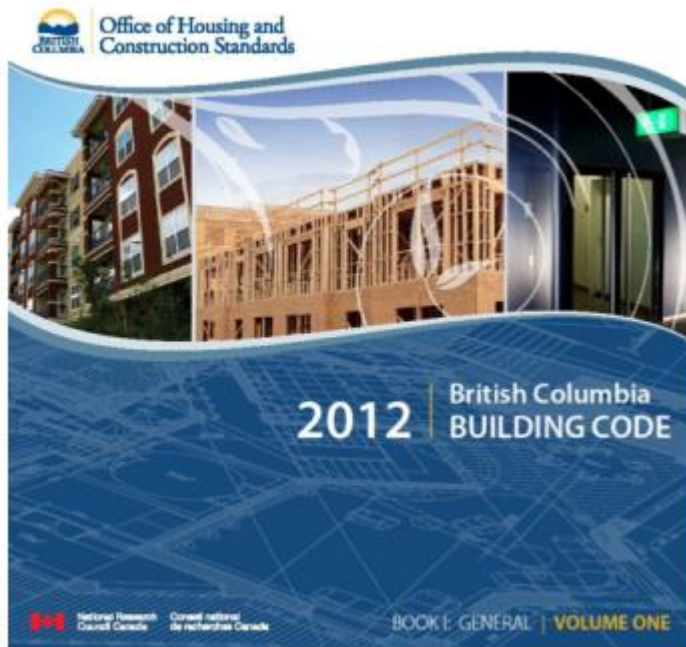




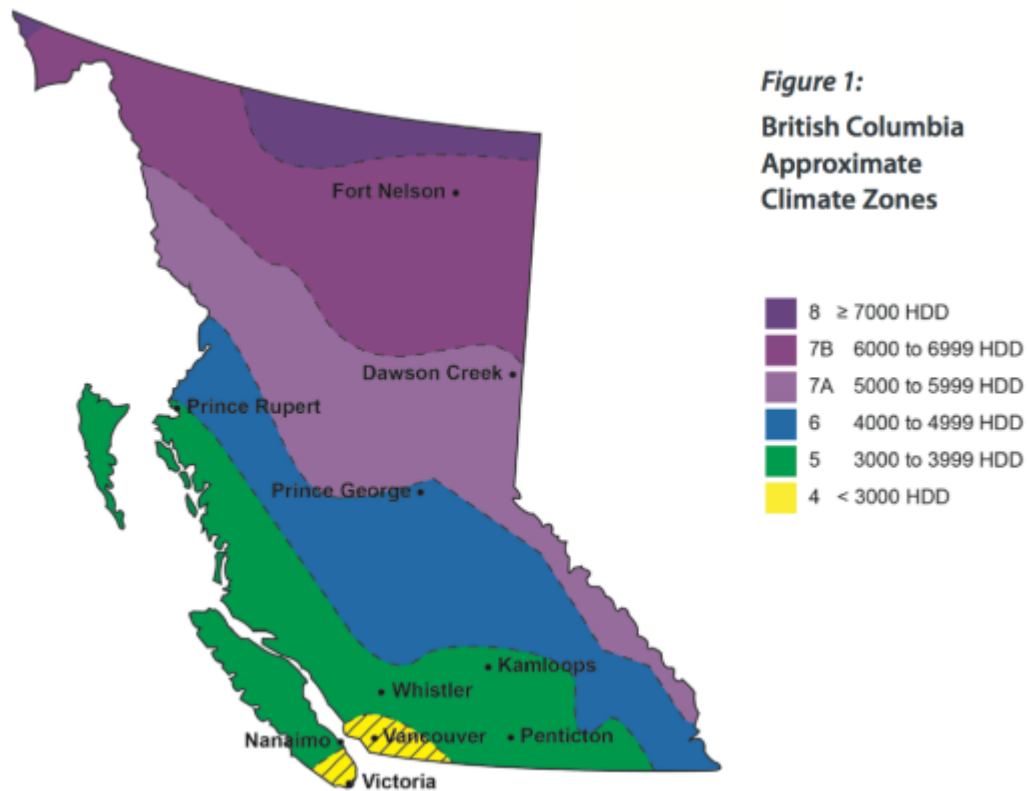
# BCBC Energy Efficiency Requirements for Part 9 Buildings



Introduction  
BCBC 9.36.  
2014



# Climate Zones





# Climate Zones

**Current 3 climate zones changed to match NECB & ASHRAE divisions.**

Climate Zone, Heating Degree Days °C					
Zone 4	Zone 5	Zone 6	Zone 7A	Zone 7B	Zone 8
<3,000	3,000 to 3,999	4,000 to 4,999	5,000 to 5,999	6,000 to 6,999	≥ 7,000
Vancouver Victoria Abbotsford Hope	Kamloops Kelowna Courtenay Parksville	Whistler Prince George Williams Lake Fernie	Ft. St. John Smithers McKenzie	Ft. Nelson Dease Lake	Smith River



## 9.36. Exempt buildings

- Buildings exempt from 9.36. include
  - storage and parking garages,
  - small service buildings or service rooms
  - unconditioned spaces in buildings.



## 9.36. Scope & Application

- Addresses heat transfer and air leakage
- Applies between conditioned space and unconditioned space, exterior air or ground
- Applies between conditioned space and adjoining garage, even if garage is heated
- (wall separating the conditioned space from the un-conditioned space)



# 3 Compliance options

## 1. Prescriptive

- Table with minimum *effective* R-values
  - Look-up tables for most common assemblies, and information on how to calculate others
    - No HRV option or
    - with HRV
  - No limits on glazing area (caution!!)
  - Air tightness criteria - identifies details that must be addressed.

## 2. Prescriptive + Simple trade-offs

## 3. Performance