

Energy Efficiency Compliance 2017 NECB – Trade-Off Path Form (2017 National Energy Code for Buildings)

Information and Drawing Requirements

Project Information	
Project Address _____	BPA Number _____
Coordinating NECB Design Professional Name _____	

Trade-off compliance requires this report to be filled out for the Parts where trade-off compliance is used. Submit the Prescriptive Report for all other Parts including Part 7.

Part 3 – Building Envelope *Not applicable to additions or semi-heated buildings as per Sentence 3.3.1.1.(2)			
For Additions: fenestration is being calculated for (select one):		<input type="checkbox"/> Addition only <input type="checkbox"/> Addition & existing combined	
General		Proposed	NECB Limit
Gross wall area (m ²)			N/A
Total window area (m ²)			N/A
Total exterior door area (m ²)			N/A
Gross roof area (m ²)			N/A
Total skylight area (m ²)			N/A
Exposed floor areas (m ²)			N/A
			HDD @ 18° HDD @ 15°
Overall Thermal Transmittance – U (W/(m ² ·K))	FDWR (%)		N/A N/A
Opaque walls (above ground)			N/A N/A
Opaque walls (in contact with ground)			≤ 0.284 ≤ 0.284
Roofs (above ground)			N/A N/A
Roofs (in contact with ground)			≤ 0.284 ≤ 0.284
Floors (above ground)			N/A N/A
Floors (in contact with ground)			≤ 0.757 for 1.2m ≤ 0.757 for 1.2m
Air Leakage (L/(s·m ²))	Opaque doors		N/A N/A
Fixed fenestration and curtain walls			≤ 0.20
Operable windows, skylights, and doors			≤ 0.5
Operable revolving and auto sliding doors			≤ 5
		Proposed (U _{ip} ·A _{ip})	Reference (U _{ir} ·A _{ir})
Vertical (above ground portions)			
Horizontal (above ground portions)			
Total (Vertical + Horizontal)			
Compliance Confirmation			
U _{ip} A _{ip} is less than or equal to U _{ir} A _{ir} in conformance with NECB Article 3.3.1.2.		<input type="checkbox"/> Yes	<input type="checkbox"/> No
Have you supplied the calculations determining the above values		<input type="checkbox"/> Yes	<input type="checkbox"/> No

Part 4 – Lighting *Applies to interior lighting and controls only	
Proposed building exterior lighting power (kW) (to be less than exterior lighting basic site allowance below)	
Exterior lighting zone	
Exterior lighting basic site allowance (W)	
Interior lighting controls are designed in accordance with Subsection 4.2.2.	<input type="checkbox"/> Yes <input type="checkbox"/> No
Exterior lighting controls are designed in accordance with Subsection 4.2.4.	<input type="checkbox"/> Yes <input type="checkbox"/> No
IILE - Installed Interior Light Energy (kW·h/a) (Proposed)	
IIEA - Interior Lighting Energy Allowance (kW·h/a) (Reference)	

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Compliance Confirmation		
IILE is less than or equal to ILEA in conformance with NECB Article 4.3.1.3.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Have you supplied the calculations determining the above values	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Part 5 – Heating, Ventilating and Air-Conditioning Systems		
Overall HVAC _{TOI}		
Compliance Confirmation		
HVACTOI is greater than or equal to 0 in conformance with NECB Article 5.3.1.3.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Have you supplied the calculations determining the above values	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Part 6 – Service Water Systems		
Overall SWH _{TOI}		
Compliance Confirmation		
SWH-TOI is greater than or equal to 0 in conformance with NECB Article 6.3.1.3.	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Have you supplied the calculations determining the above values	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Compliance Confirmation		
Building energy trade-off compliance meets NECB 2017	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Drawings submitted are in conformance with NECB Drawings Requirements	<input type="checkbox"/> Yes	<input type="checkbox"/> No
Declaration		
Signature of Coordinating NECB Design Professional who has completed this form:		
_____	_____	_____
Signature		Date