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Canada Green Building Council
Every Building Greener



LEED Technical Bulletin

September 2015

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Call for
Volunteers for
CaGBC LEED
Committees

New promotional tools to help you tell your LEED story

Behind the scenes, we know the requirements are stringent, the targets are high, and the impact is significant, but how do you convey all that information to the people walking past your building, through your space or working in your office?

LEED certification tells the marketplace in no uncertain terms that you are a leader. It sets you apart from your competition and demonstrates that you care about making every building a greener and healthier place to work, live and play.

Each story is different and for that reason we have created three versatile tools that you can customize and use for on-site promotion of your past and future LEED certified projects.

If you have any questions about these additional promotional tools please contact: info@cagbc.org.

Exterior Banners

These large format exterior banners will boldly promote your project's level of certification. As a nod to the degree of effort required to certify at the top levels, LEED Platinum and Gold certified projects can order one 60" x 144" banner for FREE. LEED Certified and Silver projects can purchase these exterior banners for only \$275.

Personalized Lobby Posters



Import your photo, choose four of the six performance categories that best tell your LEED story (*Commute, Daylight, Energy, Green Space, Technology, Water*) and then display these 24" x 36" posters in your lobby, elevator, foyer, lunch room or meeting space. All certified projects can create and order these informative and attractive posters for \$60 each. Custom display units and various sizes are also available.



PowerPoint Templates

LEED Certified, Silver, Gold and Platinum projects can use these ready-made templates to show visitors exactly how important this LEED project is to them and to the environment. This is a great tool to be displayed in waiting areas, lobbies and elevators, maybe even at your next staff event. These templates are available for FREE.



Tools Available at PosterOne

We are pleased to offer these great new tools through PosterOne, who has created a very easy to use online shopping experience for LEED projects. Go to www.posterone.com/cagbc to get started or contact PosterOne directly at 866.252.8900 or via email LEED@posterone.com and they will be happy to assist with placing your order.

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New Template Available for Design and Construction Guidelines

The [LEEDUser](#) website has long been a resource for those working on LEED projects. The website provides forums for discussion (including a [Canadian forum](#)) and a number of useful tools, such as a template for [Tenant Design and Construction Guidelines](#). Recently, it has been found that several applicants have been using this template to apply for the SSc9 Tenant Design and Construction Guidelines credit in the LEED® Canada for Core and Shell Development (CS) 2009 rating system.

Please note that the original template provided by LEEDUser does not meet the credit requirements and is not sufficient for credit achievement. An updated template was released on August 11, 2015 to address the deficiencies. Some of the updates include needing to identify the reference standard(s) for certified wood and identifying the applicable VOC limits for adhesives and sealants. If your project has used a previous version of this template please ensure to update your Tenant Design and Construction Guidelines to the newer version for credit achievement.

LEED Canada NC/CS v1.0 Projects Can Now Adopt LEED v4 BD+C Credits

CIR 1247 (LEED v4 Credits Available for Substitution in LEED Canada NC/CS v1.0), recently released, provides allowance and guidance for LEED Canada for New Construction and Major Renovation (NC) v1.0 and LEED Canada for Core and Shell (CS) v1.0 projects to substitute specific LEED v4 Building Design +Construction (BD+C) credits. The credits that can be adopted from LEED v4 can be found in the table below (listed by the credit titles).

When documenting a credit from LEED v4, use the sample forms available on the [USGBC website](#). Include any additional narratives and documentation as needed.

Any LEED v4 credit not identified for adoption under LEED Canada NC/CS v1.0 may still be considered for adoption through the Credit Interpretation Request process.

LEED Canada NC/CS v1.0	LEED v4: BD+C
Development Density	Surrounding Density and Diverse Uses (minimum of 2 points)
Alternative Transportation Bicycle Storage and Changing Rooms	Bicycle Facilities
Light Pollution Reduction	Light Pollution Reduction
Fundamental Building Systems Commissioning	Fundamental Commissioning and Verification
Storage and Collection of Recyclables	Storage and Collection of Recyclables
Construction Waste Management	Construction and Demolition Waste Management Planning (prerequisite) AND Construction and Demolition Waste Management (credit) [both the prerequisite and credit must be achieved]
Minimum Indoor Air Quality Performance	Minimum Indoor Air Quality Performance
Environmental Tobacco Smoke Control	Environmental Tobacco Smoke Control
Construction Indoor Air Quality Management Plan: During Construction	Construction Indoor Air Quality Management Plan
LEED Accredited Professional	LEED Accredited Professional

Driving the Collection of Product Information: Join ORIGIN's Material Data Drive

The impact that product and material selection has on our environment and our health is a growing concern in the building sector, a concern that is re-enforced in the latest version of LEED.

Many manufacturers are undertaking efforts to better understand and document their products. Manufacturers with the information already in hand are keen to let the world know about it, and product specifiers are eager for tools to help them find green products.

There are numerous sources for information on green products, including program operators like the [Cradle to Cradle Products Innovation Institute](#), [Clean Production Action](#) (operators of GreenScreen), and the [Health Product Declaration Collaborative](#). Environmental Product Declarations can be traced to

program operators such as [ASTM](#), [CSA](#), [IERE](#), [NSF](#), [SCS](#), and [UL](#) (with even more available [here](#)).

