

UBC GATEWAY
ZCB-Design v2
Vancouver, British Columbia

CAGBC

20
23

ANNUAL
REVIEW

AN INTRODUCTION FROM THE PRESIDENT & CEO

I am excited to share with you the Canada Green Building Council's 2023 Annual Review. This review provides a snapshot of CAGBC's efforts over the last year to accelerate the transition to zero-carbon, resilient, and green buildings.

As an industry-led organization, we help Canada's building and real estate sectors unlock the value of green buildings. Over the last 20 years, we've successfully demonstrated that green buildings are good for business and people. Green buildings are highly desirable because they increase in value, cost less to operate, and provide healthy indoor environments for occupants.

As market interest is changing, green buildings are seen as a strategic investment that align with investor and tenant expectations around Environmental, Social and Governance (ESG) targets, and with government policies on decarbonization, circularity and economic development. Investments in green, zero-carbon buildings also help protect assets against future risks, including higher carbon prices, evolving building codes, and increasingly extreme weather events.

To meet market needs, CAGBC has put considerable emphasis on informing government policies, codes and programs through research, stakeholder consultations and certified building projects. We also provide technical and customer support to help our members implement the solutions needed to decarbonize Canada's large buildings.

DRIVING CHANGE THROUGH INFORMED POLICIES

Ensuring Canada's green building sector is supported requires smart policies and programs that advance decarbonization through zero-carbon new construction and deep carbon retrofits. In 2023, we engaged with the Federal Government to advocate for important changes to the Model Codes, the Canada Green Buildings Strategy, the Greening Government Strategy, and significant investment in programs that accelerate better buildings and carbon reductions.

The year also saw us return to Ottawa for our Green Building Day on the Hill, which included industry roundtables, meetings with key ministers, members of parliament and the public sector, and a reception attended by all major political parties in a show of non-partisan support.

CAGBC also attended COP28 in Dubai to support the launch of the Buildings Breakthrough Agenda and the Cement & Concrete Breakthrough which emphasize the urgent action needed to decarbonize the building sector. The Building Breakthrough provides valuable insights for advancing climate action in the Canadian market.

SUPPORTING IMPLEMENTATION

From a green building perspective, 2023 was an exciting year with changes in global policy, domestic investment in zero-carbon buildings and retrofit projects, and the launch of international reporting and disclosure standards. We actively participated in shaping the next version of LEED by

coordinating feedback from our members and stakeholders to help ensure it will continue to meet Canadian market expectations. We also saw continued uptake on our made-in-Canada Zero Carbon Building Standards, which are guiding hundreds of registered projects toward decarbonization.

We prepared Canada's building sector for the future with the Low Carbon Training Program, funded in part through the Government of Canada's Sectoral Workforce Solutions Program. The program was supported by our co-delivery partners, including the [Canadian Construction Association](#) (CCA), [Climate Risk Institute](#) (CRI), [Royal Architectural Institute of Canada](#) (RAIC), [Building Owners and Managers Association](#) (BOMA), and the [Real Property Association of Canada](#) (REALPAC). As the first training program and partnership of its kind, it was designed by industry leaders to provide companies and professionals with low-carbon fundamentals as a first step in preparing the industry for the future.

Our successes across advocacy and implementation support were made possible by our members. Your engagement and participation in our programs, advisory and technical committees, on our board, and as training faculty remained critical to increased market impact in 2023. Thanks to you and the work of CAGBC's dedicated team, we continued to advance our mission. While there will still be challenges ahead as the sector grapples with the transition to zero carbon, we are now on our way and turning back is not an option. 🏡



THOMAS MUELLER
PRESIDENT & CEO
CANADA GREEN BUILDING COUNCIL

THUNDER BAY ART GALLERY WATERFRONT
ZCB-Design v2
Thunder Bay, Ontario

BETTER BUILDINGS
ARE POSSIBLE. ↗

2023 HIGHLIGHTS

This year, CAGBC embarked on the first year of a new 2023-2025 Strategic Framework, with the goal of advancing all Canada’s large buildings on a path to zero. Through this strategy, CAGBC laid out how it will invest in market support, accelerate market transition, and elevate zero-carbon action.

