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Canada Green Building Council  
Every Building Greener



## LEED Technical Bulletin

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Version française

- 
- [LEED Coach – Personalized Help for Project Teams](#)
  - [Update to the LEED Canada 2009 Supplementary Energy Modelling Guidelines](#)
  - [Submission Concerns with Erosion and Sedimentation Control \(ESC\) in v2009](#)
  - [Project Profiles Provide Great Exposure](#)
  - [Provide your input on LEED productivity tools](#)
  - [Help Inform Green Building in Canada – NRCan Survey is Coming](#)
  - [Education for LEED Practitioners](#)
  - [Seeking Input on Translation of LEED v4 O+M](#)
  - [One-day EcoDistricts and Municipal LEED workshop taking place Feb 9](#)

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## LEED Coach – Personalized Help for Project Teams

As part of our ongoing efforts to improve the LEED certification process, the CaGBC is happy to announce the launch of the LEED Coach program. As of January 1, 2015, all projects will be assigned a LEED Coach at registration. The LEED Coach is a member of the CaGBC LEED team who can lead you through the LEED process and serve as a dedicated point of contact if you have questions about the scope of your project or credit requirements. Projects assigned a LEED Coach can continue to rely on CaGBC's Customer Service for administrative help; Sarah Miller is available at [info@cagbc.org](mailto:info@cagbc.org) or 1-866-941-1184.

If your LEED project is particularly complex or if it is your organization's first time registering and certifying a LEED project, you may decide your company requires an enhanced service package. For a cost of \$500, this package will include five hours of dedicated guidance, scheduled according to your needs.

[Back to table of contents »](#)

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## Update to the LEED Canada 2009 Supplementary Energy Modelling Guidelines

The CaGBC Energy & Engineering Technical Advisory Group is pleased to announce the release of an update to the LEED Canada 2009 Supplementary Energy Modelling Guidelines. This document, originally released in 2010, supplements and/or clarifies the energy modelling requirements provided for LEED Canada for New Construction and Major Renovations 2009 and LEED Canada for Core and Shell Development 2009 EA Prerequisite 2 and EA Credit 1, Option 1 – Whole Building Energy Simulation. This update provides additional clarity for all LEED Canada 2009 projects and is effective immediately.

The important updates included in this document provide clarifications where, historically, there may have been imprecise or conflicting information from various energy modelling guidance documents in the Canadian market; for example, the Model National Energy Code for Buildings (MNECB) 1997; the Performance Compliance for Buildings - Specifications for Calculation Procedures for Demonstrating Compliance to the MNECB using Whole Building Performance; or the EE4 Software Modelling Guide. In the event of conflicting direction from the energy modelling guidance documents listed above, this document takes precedence for the purposes of LEED Canada certification.

LEED Canada users will find much clearer language throughout the document, as well as additional guidance and a new, simpler path for modelling outdoor air rates in Reference energy models. A new Appendix has been added to provide direction and resources for calculating building envelope thermal performance, in response to feedback from the Canadian market regarding a perceived lack of expertise in this area. The CaGBC, through our volunteer technical advisors and certification reviewers, remains committed to the shaping and development of energy modelling technical capacity throughout Canada.

[Back to table of contents »](#)

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## Submission Concerns with Erosion and Sedimentation Control (ESC) in v2009

In LEED Building Design and Construction 2009, the reference standard for SSp1 Construction Activity Pollution Prevention changed from a standard that simply outlined a series of Best Management Practices (BMPs) to meet the objectives of the credit, to a standard focused more on performance, outcomes, and permitting with very specific requirements. However, CaGBC reviewers continue to see some projects submit for certification with documentation that appears to be following the direction of the older standard, the 1992 EPA Stormwater Management for Construction Activities Chapter 3.

Some Canadian applicants may be confused by portions of the current reference standard (the 2003 EPA Construction General Permit) that reference U.S. agencies (e.g., with regards to permitting), and may not review the standard in all detail, however all portions of the document that are applicable to projects in Canada must be followed. In particular, Part 3 provides an outline of the requirements for the Storm Water Pollution Prevention Plan (or ESC Plan) and LEED reviewers check each project's ESC plan and drawings against these requirements.

Alternatively, Canadian projects are also welcome to apply two other options:

1. CIR 889, which provides an alternative to the above standard. The CIR outlines the required elements of the ESC plan and references a further document for applicable BMPs. However, applicants must demonstrate that all elements outlined in the CIR have been addressed in sufficient detail to meet the requirement's objectives, or provide appropriate justification for why an element was not necessary in the context of the project.
2. Local standards and codes, where the local standards and codes are equal or more stringent than the US's National Pollutant Discharge Elimination System (NPDES) program requirements. In this case, a detailed, comprehensive narrative must also be provided, detailing how the local standards and codes are equivalent or exceed the technical components of the Phase I and Phase II NPDES program requirements.

It is important to note that Construction Activity Pollution Prevention is an important prerequisite for all LEED Building Design and Construction projects. Applicants are welcome to contact CaGBC Customer Service at [info@cagbc.org](mailto:info@cagbc.org) with further questions. CaGBC may consider additional education and outreach if interest warrants.

[Back to table of contents »](#)

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## Project Profiles Provide Great Exposure

Did you know that the [LEED Project Profiles](#) pages receive over 10,000 page views in an average month? This makes it one of the CaGBC website's most popular pages, and a great opportunity to highlight and showcase your projects. Be sure to submit your picture, project team list, and other key project details in order to take full advantage of this opportunity. For questions about updating your new or existing project profiles, contact [info@cagbc.org](mailto:info@cagbc.org).