There are also third party services that compile all the green credential data for you, along with other relevant product information. Some examples include [ORIGIN](#), [Green Wizard](#), [GreenSpec](#), and [EcoSpex](#).

To support LEED users and the green building industry at large, the CaGBC would like to call attention to an ambitious effort by ORIGIN, who is launching the Canadian Material Data Drive. The goal of this Data Drive is to add an additional 25,000 building materials to their database that are specifically relevant to the Canadian market and can contribute to LEED v4 projects.

The [ORIGIN](#) International Material Database already includes over 100,000 materials and features key green certifications such as Cradle to Cradle, GreenGuard, EcoLogo, HPDs and EPDs. The database can be used by the entire building community at no cost.

How the Data Drive works:

- Building Industry Professionals invite their preferred manufactures to join ORIGIN Database.
- Manufacturers post material information on ORIGIN directly.
- All collected supplier information will be freely available.

It is free to join the Data Drive. To get started or learn more, check out the [ORIGIN Data Drive web page](#).

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Education for LEED Practitioners

The CaGBC is pleased to offer these upcoming webinars designed for experienced LEED practitioners.

[Understanding the Ebbs and Flows of Stormwater Management](#) – on September 24, 2015 join Braden Kurczak and Steve Van Haren find out why a high percentage of projects miss out on achieving the stormwater management credit under the LEED 2009 BD+C Rating Systems (SSc6). This webinar will focus on common misinterpretations of the SSc6 credits and will review relevant committee CIR's. Learn first-hand, from a LEED Review Team member and members of the LEED Canada Sites & Water Technical Advisory Group, what you need to do to achieve SSc6 points. \$49+tax for CaGBC members; \$59+tax for non-members.

[Targeting LEED V4 Platinum! A Homes Case Study](#) – on Oct. 7, 2015 join Mike Reynolds for this webinar that will explore how designing for passive heating and cooling is a critical component to building affordable high performance homes. This super efficient home is an example of how homeowners on a budget can enjoy all of the benefits of green. This webinar will take participants step by step through the construction of a home that costs just \$1.39 a day to operate. In this session participants will be introduced to the basic design principles of passively heated and cooled homes, including home orientation, insulation, air tightness, ventilation and window selection. \$29+tax for CaGBC members; \$39+tax for non-members.

[LEED v4: Secrets to a Well Commissioned Envelope](#) – on October 21, 2015, join Jamie McKay of Morrison Hershfield to learn how new envelope design philosophies have begun to integrate building conditioning goals, and discuss the benefits, hurdles and considerations in pursuing building envelope commissioning. \$49+tax for CaGBC members; \$59+tax for non-members.

[Life Cycle Valuation: Finding the Hidden Value](#) – On Oct. 22, 2015, join Chris Corps for this financially-oriented webinar. This course will address the fundamental principles of life cycle value related to sustainable development. It will establish the connection between financial analysis, models and standards. Participants will identify how to determine when it can add value, which situations or elements might prove to be barriers, as well as how to minimize or eliminate these barriers. There will be a particular focus on development and investment value, and the webinar will outline how to communicate life cycle value to both financially- and non-financially motivated

audiences. Note: Having some prior knowledge of finances is a benefit for those attending this session. \$59 + tax for CaGBC members; \$69+tax for non-members.

Commissioning Existing Buildings: Facility Owners, Managers - on Oct. 28, 2015, join Eric Chisholm of Halsall to learn the value and process for commissioning existing buildings to reduce facility cost, increase comfort, and manage risk. \$49+tax for CaGBC members; \$59+tax for non-members.

CaGBC has lots of other webinars, on-demand courses and classroom-based sessions that you may be interested in! Some of the topics include becoming a Green Rater, discovering the WELL Rating System (which is complementary to LEED), and Chapter-specific events. [Visit our course registration page](#) to see our complete listing of courses and events.

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Recent CIRs

Credit Interpretation Requests ruled on since the last LEED Technical Bulletin (August 13, 2015) are listed below. To view any of these CIRs, simply go to [CaGBC's CIR database](#) and search by CIR number. Note that CIRs can apply to multiple rating systems and versions - see the CIR rulings for more information.

#	Rating System	Version	Credit Prerequisite	Subject
1243	NC	2009	SSc4.2	Alternative compliance for bicycle calculation using a bike valet service
1228	NC	2009	IEQc7.2	Comfort Monitoring Alternative Compliance Path
1210	NC	2009	EAp2/EAc1	Transportation Fuel Energy Use
1247	BD+C	1	Admin	LEED v4 Credits Available for Substitution in LEED Canada NC/CS v1.0 / La traduction française à venir.
1035	NC	2009	EAp2/EAc1	DES upgrades not yet online
1225	BD+C	2009	SSc1	Clarity on the definition of Prime Farmland for urban areas under SSc1
1194	CS	2009	Admin	Required alteration scope for LEED CS Major Renovation project
1222	EB:O&M	2009	Admin	Multiple attached buildings with shared infrastructure, with vertical and horizontal attachments