



Allowance Table for:

Adopting Credits from LEED Canada for New Construction and Major Renovations (NC) 2009 and LEED Canada for Core and Shell Development (CS) 2009 for LEED Canada-NC v1.0 (with or without addendum) projects or LEED Canada-CS v1.0 projects

LEED Canada for New Construction and Major Renovations (NC) version 1.0 projects (with or without addendum) and *LEED Canada for Core and Shell Development (CS) version 1.0* projects can transfer to *LEED Canada for New Construction and Major Renovations 2009* or *LEED Canada for Core and Shell Development 2009* in their entirety or can selectively adopt changes on a credit-by-credit basis. Note that not all new pathways under *LEED Canada 2009* are acceptable for previously registered projects due to the change in individual credit weightings or substantial credit restructuring.

The following table outlines the allowed substitutions. These individual prerequisites and credits must be adopted in their entirety except where otherwise noted.

Further credit interpretation requests on pathways not noted as allowable in this document will not be accepted for *LEED Canada-NC version 1.0* or *LEED Canada-CS version 1.0* projects.

General:

- Weighting changes cannot be adopted. *LEED Canada-NC version 1.0* is a 70-point based system; *LEED Canada 2009* products are based off 110 points. Although the credits topics are very similar between the two, the individual weightings of the credits have changed.
- Prerequisites or credits must be adopted in their entirety unless otherwise noted.
- Where moving to a new prerequisite or credit under *LEED Canada 2009*, applicants must use the new *LEED Canada NC/CS 2009 LEED Letter Templates* and the submittal requirements noted in that workbook.
- Where a credit is adopted in its entirety, the pathways for exemplary performance in *LEED Canada 2009* can also be adopted, unless otherwise noted below.

Credit		Major Difference	Adoption Allowance Information
Sustainable Sites			
Prereq 1	Construction Activity Pollution Prevention	<ul style="list-style-type: none"> 2003 U.S. EPA Construction General Permit replaces the 1992 U.S. EPA Storm Water Management for Construction Activities, Chapter 3 	<ul style="list-style-type: none"> Adoption allowed.
Credit 1	Site Selection	<ul style="list-style-type: none"> Additional requirement to not development on land that is previously undeveloped or graded land within 15.2 metres of a water body which supports or could supports fish, recreation or industrial use Correction to definition of farmland as many provinces and territories do not have an agricultural land reserve as referenced previously – new definition better aligns with USGBC’s LEED NC 2009 	<ul style="list-style-type: none"> Adoption allowed.
Credit 2	Development Density and Community Connectivity	<ul style="list-style-type: none"> Update to list of services for community connectivity Additional option to achieve community connectivity without the site density requirement for subset of points 	<ul style="list-style-type: none"> Adoption allowed of Option 1 and 3. Option 2 is not allowed to be adopted.
Credit 3	Brownfield Redevelopment	-	<ul style="list-style-type: none"> Adoption allowed.
Credit 4.1	Alternative Transportation: Public Transportation Access	<ul style="list-style-type: none"> Distance must be measured from main building entrance An alternate compliance path for a Transportation Demand Management plan has been added 	<ul style="list-style-type: none"> Adoption allowed for pathways with full credit achievement (e.g., pathway for 3 points under <i>LEED Canada NC 2009</i> cannot be adopted for <i>LEED Canada-NC version 1.0</i> projects).
Credit 4.2	Alternative Transportation: Bicycle Storage & Changing Rooms	<ul style="list-style-type: none"> Bicycle storage must be covered for FTE occupants Calculations are based on peak transient use 	<ul style="list-style-type: none"> Adoption allowed.
Credit 4.3	Alternative Transportation: Low-Emitting & Fuel-Efficient Vehicles	<ul style="list-style-type: none"> Fuel efficient vehicle definition has changed 	<ul style="list-style-type: none"> Adoption not allowed due to fuel efficiency changes. However, the interpretation for power outlets for charging vehicles may be adopted for <i>LEED Canada-NC v 1.0</i> projects.
Credit 4.4	Alternative Transportation: Parking Capacity	<ul style="list-style-type: none"> Projects are restricted to a parking capacity upper limit of 3.5 spaces per 93 m² (1000 ft²) Carpool requirement is based on total parking spaces (including visitor spaces) 	<ul style="list-style-type: none"> Adoption allowed.

