



# Zero Carbon Step Code

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# Overview

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# Purpose

- Provide an overview of the Zero Carbon Step Code
- Feasibility of Implementation in Summerland
- Engagement with the public

# Overview of Zero Carbon Step Code

## B.C. Building Code Timeline

- **2018:** Energy Step Code incorporated in the B.C. Building Code
- **2022:** District of Summerland adopts Energy Step Code
  - March: Step 1 for Part 9
  - September: Step 3 for Part 9
- **May 1 2023:** B.C. Building Code requires Part 3 Buildings to comply with Energy Step Code 2 and Part 9 with Energy Step Code 3
  - Zero Carbon Step Code incorporated in the B.C. Building Code

## Overview of ZCSC

- The Zero Carbon Step Code is currently OPT in prior to Provincial requirements
- Intended to provide emission targets for new buildings (Part 9 and 3)
- Part of the CleanBC 2030 Roadmap to reach zero emissions from all new buildings in 2030



**BC Building Code**



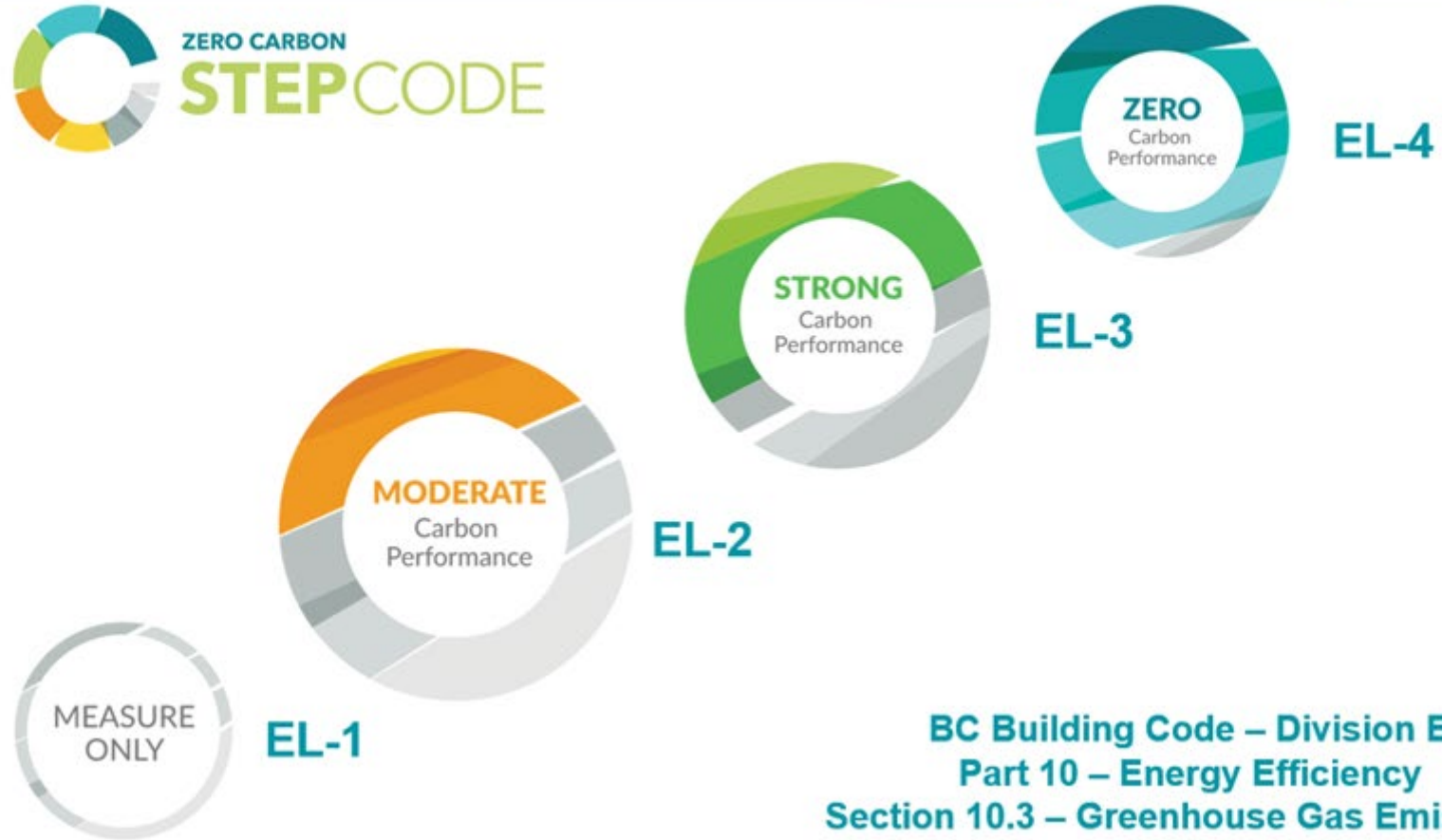
ENERGY  
**STEP**CODE  
BUILDING BEYOND THE STANDARD

Section 10.2.3  
Energy Step Code



ZERO CARBON  
**STEP**CODE

Section 10.3  
Greenhouse Gas  
Emissions



**BC Building Code – Division B  
Part 10 – Energy Efficiency  
Section 10.3 – Greenhouse Gas Emissions**



Local Governments	In Effect Date	Implementation Details (Part 9)
Burnaby	Jan 2024	Step 3 and EL-3
Central Saanich and Saanich	November 2023	Step 3 and EL-4
Vancouver Area	November 2023	Step 4 and EL-3 OR Step 5 and EL-1
Nanaimo	July 2024	Step 3 and EL-4
Nelson		
New Westminister	January 2024	Step 3 and EL-4, or Step 5 and EL-1
Richmond	October 2023	Step 3 and EL-4 or Step 4 and EL-3 OR Step 5 and EL-2
Victoria	May 2023	Step 3 and EL-4
Whistler	Jan 2024	Step 4 and EL-3
Penticton	2024	EL-1 (measure only)

## Impact of the ZCSC

- Industry Concerns
  - Cost (operating, implementation, incremental)
  - Availability of equipment
  - Low confidence in new technology
  - Electrical servicing capacity



Source: BC Hydro (<https://www.bchydro.com/news/conservation/2022/five-things-about-heat-pumps.html>)

# Council Committee Feedback

- Development Process Improvement Advisory Committee (DPIAC)
  - Increased costs to home builders
  - Affordability of homes built under ZCSC
  - Informing public and building community of updates
- Community Climate Action Advisory Committee (CCAAC)
  - How to extend emission reductions to existing homes
  - Home utility cost increases
  - Improve education and awareness around emission reductions in existing homes

## Implementation in Summerland

- Prior to adoption of the ZCSC, engagement is recommended
- Local Industry and residents/homeowners are target audience
- Open house and a Breakfast Learning Session between May and June.



## Recommendations

***THAT Council direct staff to conduct engagement with the public about the upcoming changes to the BC Building Code for the Zero Carbon Step Code,***

***AND THAT staff subsequently provide recommendations to Council in consideration of feedback and/or concerns raised from that engagement process.***