



**Building Regulation Bylaw No. 7230,
Amendment Bylaw No. 10205
(Energy Step Code requirements for
new Part 9 Residential and Part 3 Hotel buildings)**

The Council of the City of Richmond, in open meeting assembled, enacts as follows:

1. *Building Regulation Bylaw No. 7230*, as amended, is further amended by replacing the schedule in Section 10.1.1 with the following schedule:

<i>Buildings subject to Part 9 of the Building Code</i>		
Building Type	Building permit application filed on or after September 1, 2018	Building permit application filed on or after December 15, 2020
Townhomes and apartments	Step 3	Step 3 OR Step 2 for buildings that implement a low carbon building energy system.
Single family, duplex and other dwelling units	Step 1	

<i>Buildings subject to Part 3 of the Building Code</i>		
Building Type	Building permit application filed on or after September 1, 2018	Building permit application filed on or after December 15, 2020
Hotels and Motels	n.a.	Step 3 OR Step 2 for buildings that implement a low carbon building energy system.
Other Group C Residential occupancies greater than 6 stories or non-combustible construction (not including hotel and motel occupancies)	Step 3 OR Step 2 for buildings that implement a low carbon building energy system.	
Other Group C Residential occupancies 6 stories or less and combustible construction (not including hotel and motel occupancies)	Step 3	
Group D Business and personal services occupancies or Group E mercantile occupancies	Step 2	

2. *Building Regulation Bylaw No. 7230*, as amended, is further amended at Section 16.1 by adding the following definitions in alphabetical order:

CARBON DIOXIDE EQUIVALENT has the meaning given to that term in the *Greenhouse Gas Industrial Reporting and Control Act*, [SBC 2014] Chapter 29.

CONDITIONED SPACE has the meaning given to that term in the **Building Code**.

- HOTEL** has the meaning given to that term in the **Richmond Zoning Bylaw No. 8500**.
- MOTEL** has the meaning given to that term in the **Richmond Zoning Bylaw No. 8500**.
- OTHER GROUP C RESIDENTIAL OCCUPANCY** has the meaning given to that term in the **Building Code**.
- LOW CARBON BUILDING ENERGY SYSTEM** means:
- a) for **buildings** subject to Part 3 of the **Building Code**, a **building's** space heating, cooling and domestic hot water heating mechanical system that is supplied energy through:
 - i) a connection to a district energy utility system owned by the **City** or a corporate subsidiary of the **City**; or
 - ii) on-site energy supply equipment designed to meet a minimum 70% of the **building's** annual heating, cooling and domestic hot water energy demand from a renewable energy source, approved by the **City's** General Manager of Engineering and Public Works. Applicable renewable energy source technologies include, but are not limited to, air and ground source heat pump systems, waste heat recovery systems, solar collectors, or other systems as approved by the **City's** General Manager of Engineering and Public Works. The **building's** energy system must be designed and constructed such that it is ready to connect to a future district energy utility system owned by the **City** or a corporate subsidiary of the **City**. For sites outside district energy utility service areas and the City Centre Area (as defined in Bylaw No. 9000, Official Community Plan), the **City's** General Manager of Engineering and Public Works may exempt the building's energy system from the requirement to be ready to connect to a future district energy utility system.

- b) for **buildings** subject to Part 9 of the **Building Code**, a **building**'s space heating, cooling and domestic hot water heating mechanical system that in combination meets the following performance requirement:
 - i) less than 1.2 tonnes of carbon dioxide equivalent emissions per building per year; or
 - ii) 6 kg or less of carbon dioxide equivalent emissions per square metre of conditioned space per year.

3. This Bylaw may be cited as "**Building Regulation Bylaw No. 7230, Amendment Bylaw No. 10205**".

FIRST READING

NOV 23 2020

SECOND READING

NOV 23 2020

THIRD READING

NOV 23 2020

ADOPTED



MAYOR

CORPORATE OFFICER