Credit 5.1	Site Development: Protect and Restore Habitat	<ul style="list-style-type: none"> Slightly increased requirements for greenfield sites 	<ul style="list-style-type: none"> Adoption allowed.
Credit 5.2	Site Development: Maximize Open Space	<ul style="list-style-type: none"> Provided new pathway for sites with local zoning but no open space requirements 	<ul style="list-style-type: none"> Adoption not allowed as new pathway could be considered a lowering of performance.
Credit 6.1	Stormwater Design: Quantity Control	<ul style="list-style-type: none"> For sites with existing imperviousness 50% or less, a new option has been provided to implement a stormwater management plan that protects receiving waterways from excessive erosion by implementing velocity and quantity control strategies 	<ul style="list-style-type: none"> Adoption allowed.
Credit 6.2	Stormwater Design: Quality Control	<ul style="list-style-type: none"> Requirement for a stormwater quality management plan has been added Total phosphorous requirement has been removed from calculations and replaced with a nutrient management plan to minimize pollution and eutrophication of waterways (with no specific removal levels) 	<ul style="list-style-type: none"> Adoption allowed.
Credit 7.1	Heat Island Effect: Non-Roof	<ul style="list-style-type: none"> Clarification of options and expanded to include, for example, shading from solar panels New pathway for near zero lot line projects which achieve SS Credit 2 (all points) and SS Credit 7.2. 	<ul style="list-style-type: none"> Adoption allowed.
Credit 7.2	Heat Island Effect: Roof	-	<ul style="list-style-type: none"> Adoption allowed.
Credit 8	Light Pollution Reduction	<ul style="list-style-type: none"> Modified requirements for interior and exterior light pollution Language added to clarify IESNA RP-33 zones Added public rights-of-way boundary exception for zones LZ2, LZ3 & LZ4 Clarified site boundary for luminaires in intersections Updated referenced standard to ASHRAE/IESNA Standard 90.1-2007 	<ul style="list-style-type: none"> Adoption allowed.
Credit 9	Tenant Design and Construction Guidelines	<ul style="list-style-type: none"> New Core & Shell credit 	<ul style="list-style-type: none"> New Core & Shell credit not allowed for adoption due to differing weighting systems. However can use as guidance for development of tenant design and construction guidelines recognized elsewhere under <i>LEED Canada-NC version 1.0</i> and <i>LEED Canada-CS version 1.0</i>.

Water Efficiency

Prereq 1	Water Use Reduction, 20% Reduction	<ul style="list-style-type: none"> • New to LEED 2009, based on previous WE Credit 3.1 with the addition of a building/property water meter • Updated baselines for flow rates, based on the U.S. Energy Policy Act of 1992 and subsequent rulings by the U.S. Department of Energy, requirements of the Energy Policy Act of 2005, and the plumbing code requirements as stated in the 2006 editions of the Uniform Plumbing Code or International Plumbing Code 	<ul style="list-style-type: none"> • Non-applicable.
Credit 1	Water Efficiency Landscaping	<ul style="list-style-type: none"> • Merger of WE Credit 1.1 and WE Credit 1.2 • Minimum area clarified (5% of total project site area (including building)) • Added factors for calculating mid-summer baseline case • Addressed groundwater seepage for use in irrigation • Temporary irrigation systems limited to 1 year but no restrictions on type 	<ul style="list-style-type: none"> • Adoption allowed.
Credit 2	Innovative Wastewater Technologies	<ul style="list-style-type: none"> • Reduction of on-site treatment threshold to 50% 	<ul style="list-style-type: none"> • Adoption not allowed.
Credit 3	Water Use Reduction	<ul style="list-style-type: none"> • See WE Prerequisite 1 changes for flow rate updates • Point thresholds have been increased with 3 levels available (30%, 35% and 40%) 	<ul style="list-style-type: none"> • Adoption allowed at 30 and 40%.