As 2014 draws to a close, the CaGBC is happy to announce that it has certified the 2000th LEED project in Canada.

[Back to table of contents »](#)

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## Provide your input on LEED productivity tools

The CaGBC is evaluating interest in an online tool aimed at increasing the productivity of LEED project teams. This tool enables quick reference of CIR content and reference guides by rating system and individual credit. As well as presenting this information online using a credit-centric approach, a number of additional features are also being considered, such as discussion forums for individual credits. Please help us evaluate market needs by completing this [five minute survey](#).

[Back to table of contents »](#)

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## Help Inform Green Building in Canada – NRCan Survey is Coming

You can't manage without information, and the information that provides the backbone for many important current and future green building initiatives traces back to [NRCan's Survey of Commercial and Institutional Energy Use](#) (SCIEU). Amongst other things, this survey provides the data used to benchmark buildings within [ENERGY STAR Portfolio Manager](#). NRCan is currently working with Statistics Canada on an update to this important survey, and it is hoped that the latest survey will allow more building types to qualify for an ENERGY STAR performance score.

Statistics Canada recently contacted organizations to confirm whether they were in-scope for SCIEU 2014. This survey will be collecting data to produce two sets of energy estimates, one compiled by industry and the other by building-type. Respondent packages including an introductory letter, a glossary, as well as one or more questionnaire(s) or worksheet(s) will be mailed in the new year.

The CaGBC supports participation in this survey, which is crucial to helping building owners and operators, governments, utilities and many others obtain more accurate insight into energy use in the buildings sector.

[Back to table of contents »](#)

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## Education for LEED Practitioners

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

**[LEED v4 and Whole Building Life Cycle Assessment](#)** - On January 28, 2015, join Mark Lucuik of Morrison Hershfield to learn how to earn up to five points with the new whole building Life Cycle

Assessment (LCA) credit for Canadian LEED v4 projects. \$49+tax for CaGBC members; \$59+tax for non-members.

[Applying the NECB to LEED v4](#) - on February 17, 2015, join Christian Cianfrone from Morrison Hershfield to learn how to properly apply the *National Energy Code for Buildings 2011* under the LEED v4 Alternative Compliance Path for EAp2/EAc1. \$49+tax for CaGBC members; \$59+tax for non-members.

[Back to table of contents »](#)

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## Seeking Input on Translation of LEED v4 O+M

The CaGBC is working to ensure that as many LEED v4 resources as possible are available in French. To date, the updated LEED GA, LEED AP BD+C and LEED AP O+M exams have been translated, as well as a lexicon of key terms.

Thanks to everyone who commented on the translation of the LEED v4 Glossary. We invite you to now offer your feedback on the draft translation of the *LEED v4 for Building Operations and Maintenance* rating system. The draft translation will be [posted here](#) until January 31 2015, and feedback is welcome up until that time.

[Back to table of contents »](#)

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## One-day EcoDistricts and Municipal LEED workshop taking place Feb 9

On February 9, 2015, in advance the FCM Sustainable Communities Conference in London, Ontario, the CaGBC will host a full-day Green Cities Workshop in London, ON. The workshop will explore both the EcoDistricts framework and examine how LEED complements municipal sustainability policy.

### Schedule

Morning session: Get prepped on the EcoDistricts framework and start revitalizing cities from the neighbourhood up

8:00 a.m. to 11:30 a.m.

District-scale sustainability comprises the best thinking on urban regeneration and community building—we'll show you how to put all the pieces together. Participants will learn how the EcoDistricts Framework can guide innovation and deployment of best practices to create the neighborhoods of the future: healthy, vibrant, sustainable, and just.

This half-day training packs a lot of punch

We've designed the workshop with practitioners in mind. This is an introduction, but it's not an entry-level session. We'll equip public policymakers, and municipal developers, designers and staff with practical governance, engagement, assessment, and project development insights and approaches.

During the first half of the morning, you'll get a guided tour of the EcoDistricts Protocol, the research-driven tool for cultivating public-private-civic partnerships and creating innovative district-scale projects. Then you'll try your hand at putting the framework into practice in a project-based mock planning and strategy

Topics include:

- District Organization
- District Assessment
- District Projects
- District Management

For more detail on this half of the Green Cities Day, [view the official workshop flyer here](#).

Networking Lunch – 11:30 a.m. – 1:00 p.m.

Afternoon session: LEED Expert Panel Discussion

1:00 p.m. to 5:00 p.m.

Municipalities are increasingly concerned with sustainability issues including green house gas emissions, waste diversion, public transportation, and demand for water and sewer infrastructure. Over one hundred municipalities have referenced the LEED program in their efforts to green their infrastructure, and many include requirements for LEED certification of municipal buildings.

The workshop will consist of two components, an overview of the LEED rating system and then an interactive discussion in groups where participants will explore the following topics:

- Determining how LEED can help municipalities.
- Setting up sustainable design and operations policies.
- Practical application of LEED and the associated rewards.

For more details on this session, [visit our website](#) or read our [Expert Q&A Feature](#) with Director of Green Building Programs for CaGBC, Mark Hutchinson.

Pricing

Broken down into two half-day sessions and a networking lunch, participants can choose to attend the full day for \$350 or just one of the sessions for \$250.

[Click here for full pricing details or to register now](#).

For more details, questions about group pricing options or other information, contact us at [info@cagbc.org](mailto:info@cagbc.org) or visit [www.cagbc.org/greencitiesworkshop](http://www.cagbc.org/greencitiesworkshop).

[Back to table of contents »](#)

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