Here is how CAGBC advanced on these key areas in 2023:

INVEST IN MARKET SUPPORT:

1. The second annual Green Building Day on the Hill was a great success, with industry representatives meeting with Parliamentarians from all the major parties and public servants to discuss Canada’s green building sector.
2. On March 27, 2023, CAGBC led an op-ed in support of an ambitious and well-funded Green Building Strategy. 41 industry associations and members signed alongside CAGBC.
3. CAGBC received observer status from the United Nations Framework Convention on Climate Change (UNFCCC) and participated in COP 28 in Dubai.
4. CAGBC and the Embassy of Canada in Washington D.C. hosted a reception for the Canadian delegation of companies participating in Greenbuild, with attendance from senior representatives of the United States government, including the Administrator of the General Services Administration, Robin Carnahan.
5. Helped manufacturers prepare for green procurement requirements with the Manufacturer Kickstarter and the Environmental Protection Declaration (EPD) Optimization Kickstarter.
6. Launched CAGBC’s new online education platform, delivering a more streamlined and modern learning experience.

ACCELERATE MARKET TRANSITION:

1. Held stakeholder engagement sessions to inform the development of ZCB-Design v4.
2. Launched French versions of the popular Zero Carbon Building Standards Workshop.
3. Launched a new Embodied Carbon Technical Advisory Group to address this critical and rapidly evolving aspect of decarbonization.
4. Launched a new National Issues Accelerator on Low Carbon Construction and a Sustainable Financing Focus Group to generate market-led solutions.
5. Critical Canadian participation in USGBC LEED v5 committees and the formation of new technical accelerators to provide Canadian insight into the LEED rating system development process.
6. Consulted on the development of the 2025 Model Codes for Canada.
7. Collaborated with Canadian industry and green building councils worldwide to comment on developing international standards, including GRESB, Science Based Targets Initiative (SBTi) and Carbon Risk Real Estate Monitor (CRREM).

ELEVATE ZERO-CARBON ACTION:

1. Doubled the annual number of ZCB-Design certifications and tripled the annual number of ZCB-Performance certifications.
2. Launched the free Low Carbon Training Program, funded in part by the Government of Canada. The program is on track to reach 3,000+ participants and is supported by partners from across the building and real estate sectors.
3. Consulted with over 100 stakeholders, including 42 apprentices, on developing the BC-focused Building Our Future: A Low-Carbon Training Strategy for the Trades.
4. Continued to advance research on carbon capture and utilization in building materials in partnership with the University of Toronto and industry supporters.
5. Expanded on CAGBC’s organizational learning delivery, with programs developed and delivered for YMCA, Canada Post, Canadian Nuclear Labs, Department of Fisheries and Oceans, and Ministry of the Environment (Quebec).

BUILDING LASTING CHANGE 2023

CAGBC's annual green building conference, Building Lasting Change, returned to Vancouver for the first time since 2020. Over 300 leaders representing the investment, financing, development, design, construction, and operations sides of the building spectrum attended the two-day event. Sessions leaned heavily into decarbonization, recognizing the growing risk carbon emissions represent for the real estate sector.

The conference also included the first Public Policy Forum at BLC, led by Ann White, Director of the Canada Green Buildings Strategy at National Resources Canada. Peter Templeton, President and CEO, US Green Building Council, met with CAGBC members to talk about the future of LEED and presented a keynote address at the conference opening. CAGBC's long-time partner, the Real Property Association of Canada (REALPAC) launch their first-ever ESG report on the Canadian commercial real estate sector.

The conference ended on a high note, with a closing keynote on nature-based solutions from the Nature Conservancy of Canada, and the Gala Dinner and Celebration, honouring the winners of the CAGBC Awards for Green Building and Leadership.

We thank our returning presenting sponsor, Mitsubishi Electric Heating & Cooling and all BLC sponsors.



Photo credit: Jon Benjamin Photography.

