements of the Ontario Building Code. While care has been taken to ensure accuracy, this form is provided for convenience of application only. Designers must refer to the actual wording and requirements of the Ontario Building Code.

This form is made available for Building Code users by the City of Niagara Falls Building Services Division. Users should always refer to the actual Ontario Building Code when researching applicable regulations as well as when completing this form. Building Services or the City of Niagara Falls does not assume any responsibility for errors or oversights resulting from the information contained herein.



Occupancy Type

Occupancy	Floor Area
Assembly	m ²
Health / Institutional	m ²
Hotel / Motel	m ²
Light Manufacturing	m ²
Multi-Family	m ²
Office	m ²
Restaurant	m ²
Retail	m ²
School	m ²
Warehouse	m ²
Other	m ²
Total	m²

Description of Proposed Building:

Energy Usage

Annual Consumption Summary ⁽¹⁾	Reference Building Energy	Proposed Building Energy	Units
Space Heating			
Space Cooling			
HVAC Auxiliary			
Miscellaneous Electrical			
Service Hot Water			
Interior Lighting			
Other			
Total Annual Energy		>	

The proposed building uses _____ % less energy than the reference building selected above which exceeds the required percentage as dictated by SB-10.

Note: (1) Full modelling report shall be submitted

Reference Building Energy & Proposed Building Energy Consumptions calculated by:

Please specify modelling software used:

Heating, Ventilation and Air Conditioning system descriptions

Reference Building Design:

Proposed Building Design:

Energy Efficient Features in Proposed Building Design

Explain major energy saving features utilized to achieve modelled savings:

Building is in compliance with mandatory requirements of sections 5.4, 6.4, 7.4, 8.4, 9.4 and 10.4? Yes No