Letter from the Chair and the President & CEO

As 2012 is the CaGBC’s tenth anniversary, it is important to take stock of the Council’s decade of achievements in advancing green building in Canada.

When the CaGBC was founded in 2002, green building in Canada was in its infancy. Without a doubt, the introduction of LEED® in 2004 blazed a trail of innovation in building design and construction. Certified projects demonstrated how the performance of buildings could be considerably increased, and provided the evidence needed for policy makers to raise expectations and standards.

Cities, provinces and the federal government adopted green building policies requiring LEED certification for their own buildings. This was a pivotal moment for green building in Canada as it created demand for services, products and technologies. Soon the private sector came on board, recognizing that green buildings offered benefits for their particular business interests.

The CaGBC and its members created a green building industry in Canada which is now recognized globally for innovation and leadership. With a new industry came the demand for skilled professionals and expertise. The CaGBC made a significant contribution to green jobs growth in Canada by training over 20,000 professionals and accrediting over 9,000 professionals under LEED over the past decade.

2011 was a year of transition which was triggered by the Board’s decision to create additional value for our membership and the industry. This was set in motion by investing in more diverse programs and next generation building tools, as well as focusing on existing buildings and the larger transformation at the neighbourhood and community scale. This strategic vision was implemented through:

- Strengthening the local Chapters through ongoing financial support and assistance with improving governance structures. Every Chapter now has an executive director which adds considerable strength to our national network.
- Investing in programs that enhance the performance of existing buildings. After extensive pilot demonstrations, the CaGBC is ready to launch GREEN UP® as a national program to engage the existing building sector in performance benchmarking and management.
- Actively supporting leading edge tools such as the Living Building Challenge and Passive House Standard to reduce the environmental footprint of buildings and homes to zero and beyond.
- Streamlining the LEED certification process with the aim of better meeting market expectations to deliver certification in six months or less on average.
- Augmenting our education offering through the development of more content, online delivery tools, as well as forming partnerships with universities and colleges. This will help LEED professionals to meet their credentialing requirements and others to grow their expertise.
- Identifying and promoting Canadian capabilities around the globe through the World Green Building Council and the federal Department of Foreign Affairs and International Trade.

2012 will continue to be a transitional year as the CaGBC develops into a more diverse and effective organization. By following the current strategic direction, the Council will continue to drive innovation in building design while engaging those segments of the industry that have not yet participated.

The accomplishments we have achieved over the past ten years could not happen without a dedicated, diverse network of industry professionals who are committed to the vision of the Council. We sincerely thank our members, supporters and volunteers for their dedication to green building in Canada and we look forward to a successful year and a bright future.

Thomas Mueller
President and CEO,
Canada Green Building Council

Lisa Bate
Chair, Canada Green Building Council

www.cagbc.org
OUR MISSION

The Canada Green Building Council’s mission is to lead and accelerate the transformation to high-performing, healthy green buildings, homes and communities throughout Canada.

Founded in 2002, the CaGBC is a national, not-for-profit organization dedicated to advancing green building in Canada. The Council is recognized as a leader in green building design, LEED certification, performance measurement and verification, and sustainable community development. Council programs reduce the environmental impact from the built environment in many ways. Offering educational programs and tools to build green building knowledge, skills and technologies; certifying green buildings and homes; and encouraging the use of performance benchmarking and reporting, all push the green building industry forward. The CaGBC also works closely with leaders and decision-makers in industry and government who influence how our buildings, communities and cities are developed.

Members

In 2011, membership in the Canada Green Building Council was comprised of nearly 1,600 private, public and not-for-profit sector organizations and companies involved in the design, construction and operation of buildings and homes. It also included manufacturers and suppliers of products and technologies. The CaGBC provides its members with an active voice in the green building community and opportunities to shape green building tools through voting on LEED balloting, by participating in technical advisory groups. CaGBC members also contribute to the development of educational and green building programs by serving on CaGBC’s Board of Directors and committees.

The majority of our 2011 membership (56 per cent) was comprised of professional firms, with 29 per cent coming from the contractor, products manufacturing and supply sectors and the remainder divided between landlords, real estate owners and tenants, academia, government, not-for-profit sector, industry associations and utilities.