PARTNERSHIPS

As the Council representing Canada's green building and real estate sectors, CAGBC is a valued partner to key stakeholders. By collaborating with like-minded organizations and supporting the policies and programs that advance green building, CAGBC and its partners are accelerating green building in Canada and around the world.



Employment and
Social Development Canada

Emploi et
Développement social Canada



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada



Infrastructure
Canada



Natural Resources
Canada

Ressources naturelles
Canada



Treasury Board of Canada
Secrétariat

Secrétariat du Conseil du Trésor
du Canada



LOW CARBON TRAINING PROGRAM PARTNERS



RAIC | IRAC
Royal Architectural Institute of Canada
Institut royal d'architecture du Canada

PRODUCTS & SERVICES

CAGBC supports the building sector’s sustainability efforts through access to leading standards and rating systems, as well as the products and tools needed to transform Canada’s built environment.

PRODUCTS



SERVICES



Certification



Verification



Learning



Research



Advocacy



Support

BUILDING OUR WAY FORWARD. ↗

GREEN GABLES VISITOR CENTRE
LEED Gold
New Glasgow, Prince Edward Island

CAGBC ANNUAL REVIEW — 2023



2023 BY THE NUMBERS

827 14,142

Member Companies

People who are members

11,519

Hours of Learning Delivered

DECARBONIZING CANADIAN BUILDINGS

CAGBC is helping project teams advance toward Canada's 2050 decarbonization with projects that remove combustible fuels and are fully electrified:

