

NATIONAL ENERGY CODE FOR BUILDINGS COMPLIANCE REPORT

Effective November 1, 2016 the Government of Alberta introduced energy efficiency regulations to be included with building permit applications. This requires the building permit applicant to include a declaration be made that the calculations have been completed in compliance with the new requirements.

The following is a guide to be used to assist in the submission of the newly required information and must be complete, legible and accurate. Incomplete submissions will be rejected and delays the building permit review process.

Building Permit Number (Internal Use):
File Number (Internal Use):

Date:

Project Name	
Project Address	
Applicant Name	
Applicant Email	

COMPLIANCE PATH OPTIONS:

Prescriptive Path:

Meet all prescriptive requirements in NECB sections 3.2, 4.2, 5.2, 6.2, and 7.2
-Least flexibility in design

Submission Requirements: *Calculations confirming performance requirements of NECB including effective thermal transmittance of walls, roofs & floors, FDWR, lighting power density calculations, information on equipment and components utilized in design such as heating equipment efficiencies, lighting fixture schedules, insulation specifications etc.*

Prescriptive with Trade-off:

Trade-off performance elements within one part against another part.
-Limitations listed in NECB 3.3, 4.3, 5.3 and 6.3

Submission Requirements: *Prescriptive submission requirements stated above and complete trade-off calculations and summary reports from a professional licensed in Alberta to perform such calculations. All submissions must be stamped by the consultant assuming this responsibility.*

Verification is required at project completion, prior to final inspection.

Prescriptive/Trade-off with detailed trade-off path for the building envelope:

Building envelope performance modelling with prescriptive mechanical and electrical system path
-Hybrid of paths

Submission requirements: *Complete trade-off calculations and summary reports from a professional licensed in Alberta to perform such calculations.*

All submissions must be stamped by the consultant assuming this responsibility.

Verification is required at project completion, prior to final inspection.

Performance Path

Uses energy simulation modeling of all building systems.

-Allows full trade-off between Parts. See Part 8.

Submission Requirements: Part 8 Performance Model Energy: Model Compliance Summary Calculations required by NECB Division C, 2.2.2.8.

Verification is required at project completion, prior to final inspection.

Select Compliance for each Part (only one selection is allowed per part):

Part 3: Building Envelope

*Detailed Trade-off (NECB Part 8)

Trade Off

Prescriptive

*Mix of prescriptive and &/or trade-off paths for parts 4, 5, 6, & 7 and Part 3 *Envelope Energy Model*

Part 4: Lighting

Trade-off

Prescriptive

Part 5: HVAC

Trade-off

Prescriptive

Part 6: Service Water Heating

Trade-off

Prescriptive

Part 7: Electrical Power Systems and motors

Trade-off

Prescriptive

OR

Part 8: Performance Energy Model