Chapter network

The Canada Green Building Council works closely with a network of eight Chapters to extend the green building market transformation to the diverse regions and communities across Canada. Chapters assist CaGBC in fulfilling its educational objectives, and play a key role in advancing the CaGBC vision and mission at the local level by engaging members and advocating local government for greener buildings, neighbourhoods and cities.
2011 was a year of transition for the CaGBC with the implementation of several governance changes. These initiatives were put in place to ensure the CaGBC continues to become more effective and nimble in supporting the green building industry.

Highlights from 2011

This transition was the result of a thorough governance review conducted by an independent consulting firm with significant expertise in board effectiveness, corporate governance and performance. Changes undertaken in 2011 included a gradual transition to a Board governance model focused on strategy, policy, governance and finance, and to a smaller National Board formed of senior representatives in the building industry. The review also identified strategies for better integration with CaGBC Chapters.

Complementing this governance transition, the Council reviewed its strategic initiatives to ensure it continues to add value to the rapidly growing green building industry. This is achieved by offering more diverse programs, tools and approaches, with a focus on existing buildings and the larger transformation at the neighbourhood and community scale.

Accelerating market transformation in Canada and around the globe

Since its creation in 2002, the CaGBC has advocated and worked with all levels of government on the development of green building policies and practices. The City of Calgary, City of Vancouver and Public Works and Government Services Canada were early adopters of green building policies for their own building stock. Almost all large cities and provincial governments now have green building policies and programs in place which provide a major stimulus to the marketplace. More recently, the Province of Newfoundland adopted a LEED Silver policy.

Advocacy also extended to international events with the greening of the venues and community developments for the 2010 Winter Olympics in Vancouver and collaboration on the 2015 Pan Am Games in Toronto. In 2011 the CaGBC met with Environment Canada and participated in the United Nations Environment Programme (UNEP) green buildings initiative, and held a Government Roundtable with local, provincial and federal representatives in 2011.

Market transformation was enhanced through our partnerships with organization in industry and government. They include Toronto & Region Conservation Authority, BC Hydro, Public Works and Government Services Canada, Canadian Construction Association, Real Property Association of Canada, and Department of Foreign Affairs and International Trade Canada.

The CaGBC has also been active in supporting market transformation around the globe. The Council signed a three-year agreement with the federal Department of Foreign Affairs and International Trade (DFAT) to better position and promote Canadian green building capabilities internationally, leading to increased international opportunities for the Canadian green building industry.

The CaGBC is a member of the World Green Building Council (World GBC) since 2004 and has contributed to the evolution of the organization by having President and CEO, Thomas Mueller, share his Canadian knowledge and expertise as a Board Director. The World GBC is committed to accelerating the transformation of the built environment towards sustainability, facilitating the development of new green building councils, and promoting collaboration between green building councils, countries and industry leaders.
GREEN BUILDING PROGRAMS

In line with the strategic direction of evolving into a more diverse organization, the CaGBC invested in green building tools and programs (in addition to LEED Canada) to further promote and support the adoption of green building practices.

GREEN UP
In 2011, the CaGBC continued to invest in the development and testing of the new GREEN UP platform and prototype, CaGBC’s proprietary program, designed to engage the existing building sector in performance benchmarking and management.

GREEN UP helps building owners and real estate managers track energy and water use, set goals to reduce greenhouse gas (GHG) emissions, and take steps to improve the operational and environmental performance of their portfolio. The program provides cost-effective access to a national database that will include building performance data for office, multi-family, long-term healthcare, hotel, retail, K-12 school, and government buildings.

GREEN UP officially began in 2008 as a one-year pilot project that tracked the energy use of three building types—commercial office buildings, administrative buildings, and K-12 schools. With partner and industry input, the program was expanded to include pilot projects with post-secondary institutions, arenas, banks and credit unions, from 2009-2011. The GREEN UP pilot projects demonstrated a new approach to managing the energy and environmental performance for buildings in Canada.

Through GREEN UP, the CaGBC is contributing to expanding the knowledge and practice of energy and water efficiency in existing buildings.