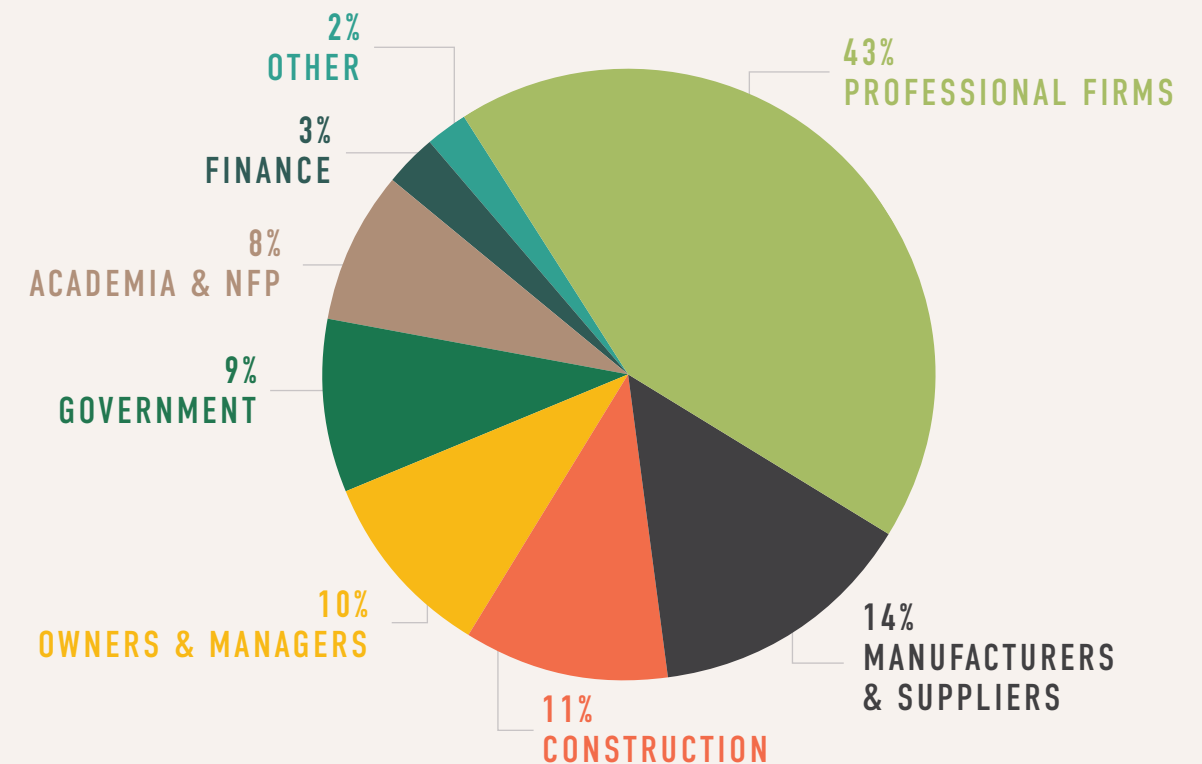


3 IN 4 ZCB-Design certified buildings



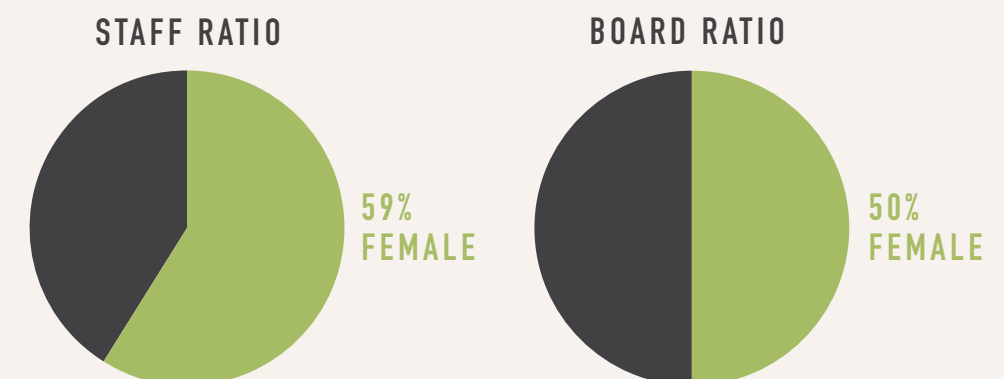
1 IN 7 LEED v4 BD+C certifications

CAGBC's vast network represents green building professionals across the building, real estate, finance, and government sectors who are realizing value on the path to zero.



EQUAL BY 30 COMMITMENT

The Equal by 30 Campaign works to advance the participation of women in the clean energy transition and close the gender gap by taking concrete action. CAGBC is a signatory and committed to advancing inclusive approaches to hiring and representation.



OUR COLLECTIVE IMPACT

Combined certifications for LEED, ZCB,
and IREE, across Canada.

