



September, 2009

What to expect from LEED 2009

Enermodal is coordinating the release of LEED 2009, and the due date is just around the corner.

LEED debuted in Canada five years ago, and quickly became the premier green building rating system. In those five years, 1,300 LEED projects have been registered with the CaGBC (Canada Green Building Council) and over 100 certified. LEED 2009 will feature several changes based on input from Enermodal and other industry leaders who use LEED on a daily basis. Buildings currently registered with the CaGBC can certify under LEED 1.0, LEED 2009 or apply for certain credits under each system. Those registering next year must use the LEED 2009.

There are many elements of LEED that will remain the same:

- six credit categories
- credit names and scope
- credit structures

Although the new reference guide will look very similar to LEED 1.0, it will also include CIRs, application guides for multi-unit residential buildings, campuses and multiple buildings, leased tenant space, and the LEED-CS (Core and Shell) rating system.

The substantial changes include the following:

- a regular development cycle (every three years the rating system will be redeveloped)
- the number and weighting of points (to better reflect the environmental importance of certain credits)
- new regional priority points (extra points available in certain existing categories that address issues of regional environmental importance)
- certification submittal process
- some credit requirements

Scoring

Core credits:	100 points
Innovation & Design:	6 points
Regional credits:	4 points
Total	110 points

Levels

Certified:	40 points
Silver:	50 points
Gold:	60 points
Platinum:	80 points

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Enermodal certifies 50 LEED projects

Enermodal recently certified its 50th LEED project, which represents over 40% of all LEED Canada NC certifications.

New Address

A Grandeur View Address
The address of Enermodal's new headquarters is

Enermodal Engineering
582 Lancaster Street West
Kitchener, Ontario
N2K 1M3

The fax number and phone numbers remain the same.

LEED APs

The LEED AP (Accredited Professional) process will be updated for 2009. The Green Building Certification Institute, which administers the LEED AP process in the US, will soon oversee the LEED AP process in Canada. The Institute is developing a more rigorous and specialized LEED AP designation process, one that will require more education on the part of applicants.

Under the new system, there are several professional designations:

Sustainable Sites changes:

- no buildings on prime farmland (Class 1, 2, and 3)
- structure of credits
- bike racks must be covered

Water Efficiency changes:

- prerequisite is a 20% reduction in water use
- water meters required
- thresholds for water use reduction increase to 35 and 40% for each credit
- baseline faucet flow rate reduced from 9.5 to 1.9L/min

Energy Efficiency changes:

- prescriptive compliance options for EAp2 and EAc1
- energy model for EAp2 and EAc1 must include process energy
- EAp2 is based on energy cost savings
- renewable energy thresholds changed to 1, 3, 5, 7, 9, 11, or 13%

Material Selection changes:

- bottom tier threshold (55%) for building reuse
- recycled content thresholds increased to 10 and 20%
- regional material thresholds increased to 20 and 30%
- rapidly renewable threshold dropped to 2.5%
- all wood product vendors must be FSC Chain of Custody certified

Indoor Environmental Quality changes:

- all low-emitting flooring covered
- controllability split into
 - lighting (task lighting)
 - thermal comfort (windows and individual controls)
- thermal comfort: verification requires occupant survey

Innovation changes:

- maximum of three points for Exemplary Performance)
- four "Regional Priority" points
- three points for meeting credit important to region (i.e. achieving waste diversion credit in regions with limited recycling options)

For more information, contact [David Rekker](#) in Enermodal's Green Building Division.

LEED Associate

- basic designation for those associated with the LEED industry (such as a manufacturer or student), but not directly involved with the design and construction of green buildings.
- a core exam and 15 hours of biennial training education



LEED AP+

- basic designation for professionals working on LEED projects
- requires a specialty e.g., NC, CI, EB) achieved by taking an additional exam
- documented experience on at least one recent LEED project
- 30 hours biennial education



LEED AP Fellow

- highest LEED AP designation
- major contributions to green building field
- requires peer review of project portfolio



Legacy LEED AP

- those achieving their LEED AP prior to LEED 2009 automatically receive this designation for two years, at which point they will lose their AP credential unless they meet the requirements to become a LEED AP+

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