Living Building Challenge
The Council collaborated with the Cascadia Region Green Building Council to support the Living Building Challenge, a program that defines the most advanced measure of sustainability possible in today’s built environment. The program encourages the design and construction of next generation buildings and attempts to diminish the gap between current limits and ideal solutions.

LEED Canada rating systems
The CaGBC holds the license for the Leadership in Energy and Environmental Design (LEED) Green Building Rating System in Canada and is responsible for certifying LEED projects in this country. By the end of 2011, over 57 million square metres of LEED projects were registered or certified in Canada.

The LEED Green Building Rating System encourages and accelerates global adoption of sustainable green building and development practices, through the creation and implementation of universally understood and accepted tools and performance criteria. The Canadian rating systems are an adaptation of the US Green Building Council’s (USGBC) LEED Rating System, tailored specifically for Canadian climates, construction practices, regulations, culture and language. The rating systems are adapted to the Canadian market through an inclusive process that engages stakeholders and experts representing the various sectors of the Canadian building industry.

In 2011, GREEN UP® delivered 4.9% energy savings, $6,100,000 in cost savings, and a reduction of 27,700 tonnes in GHG emissions across programs compared to 2010.

Centennial Place, Calgary
Owner: OMERS Realty Corporation
Architects: Design – WZMH Architects, Project – Gibbs Gage Architects
LEED certification process improvements
In 2011 the CaGBC set the goal of completing LEED project certifications within a six-month period. Consultations with industry specialists were held to determine changes to the certification process to deliver certification in a timely fashion, in line with market expectations. Improvements to be expected in 2012 include:

- Option to have design-related credits reviewed immediately following design completion, while the design team is still actively engaged.
- Option to provide additional materials with the initial documentation package in order to expedite the certification process by eliminating the need to review audit material.
- Creation of pre-approved Regional Priority credits.

2011 also saw improvements in the Credit Interpretation Request (CIR) process and database functionality. CaGBC members can now retrieve all the information for a given CIR in a streamlined one-page profile and export data to a spreadsheet for offline access. CIRs can now be associated with multiple credits, even credits from different rating systems. By the end of 2011, the CaGBC had over 550 CIR rulings posted in the database.

LEED Canada for Homes
Since its introduction in March of 2009, LEED Canada for Homes has been effective in promoting energy efficient, healthy, green homes in Canada, with over 1,800 homes registered and 350 certified to date. In 2011, LEED Canada for Homes established a partnership with the Canadian Passive House Institute (CanPHI) to further advance green building standards for homes in Canada through education and certification. The LEED Canada for Homes program counts on a network of providers responsible for selecting suitable projects and administering a team of Green Raters, who together with the providers verify that homes in the program are built to meet the requirements of the rating system. In 2011, the program recruited and trained four new providers to add to this network.

LEED project certifications review teams
- Courchesne et associés
- Enenermodal Engineering
- exp
- Halsall Associates
- Jay Hall and Associates
- Morrison Hershfield
- Perkins «Will
- Stantec

LEED Canada for Homes provider network
- 4 Elements Integrated Design
- Arborus Homesol
- BEC Construction Consulting
- Building Energy
- Clearsphere
- E3 Eco Group
- EcoAmmo
- EnertQuality
- EnvironChem Services
- Évaluations Écohabitation
- Homesol Building Solutions
- Mindscape Innovation
- PrairieHOUSE
- Sun Ridge Group
- ThermalNise

Education
Over the course of 2011, the CaGBC continued to support industry practitioners in building knowledge of leading-edge concepts and initiatives, and in attaining or maintaining their LEED credentials. In total, 1,563 participants received training through instructor-led workshops, 876 participants attended online training following the successful introduction of e-learning options including on-demand programs and webinars, and 444 participants received in-class and virtual classroom training through the Higher Education program.

The CaGBC also fostered and leveraged new partnerships with corporations and associations to address the LEED education needs of their staff and members. The Council expanded its Higher Education program nationally with 18 post-secondary institutions to improve access to training for full-time continuing education and professional development, and released a higher education course that provides a comprehensive overview of the LEED Canada for New Construction 2009 rating system which satisfies all requirements for the maintenance of the LEED professional credential for building design and construction (LEED AP BD+C).