GREEN BUILDING CERTIFICATION TOTALS IN CANADA

53

ZCB-Performance buildings

48

ZCB-Design buildings

5,931

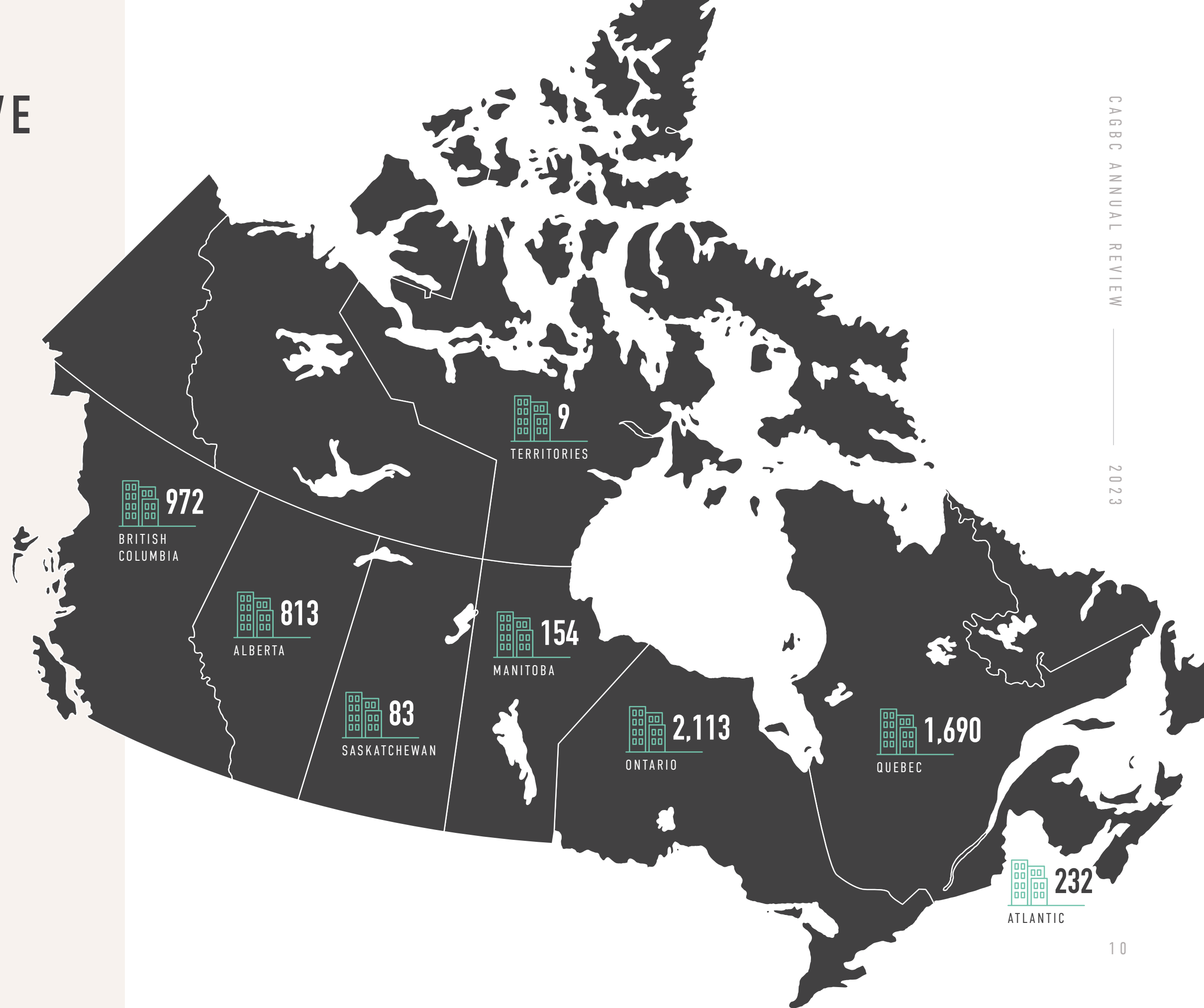
LEED Certified projects

1.68

LEED Certified area per capita (m²)

68,600,000

LEED Certified space (m²)



LEED IMPACT IN CANADA SINCE 2005



360 OAKVILLE PLACE
LEED Gold
Oakville, Ontario

Energy savings of

40.5 MILLION
eMWh

which is enough to power
1,374,000 homes in Canada for a full year.

Water savings totalling

70 BILLION
LITRES,

enough to fill 28,000
Olympic swimming pools.

A

7.8 MILLION CO₂E
TONNE

reduction in greenhouse gas emissions which
equates to taking over 1,650,000 cars off the
roads for a year.

Over

4.175 MILLION
TONNES

of construction/demolition waste diverted,
which is enough to fill the entire Rogers Centre
in Toronto 16 times.

ZCB IMPACT

OKANAGAN COLLEGE HEALTH SCIENCES CENTER
ZCB-Design v1
Kelowna, British Columbia

76 %

of buildings certified under
ZCB-Design are **fully electric**.

12 UNIQUE BUILDING TYPES CERTIFIED,

from **community centres** and **schools**
to **warehouses**, **offices** and **residential**
buildings.

12,334 MWh

of **anticipated annual onsite green power**
generation, which is enough to power 436
homes in Canada.

CLIMATE CHAMPIONS

These are the Zero Carbon Building – Performance projects certified in 2023. By pursuing and maintaining zero-carbon operations, these projects eliminated net carbon emissions in 2023. They offer a positive example for the building sector as the 2050 target for decarbonization approaches.

