



LEED v4 and v4.1 BD+C

BC Energy Step Code ACP

Produced by Canada Green Building Council



Leverage the BC Energy Step Code to streamline LEED documentation for Part 3 LEED BD+C projects in jurisdictions where it has been adopted and is being enforced as follows.

Steps 2 and above qualify the project for the relevant LEED v4 and LEED v4.1 EA Prerequisite Minimum Energy Performance energy efficiency requirements, with the following additional requirements applicable for residential buildings:

- For Part 3 buildings using LEED v4: BD+C Multifamily Midrise, the following additional requirements apply:
 - At least one of the following appliances must be ENERGY STAR labeled and installed in each dwelling unit:
 - Refrigerator
 - Dishwasher
 - Clothes washer
 - Provide written confirmation that the EPA ENERGY STAR Certified Homes Version 3 Water Management System Building Requirements were satisfied. Any elements that contradict local or provincial code are exempt. See also the LEED for Homes V4 Rating System for additional exemptions related to 1.3, 1.5, 1.8, and 2.3.
 - Perform heating and cooling system design calculations and install the system accordingly, including:
 - Perform room-by-room design calculations using CSA F280, HRAI Digest / Manuals, ASHRAE Fundamentals, ACCA Manual J, or an equivalent.
 - Select equipment properly sized to meet the loads using CSA F280, HRAI Digest / Manuals, ACCA Manual S, or an equivalent.
 - Design ductwork (if applicable) to meet the loads using the HRAI Digest / Manuals, ACCA Manual D, or an equivalent.
- For LEED v4 Multifamily Midrise, relevant EA Prerequisite Minimum Energy Performance commissioning requirements apply.

LEED EA credit Optimize Energy Performance or EA credit Annual Energy Use Points

BC Energy Code Steps	LEED v4		LEED v4.1	
		BD+C (except Multifamily Midrise). 18 points available	BD+C: (Multifamily Midrise) 30 points available	BD+C (except Multifamily Residential) 18 points available
Step 2 and higher	3	5	2	1

LEED v4: Multifamily Midrise projects shall apply the Home Size Adjuster in accordance with EAc Annual Energy Use requirements.

Documentation/Compliance:

- Provide the project's energy design report submitted to the local building officials proving compliance with the BC Energy Step Code. Include the information as outlined in Division C, Article 2.2.9.2.(2) of the BC Building Code.
- At project completion, upload a copy of the project Certificate of Occupancy to LEED Online. If the Certificate of Occupancy is expected to significantly delay the project LEED certification timeline, contact the GBCI reviewer team to discuss options for meeting this requirement.
- Documentation demonstrating the local jurisdiction has referenced and is enforcing Step 2 or higher of the BC Energy Step Code for the building's occupancy type through providing a copy of their bylaws, Covenant, or Council Resolution.
- Please note the project's intent to pursue the BC Energy Step Code-LEED ACP in the "Special Circumstances" section of the Project Information Form and in each of the relevant credit and prerequisite forms.