In an effort to continue to provide relevant and cost-effective content, CaGBC launched a successful Education Exchange pilot program to acquire content from member organizations that resulted in the development and launch of four half-day workshops (13.5 CE hours), three full-day workshops (17 CE hours), and seven on-demand courses (7.5 CE hours) with an additional 13.5 CE hours of content slated for 2012 release.

2011 also saw the planning of the CaGBC’s Sustainable Building Advisor (SBA) program, a nine-month certification course that requires no existing green building education or experience and is focused on practical, forward-thinking ways to design, construct and manage buildings that are resource efficient, environmentally responsible, cost-effective, and healthy for all occupants.
2011 Events

National Symposium
In April 2011, the CaGBC National Symposium focused on Existing Buildings at the Allstream Centre in Toronto. The event brought together over 350 leading thinkers and practitioners on green building and urban sustainability to share thoughts and lead discussion about making existing buildings more sustainable.

Greenbuild 2011 and Canada House Pavilion
The USGBC’s Greenbuild conference took place in Toronto in October 2011, attracting 23,000 delegates from all over the world. As host organization for this international conference, the CaGBC assumed six specific areas of responsibility and established committees, using a vast volunteer network, to manage each area.

» The Best of Canada Committee decided upon Canadian content within the Greenbuild program. This work resulted in over 600 delegates attending sessions in the Best of Canadian Building education track.

» The Off-site Education Committee was responsible for eight sessions to be held in venues other than the Metro Toronto Convention Centre which resulted in all of the off-site education tracks being filled before the conference began – this was a first for Greenbuild.

» The Tours Committee coordinated a series of full- and half-day tours featuring green buildings within the GTA. This work resulted in over 550 people visiting the region’s best green buildings through the Tours and International Delegation program.

» The Volunteers Committee organized over 300 students and young professionals who filled 800 volunteer shifts in exchange for a free Greenbuild conference pass.

» The Bioregional Committee coordinated with other non-profit, environmentally-aware organizations for the promotion of Greenbuild which resulted in 19 Bioregional partner associations introducing their members to CaGBC and Greenbuild via their participation.

» The Legacy Committee solicited proposals, evaluated and chose the recipients of $10,000 in legacy funding from USGBC and CaGBC. They chose two local urban farming projects to be funded through the Greenbuild Legacy Project.

Canada House Pavilion
The Canada House Pavilion took place across the street from Greenbuild. Canada House provided a focal point for networking, as well as a venue to showcase Canadian capabilities and services to Greenbuild participants and support those Canadian companies who were not able to participate in Greenbuild.

Over two days, more than 2,500 people came to Canada House to view the Canadian showcase and attend receptions and breakfasts. The Department of Foreign Affairs and International Trade used a portion of Canada House for business-to-business matchmaking meetings. Over 275 companies were scheduled to participate in as many as 600 meetings. The US Consular Service also participated in Canada House staging a breakfast roundtable conference for 50 invited guests. The roundtable was hosted by US Ambassador to Canada David Jacobson and Thomas Mueller.

2011 Leadership Award Recipients:

TELUUS House, Toronto
Owner/Developer: Menkes Developments

RECOGNIZING EXCELLENCE: CaGBC LEADERSHIP AWARDS

Since 2008, the Canada Green Building Council has recognized outstanding contributions to advancing green building in Canada in seven categories: Chapter Leadership; Government Leadership; Industry Leadership; CaGBC Volunteer; Green Building Champion; Academic Leadership; and Lifetime Achievement.

Chapter Leadership
Cindy Choy
CaGBC Manitoba Chapter, Manitoba

Government Leadership
Province of Ontario

Industry Leadership
Michael Brooks
REALPac, Ontario

CaGBC Volunteer
Curt Hepting
Enersys, British Columbia

Academic Leadership
Dr. John Robinson
UBC, British Columbia

Lifetime Achievement Award
Wayne Trusy
The Athena Institute, Ontario

Andy Kestaloo Memorial Student Project
Alita Jones, Chad Magier
Conestoga College
Board of Directors

The Canada Green Building Council is governed by a Board of Directors comprised of a cross representation of key building industry sectors across Canada.