ALBERTA

Parkside A
2022-2023
Remington Development Corporation | Calgary

Quarry Crossing Building B
2022-2023
Remington Development Corporation | Calgary

Quarry Park West
2022-2023
Remington Development Corporation | Calgary

BRITISH COLUMBIA

1090 Homer Street
2022-2023
GWL Realty Advisors Inc. | Vancouver

1177 West Hastings St.
2021-2022
Golden Properties Ltd. | Vancouver

455 Abbott
2021-2022
Forum Asset Management | Vancouver

609 Granville
2022-2023
Cadillac Fairview | Vancouver

700 West Georgia
2022-2023
Cadillac Fairview | Vancouver

700 West Pender
2022-2023
Cadillac Fairview | Vancouver

701 West Georgia
2022-2023
Cadillac Fairview | Vancouver

725 Granville
2022-2023
Cadillac Fairview | Vancouver

750 West Pender
2022-2023
Cadillac Fairview | Vancouver

777 Dunsmuir
2022-2023
Cadillac Fairview | Vancouver

885 West Georgia
2022-2023
Cadillac Fairview | Vancouver

980 Howe
2021-2022
The Manufacturers Life Insurance Company | Vancouver

Arthur Erickson Place
2022-2023
KingSett Capital | Vancouver

Granville Square
2022-2023
Cadillac Fairview | Vancouver

PwC Place
2022-2023
Cadillac Fairview | Vancouver

Renfrew Business Centre
2022-2023
Epic Investment Services | Vancouver

Royal Centre
2022-2023
Royal Centre (KREC) Inc. | Vancouver

Waterfront Centre
2022-2023
Cadillac Fairview | Vancouver

ONTARIO

100 Yonge Street
2021-2022
KingSett Capital | Toronto

240 Markland Drive
2022-2023
Carterra Management Inc. | Etobicoke

2655 Bristol Circle
2021-2022
Fiera Real Estate | Oakville

3500 Steeles Ave. East
2021-2022
Fiera Real Estate | Markham

395 Southgate Drive
2022
Alectra Utilities | Guelph

4087 Harvester
2021-2022
Fiera Real Estate | Burlington

450 March Road
2021-2022
Fiera Real Estate | Kanata

483 Bay Street
2022-2023
Northam Realty Advisors | Toronto

531 Wellington St. N.
2022-2023
AET Group Inc. | Kitchener

87 Mann (The Spire)
2021-2022
Forum Asset Management | Ottawa

Amped Sports Lab
2022
Modern Niagara Group | Gloucester

Constitution Square
2021-2022
Canderel Management Inc. | Ottawa

Joyce Centre for Partnership & Innovation
2021-2022
Mohawk College | Hamilton

Quad 1 - C1
2021-2022
Forum Asset Management | North York

Quad 1 - C2
2021-2022
Forum Asset Management | North York

The Fairmont Royal York Hotel
2022-2023
KingSett Capital | Toronto

QUÉBEC

2011 Joly
2021-2022
Forum Asset Management | Montréal

Collège Sainte-Anne
2021-2022
La Corporation du Collège Sainte-Anne | Dorval

Complexe Canal Lachine
2021-2022
Gestion immobilière Quo Vadis | Montréal

Complexe Dompark
2021-2022
Gestion immobilière Quo Vadis | Montréal

Édifice Jacques-Parizeau
2021-2022
Société-Immobilière-Camont-Inc | Montréal

Le Faro Montréal
2021-2022
BentallGreenOak | Montréal

Le Phénix
2021-2022
Lemay | Montréal

Lemay - Quebec
2021-2022
Lemay | Québec

Maison Manuvie
2022-2023
Jones Lang LaSalle Real Estate Services | Montréal

OrthoCanada Siège Social
2022
OrthoCanada | Gatineau

NOVA SCOTIA

355 Wilkinson
2022
East Port Properties Limited | Dartmouth

495 Wilkinson
2022
East Port Properties Limited | Dartmouth

THANK YOU

A sincere thank you to everyone who contributed to CAGBC's success in 2023, including our Sponsors, Staff, Members, [Board of Directors](#), [Zero Carbon](#) and [LEED](#) Steering Committees, [Technical Advisory Groups](#), and Volunteers.

2023 CATALYST MEMBERS AND NATIONAL SPONSORS



BECOME A MEMBER

To become a member, visit cagbc.org/membership.

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