Energy & Atmosphere

Prereq 1	Fundamental Commissioning of Building Energy Systems	<ul style="list-style-type: none"> • Clarified Commissioning Authority (CxA) experience 	<ul style="list-style-type: none"> • Adoption allowed.
Prereq 2	Minimum Energy Performance	<ul style="list-style-type: none"> • Updated referenced standard to ASHRAE/IESNA Standard 90.1-2007 • Performance Compliance Paths (comparison to MNECB and ASHRAE) are demonstrated through total building energy cost improvements including process loads • Prescriptive Compliance Paths are available 	<ul style="list-style-type: none"> • Adoption not allowed.

Prereq 3	Fundamental Refrigerant Management	<ul style="list-style-type: none"> Requirement for zero use of halons in fire suppression equipment has been incorporated into EA Credit 4 Added alternative compliance path for campus projects using existing district chilled water plants only 	<ul style="list-style-type: none"> Adoption not allowed.
Credit 1	Optimize Energy Performance	<ul style="list-style-type: none"> As per EA Prerequisite 2 Point thresholds have changed Different thresholds for Core & Shell projects 	<ul style="list-style-type: none"> Adoption not allowed.
Credit 2	On-Site Renewable Energy	<ul style="list-style-type: none"> Point thresholds have been reduced but now based on total building energy cost (not only regulated loads) Different thresholds for Core & Shell projects 	<ul style="list-style-type: none"> Adoption not allowed.
Credit 3	Enhanced Commissioning	<ul style="list-style-type: none"> Clarified Commissioning Authority (CxA) experience and independency requirements The same CxA overseeing the enhanced commissioning tasks (EA Credit 3) must also oversee the fundamental commissioning tasks (EA Prerequisite 1) Clarifications were made to standardize LEED Commissioning Scope of Work 	<ul style="list-style-type: none"> Adoption allowed.
Credit 4	Enhanced Refrigerant Management	<ul style="list-style-type: none"> Fire suppression systems must be free of ozone-depleting substances Refrigerants must comply with a maximum threshold for the combined contributions to ozone depletion and global warming potential Added option for not using refrigerants 	<ul style="list-style-type: none"> Adoption allowed.
Credit 5	Measurement and Verification	<ul style="list-style-type: none"> Requirement added to provide process for corrective action if M&V plan shows energy savings are not being achieved Removed requirement for a water M&V program Separation of tenant submetering from base building creating two credits (EA Credit 5.1 and 5.2) for Core & Shell projects 	<ul style="list-style-type: none"> Adoption allowed for <i>LEED Canada-NC version 1.0</i> projects. Adoption not allowed for <i>LEED Canada-CS version 1.0</i> projects.
Credit 6	Green Power	<ul style="list-style-type: none"> Point threshold has been reduced to 35%, but now includes all building electricity (not only regulated loads) Clarified that all purchases of green power are based on the quantity of energy consumed, not cost 	<ul style="list-style-type: none"> Adoption not allowed.

Materials & Resources

Prereq 1	Storage and Collection of Recyclables	<ul style="list-style-type: none"> Area for the collection of organic waste must be provided in municipalities that support such collection 	<ul style="list-style-type: none"> Adoption allowed.
Credit 1.1	Building Reuse: Maintain Existing Walls, Floors, and Roof	<ul style="list-style-type: none"> Combined with previous MR Credit 1.2 Point added for new lower threshold (55%) Different thresholds for Core & Shell projects 	<ul style="list-style-type: none"> Adoption not allowed.
Credit 1.2	Building Reuse: Maintain Interior Non-structural Elements	<ul style="list-style-type: none"> Credit no longer available to Core & Shell projects 	<ul style="list-style-type: none"> Adoption allowed.
Credit 2	Construction Waste Management	-	<ul style="list-style-type: none"> Adoption allowed.
Credit 3	Materials Reuse	<ul style="list-style-type: none"> Only lower threshold available to Core & Shell projects (5%) 	<ul style="list-style-type: none"> Adoption allowed but must maintain both thresholds for NC and CS projects.
Credit 4	Recycled Content	<ul style="list-style-type: none"> Point thresholds have been increased (10% and 20%) 	<ul style="list-style-type: none"> Adoption allowed.
Credit 5	Regional Materials	<ul style="list-style-type: none"> Point thresholds have been increased (20% and 30%) Products must be extracted and processed within 800 km of the manufacturer rather than site Allowance for fractions of products to be used to achieve credit 	<ul style="list-style-type: none"> Adoption allowed.
Credit 6	Rapidly Renewable Materials	<ul style="list-style-type: none"> Point threshold has been reduced (2.5%) Credit no longer available to Core & Shell projects 	<ul style="list-style-type: none"> Adoption not allowed.
Credit 6/7	Certified Wood	<ul style="list-style-type: none"> Credit 6 for Core & Shell projects No exemption from Chain-of-Custody requirements for last vendor 	<ul style="list-style-type: none"> Adoption allowed.