Directors serving in 2011 on the CaGBC National Board

Lisa Bate (Chair)
B+H Architects

Thomas Mueller (ex-officio)
President & CEO, Canada Green Building Council

Anthony Esposito
Business Development Bank of Canada

Blair McCurry
Perkins + Will Canada

Brian Denney
Toronto & Region Conservation Authority

Chris Smith
U.S. Green Building Council

Alex Zimmerman
Applied Green Consulting

Christopher Sweetnam-Holmes
Les Développements EcoCité

Gail McBride
BC Hydro

Giselle Gagnon
Bentall LP

Jamie James
Tridel

Joanne Weir
MTS Allstream

Mark Gorgolewski
Ryerson University

Mark Laroche
Canada Lands Company

Mark Lucuik
Morrison Hershfield

Marten Duhoux
Friesen Tokar
(Chapter representative)

Nancy Searchfield
Colliers International

Renée L. Gratton
RG integration

Trish Clarry
TELEUS Communications

Troy Braithwaite
PCL Construction Management

Physical plant given by Michael Furlong on Unsplash

National Committees and Technical Advisory Groups (2011)

The Canada Green Building Council relies on the time, commitment and passion of its many volunteers participating in National Committees, Technical Advisory Groups and Chapters across Canada to advance and achieve its objectives.

Executive Committee

Lisa Bate (Chair)
B+H Architects

Mark Lucuik (Vice Chair)
Morrison Hershfield

Mark Lucuik (Vice Chair)
Colliers International

Troy Braithwaite
PCL Construction Management

Nancy Searchfield
Colliers International

Christopher Sweetnam-Holmes (Vice Chair)
Les Développements EcoCité

Joanne Weir (Secretary)
MTS Allstream

Anthony Esposito
(Treasurer)
Business Development Bank of Canada

Finance Committee

Anthony Esposito (Chair)
Business Development Bank of Canada

Troy Braithwaite
PCL Construction Management

Gayle Maltais
Staff Liaison

Governance Committee

Bruce Lorimer (Chair)
Lorimer Consulting

Brian Denney
Toronto & Region Conservation Authority

Gail McBride
BC Hydro

Joanne Weir
MTS Allstream

Lisa Bate
B+H Architects

Mark Laroche
Canada Lands Company

Mark Duhoux
Friesen Tokar

Thomas Mueller
Canada Green Building Council

Carla Giles
Staff Liaison
Education Committee

Jack Meredith (Chair)
HGBC Healthy Green Buildings Consultants

Bob Marshall
Halkrow Yolles

Christopher Sweetnam-Holmes
Les Développements EcoCité

David Reznovitz
George Brown College

Lori Lang
Brookfield LePage Johnson Controls

Michael Pelton
Fluent Group Consulting Engineers

Michael Tiffe
TAB Mechanical

Michel Labrie
Michel Labrie Architect

Simon Jones
LDEKF – Oliver Pearl Poddubni et associés architectes

Stefan Alexander
SR Alexander Engineering

Tanya Doran
CaGBC Alberta Chapter

Cynthia Bland
Staff Liaison

Higher Education Working Group

Deena Boeck
University of British Columbia

Rod Stutt
SAIT

Kristin Dyer
Mount Royal University

Tracey Loston
SAIT

Denis Gravelle
Humber College

Crystal Finnigan
Staff Liaison

LEED Canada Steering Committee

Alex Zimmerman (Chair)
Applied Green Consulting

Brenda Martens
AEdifica

Edwin Lim
Pinchin Environmental

Jamie James
Tridel

Sébastien Garon
Sébastien Garon Architecture + Design

Steve Kemp
Enermodal Engineering

Mark Hutchinson/Colleen Loader
Staff Liaisons

Sébastien Garon (Chair)

Sébastien Garon Architecture + Design

Guillaume Martel
BLOUIN TARDIF architecture and environnement

Jamie McKay
Morrison Hershfield

Technique Advisory Group (TAG): Materials

Sébastien Garon (Chair)

