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Canada Green Building Council
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LEED Technical Bulletin

June 2015

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Two important Credit Interpretation requests (CIRs) were recently published in order to improve the LEED Canada 2009 program. The CIRs better ensure the intent of the credits and prerequisites are met, and provide alignment with the LEED v4 program as well as the current USGBC LEED v2009 program. They are applicable to all projects registered on or after July 1, 2015.

CIR 1235: EAp2/c1 – How should purchased renewable energy and purchased biofuels be treated in the energy model?

- The metric for calculating energy performance under LEED EAp2/c1 is energy cost savings, therefore the cost of all fuels, including purchased renewable fuels and purchased non-traditional fuels, needs to be accounted for in the calculations.

CIR 1236: EQc7.1 – Application of Thermal Comfort Criteria to Spaces not regulated by ASHRAE standard 55 – 2004

- In order for LEED buildings to meet the intent of EQc7.1 Thermal Comfort Design, all regularly occupied spaces must be included and exemptions based on metabolic rates will no longer be accepted.

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LEED Team overview of Building Lasting Change 2015

The CaGBC recently hosted its annual National Conference and Expo, *Building Lasting Change*, from June 2 to 4, 2015, in Vancouver. This year's conference speakers and education sessions covered a wide array of topics, with several recurring themes that sparked discussion and debate, while providing inspiration for the delegates in attendance.

Before the conference even started, the ***Health and Materials Summit*** proved to be a great success – delegates particularly loved the hands-on learning approach. Dr. Bruce Lanphear drove home that materials can have significant impacts at remarkably low concentrations by drawing a parallel to medications used to important effect at similarly low concentrations. The topic of materials was front and centre throughout the conference's education sessions, tradeshow exhibits, and hallway discussions, culminating in CaGBC announcing the winner of the first annual Green Building Product of the Year Award: [DIRTT Environmental Solution's Enzo interior wall system](#).

The conference kicked off with a thought-provoking opening plenary address from Dr. Michael Braungart, who also addressed materials, challenging the crowd to turn the nail on its head and think about materials and their holistic impacts on human health. Delegates were urged not only to consider the contents of a product, or even a material's extraction and manufacturing, but to consider the full life-cycle impacts of building materials.

The CaGBC announced its partnership with Green Business Certification Inc. (GBCI) to [deliver the WELL Building Standard](#) in Canada. WELL was the subject of many questions posed to the CaGBC technical staff. The WELL standard focuses on seven areas that impact occupant health and well-being within buildings: air, water, nourishment, light, fitness, comfort and mind. While there are many synergies with LEED, WELL delves further into the elements in an office environment that foster a healthier lifestyle for occupants (for example, lighting conditions that mirror circadian rhythms; sound attenuation; ergonomics; placement of staircases etc).

Then there was Ed Mazria's Keynote address at the Wednesday evening Leadership Awards Gala, which reassured green building professionals that their efforts throughout the last decade to reduce emissions as well as energy and water consumption, are reflected in today's lower-than-forecasted fossil fuel energy consumption. Mazria challenged the audience to move towards Zero Net Energy (ZNE) buildings by 2030.

In addition, education sessions from the *Closing the Performance Gap* stream featured case studies of buildings at several Canadian institutions including the University of British Columbia and Okanagan College, which are designing for net zero operations. Presenters shared their systems analysis and outcomes with their peers, in an effort to inspire building lasting change.

For all those in attendance, thank you for joining us. The CaGBC hopes to see all those with a stake in the built environment in Toronto next June for Building Lasting Change 2016.

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One more year to submit LEED Canada NC/CS version 1.0 projects

As previously communicated, the sunset date for LEED Canada version 1.0 projects is June 21, 2016. Projects must be submitted to CaGBC for certification review before this date, or upgrade at no cost to v2009.

Projects that do not meet this timeline will no longer be eligible for certification and will be removed from

the LEED registered project database on the CaGBC website. To re-qualify for certification, they will be required to register under the version of the rating system that is current at that time, and pay all applicable fees.

More details, including information about applying for exemptions, can be found on the [CaGBC website](#). The CaGBC will provide project teams regular reminders as the deadline approaches.

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Education for LEED Practitioners

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

[Kicking Toxic Chemicals out of our Buildings](#) – on June 23, 2015, find out about a new furniture flammability standard that has originated out of California. The original flammability standard has been the defacto standard for all of North America, and it is critical for those outside of California to understand how to avail themselves of the new regulations. \$29+tax for CaGBC members; \$39+tax for non-members.

[LEED v4: Secrets to a Well Commissioned Envelope](#) – on June 17, 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.

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Recent CIRs

Credit Interpretation Requests ruled on since the last LEED Technical Bulletin (May 14, 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
1192	BD+C	2009	IEQp2	Smoking ban in common spaces including balconies
1205	BD+C	2009	SSc4.1	Uni-directional bus service depending on the time of day / Lignes de bus unidirectionnelles selon la période de la journée
1235	BD+C	2009	EAp2/EAc1	How should purchased renewable energy and purchased biofuels be treated in the energy model? / Comment faut-il traiter l'énergie renouvelable achetée et les biocarburants achetés dans le modèle énergétique?
1236	BD+C	2009	IEQc7.1/IEQc7.2	Application of Thermal Comfort Criteria to Spaces not regulated by ASHRAE standard 55 – 2004 / Application des critères de confort thermique à des espaces non visés par la norme ASHRAE 55 – 2004

1224	BD+C	2009	IDc1	Innovation in Design for Option 1 of LEED v4 Acoustic Performance Credit (Healthcare Path)
1214	EB:O&M	2009	EAp2/EAc1	Using Option C3 to compare the EUI of NHL arenas

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