Indoor Environmental Quality

Prereq 1	Minimum Indoor Air Quality Performance	<ul style="list-style-type: none"> Updated referenced standard to ASHRAE Standard 62.1-2007 	<ul style="list-style-type: none"> Adoption allowed.
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Prereq 2	Environmental Tobacco Smoke (ETS) Control	<ul style="list-style-type: none"> Residential (Case 2) clarified to include hotels, motels, and dormitories Added language addressing signage in Option 1 and Option 2 Added requirement to weatherstrip exterior doors and windows in residential projects Added requirement to weatherstrip all residential unit doors leading to common hallways – however, if the common hallways are pressurized with respect to the residential units, an allowance is provided to follow Option 2 (considering the residential unit as the smoking room) Updated referenced standard for demonstrating acceptable sealing of residential units to Chapter 4 (Compliance Through Quality Construction) of the Residential Manual for Compliance with California’s 2001 Energy Efficiency Standards 	<ul style="list-style-type: none"> Adoption allowed.
Credit 1	Outdoor Air Delivery Monitoring	<ul style="list-style-type: none"> Updated referenced standard to ASHRAE Standard 62.1-2007 Clarified requirement to monitor CO₂ concentrations in all densely occupied areas (Case 1 - Mechanically Ventilated Spaces) Added requirement for outdoor airflow measurement (Case 1 - Mechanically Ventilated Spaces) Added specific requirements for naturally ventilated spaces (Case 2 - Naturally Ventilated Spaces) 	<ul style="list-style-type: none"> Adoption allowed.
Credit 2	Increased Ventilation	<ul style="list-style-type: none"> Credit has been changed from ventilation effectiveness to requiring outdoor air ventilation rates 30% above minimum rates required by ASHRAE Standard 62.1-2007 Naturally ventilated spaces may alternatively meet the recommendations of the CIBSE Applications Manual Specific compliance path (Case 3) for residential projects requiring outdoor air ducted directly to the suite with air distributed to all regularly occupied areas 	<ul style="list-style-type: none"> Credit changed. Adoption not allowed for non-residential projects. Adoption allowed only for residential projects.

Credit 3.1	Construction Indoor Air Quality Management Plan During Construction	<ul style="list-style-type: none"> Updated referenced standard to the Sheet Metal and Air Conditioning National Contractors Association (SMACNA) IAQ Guidelines For Occupied Buildings Under Construction, 2nd Edition 2007, ANSI/SMACNA 008-2008 (Chapter 3) Clarified that filtration media must be replaced immediately prior to occupancy Removed requirement to make provisions for inspections of building HVAC systems 	<ul style="list-style-type: none"> Adoption allowed except for exemplary performance pathway on <i>LEED Canada-CS version 1.0</i> projects.
Credit 3.2	Construction Indoor Air Quality Management Plan Before Occupancy	<ul style="list-style-type: none"> Clarified the IAQ Management Plan implementation timeline requirements Clarified that all finishes must be installed prior to flush-out Flush-out during occupancy ventilation rate has been increased from 0.76 to 1.54 L/s/m² Threshold for formaldehyde level was revised from 50 to 27 parts per billion in Option 2, Air Testing 	<ul style="list-style-type: none"> Adoption allowed for <i>LEED Canada-NC version 1.0</i> projects. Credit not available for <i>LEED Canada-CS version 1.0</i> projects.
Credit 4.1	Low-Emitting Materials: Adhesives and Sealants	<ul style="list-style-type: none"> Clarification on use of VOC budget Clarification on interior of the building VOC thresholds no longer updated to match date of building permit but set as per rating system requirements 	<ul style="list-style-type: none"> Adoption allowed.
Credit 4.2	Low-Emitting Materials: Paints and Coatings	<ul style="list-style-type: none"> As per IEQ Credit 4.1 Moved primers from Green Seal requirements to SCAQMD requirements 	<ul style="list-style-type: none"> Adoption allowed.
Credit 4.3	Low-Emitting Materials: Flooring Systems	<ul style="list-style-type: none"> Requirements now reflect all low-emitting flooring materials and finishes All flooring must comply with a minor exemption of up to 5% for speciality areas 	<ul style="list-style-type: none"> Adoption allowed.
Credit 4.4	Low-Emitting Materials: Composite Wood and Agrifibre Products	-	<ul style="list-style-type: none"> Adoption allowed.