Sébastien Garon Architecture + Design

Guillaume Martel
BLOUIN TARDIF architecture and environnement

Jamie McKay
Morrison Hershfield

Technique Advisory Group (TAG): Sites and Water

Brenda Martens (Co-Chair)
AEdifica

Stephen Carpenter (Co-Chair)
Enervolt Consulting Engineers

Crystel Bomas
Prairie Architects

Graham Snell
Stantec

Terry Peters
Fluent Group Consulting Engineers

Jennifer Payne
AMEC Earth and Environmental

Mike Williams
CDML (Ontario)

Mitch Strocon
ACDBT Architecture + Interior Design

Russ Gallosh
City of Calgary Corporate Properties

Sue Clark
Morrison Hershfield

Trina Larsen
DIALOG

Colleen Loader/ Ghislaine Johnson
Staff Liaisons

LEED Canada for Homes Technical Advisory Steering Committee

Derek Hickson (Chair)
Minto Group

Allan Dobie
Canada Mortgage and Housing Corporation

Andrew Oding
Red’s Heritage Group

Angela Bustamante
Building Knowledge Canada

Chris Williams
Avalon Master Builder

Emmanuel B. Cosgrove
Ecohabitation

Jim Doddi
Red’s Heritage Group

John Godden
Clearsphere

Juliette Patterson
Catalyse Urbaine

Kyle Anders
Mind scape Innovations Group

Noel Cheeseman
Enerlife Consulting

Tomi Awaram
Adara Homes

Troy Glassner
E3 Group

Christopher Higgins
Staff Liaison

Technical Advisory Group (TAG): Materials

Sébastien Garon (Chair)

Sébastien Garon Architecture + Design

Guillaume Martel
BLOUIN TARDIF architecture and environnement

Jamie McKay
Morrison Hershfield

Keith Robertson
Solterra Design

Kim Rishel
EllisDon Corporation

Pam Barteaux
PNB Supply & Services

Penny Martyn
Perkins + Will Canada

Randy Van Straaten
University of Western Ontario

Sarah Chef
Smith Carter Architects & Engineers

Sheila Brown
Stantec

Stan Bury
DIALOG

Tracey Loston
SAIT Polytechnic

Jenie Yao/Rachel LeBlanc
Staff Liaisons
Technical Advisory Group (TAG): Energy and Engineering

Steve Kemp (Chair)
Enermodal Engineering

Christian Canfrone
Morrison Herschfeld

Clément Guénard
Arborus Consulting

Craig McIntyre
Provident Energy Management

Jennifer Sanguinetti
BC Housing

Martin Roy
Martin Roy et Associés

Wendy MacDonald
Advacis Group Consultants

Cloéle Vermeulen/Charling Li
Staff Liaisons

GREEN UP Committee

Ed Lim (Chair)
Pinchin Environmental

Bruce Muise
Public Works and Government Services Canada

Louise Tanguay
Natural Resources Canada

Tom Kovendi
Cadillac Fairview Corporation

Kirk Johnson/Monique Goguen
Staff Liaisons

Neighbourhood Development Committee

Dan Leeming (Co-Chair)
The Planning Partnership

Elna Horowitz
Ad Personum

Larry Brydon
Reliance Home Comfort

Odete Pinho
HB Lanarc

Alberta Chapter
Trina Larsen
Chair
Tanya Doran
Executive Director

Atlantic Chapter
John Crane
Chair
Lara Ryan
Executive Director

Manitoba Chapter
Marten Duhoix
Chair
Lisa MacDoran
Executive Director

Cascadia Chapter
Mary Louise Vidas
Chair
Jason McLennan
Chief Executive Officer

Greater Toronto Chapter
Shawn Vanderheiden
Chair
LyLe Shapley
Executive Director

Ottawa Chapter
Ian Chai Nguyen Weekes
President
Teresa Hanna
Executive Director

Quebec Chapter
Nadine Leonard
President
Ginette Pellerin
General Manager

Saskatchewan Chapter
Ian Stewart
Chair
Hamish Tulloch/Tom Myers
Executive Director

Thank you

We gratefully acknowledge the support and work of our members, volunteers and staff for their dedication to green building, neighbourhoods and communities in Canada.

Chapelview Apartments, Brampton
Developer/Builder: Martinway Developments Limited
Architect: HCA Architects