Credit 5	Indoor Chemical and Pollutant Source Control	<ul style="list-style-type: none"> • Required entryway system travel distance length increased and systems are required at regular entry points • Combinations of permanently installed systems along with walk-off mats with provisions for maintenance are allowed • Added exemption for new air filtration media for air handling equipment with a maximum flow rate of 283 L/s (600 cfm) or less provided they are equipped with the highest supply air filtration level commercially available for the specific equipment • For residential projects, carbon monoxide alarms are required in areas adjacent to combustion equipment 	<ul style="list-style-type: none"> • Adoption allowed.
Credit 6.1	Controllability of System: Lighting	<ul style="list-style-type: none"> • Re-structured credit from perimeter spaces to lighting control • Credit not available to Core & Shell projects 	<ul style="list-style-type: none"> • Credit substantially restructured. Adoption not allowed.
Credit 6.2/6	Controllability of System: Thermal Comfort	<ul style="list-style-type: none"> • Re-structured credit from non-perimeter spaces to thermal comfort control • Clarification of requirements for use of operable windows • Thermal comfort controls as described by ASHRAE Standard 55-2004 • Clarification on scope for Core & Shell projects 	<ul style="list-style-type: none"> • Credit substantially restructured. Adoption not allowed.
Credit 7.1/7	Thermal Comfort: Design	<ul style="list-style-type: none"> • Increased demonstration of compliance with ASHRAE 55-2004 - now required. 	<ul style="list-style-type: none"> • Adoption allowed for <i>LEED Canada-NC version 1.0</i> projects. • Adoption of IEQ Credit 7 allowed for <i>LEED Canada-CS version 1.0</i> projects.
Credit 7.2	Thermal Comfort: Verification	<ul style="list-style-type: none"> • An occupant thermal comfort survey is required • An alternative compliance path was added for residential buildings • Credit no longer available to Core & Shell projects 	<ul style="list-style-type: none"> • Adoption allowed for <i>LEED Canada-NC version 1.0</i> projects. • Credit not available for <i>LEED Canada-CS version 1.0</i> projects.
Credit 8.1	Daylight and Views: Daylight	<ul style="list-style-type: none"> • Multiple options now available – simulation, prescriptive, measurement or combination 	<ul style="list-style-type: none"> • Adoption allowed.
Credit 8.2	Daylight and Views: Views	<ul style="list-style-type: none"> • Threshold decreased through removal of requirement on glazing-to-floor area ratio. 	<ul style="list-style-type: none"> • Adoption not allowed.

Innovation in Design

Credit 1	Innovation in Design	<ul style="list-style-type: none">Expanded innovation strategies allowed from 4 to 5Added stipulation that no more than 3 exemplary performance points can be awarded	<ul style="list-style-type: none">Adoption not allowed.
Credit 2	LEED® Accredited Professional	-	<ul style="list-style-type: none">Adoption allowed.

Regional Priority

Credit 1	Durable Building	<ul style="list-style-type: none">Formerly MR Credit 8 in LEED Canada NC v1.0	<ul style="list-style-type: none">Adoption allowed under MR Credit 8 within <i>LEED Canada-NC version 1.0</i> or <i>LEED Canada-CS version 1.0</i>.
Credit 2	Regional Priority Credit	<ul style="list-style-type: none">New to LEED 2009	<ul style="list-style-type: none">Adoption not allowed.