

CAGBC

**20
22**

**ANNUAL
REVIEW**

TRUE NORTH SQUARE
LEED Gold
Winnipeg, Manitoba



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LAND ACKNOWLEDGEMENTS

CAGBC recognizes that we are located, and conduct our work, on the traditional lands of many First Nations, Métis, and Inuit peoples.

OTTAWA

Our office in Ottawa is on the traditional unceded territory of the Anishinaabe Algonquin people.

TORONTO

Our Toronto office is located on the traditional territory of many nations, including the Mississaugas of the Credit, the Anishnabeg, the Chippewa, the Haudenosaunee, and the Wendat peoples.

VANCOUVER

Our Vancouver office is on the traditional unceded territories of the Musqueam, Squamish, and Tsleil-Waututh Nations.

Many of our employees also work and live in other regions, and we acknowledge that our relationships extend across Canada.



APPLIED SCIENCE HUB - CONCORDIA UNIVERSITY
LEED Gold
Montreal, Quebec

CAGBC ANNUAL REVIEW
2022

AN INTRODUCTION FROM OUR PRESIDENT & CEO



**WE MOVE INTO 2023
WELL-PREPARED
FOR THE CHALLENGES
AHEAD: ACCELERATING
CARBON REDUCTIONS
[...] IN LINE WITH 2030
CLIMATE TARGETS TO
ACHIEVE COMPLETE
DECARBONIZATION
BY 2050.**

It is my distinct pleasure to share Canada Green Building Council's 2022 Annual Review, a brief snapshot of our achievements in a very significant year – CAGBC's 20-year anniversary.

The founding of CAGBC was a pivotal moment for green building in Canada, uniting experts from across disciplines in a common mission. We celebrated this milestone by sharing stories of those early days throughout the year, including conversations with Vivian Manasc, Alex Zimmerman, Joanne Perdue, Joe Van Belleghem, Jon Hobs, Kevin Hydes, and Peter Busby. Although hopes were high in 2002, none of the founders imagined the success CAGBC would achieve with over 5,600 green buildings now certified across Canada, thousands of LEED-accredited professionals, and active stakeholder engagement happening regularly across the industry.

CAGBC's momentum is fueled by a desire to support our members and stakeholders – the people and businesses involved in designing, constructing, and operating buildings. Together we demonstrate that green buildings are good business because they unlock value, increase asset resiliency, and help organizations achieve their sustainability and ESG goals.

Supporting the sector's shift to green building involves advocating for the necessary programs and services at all levels of government. In 2022 we achieved a breakthrough in our efforts by hosting a series of meetings and a reception on Parliament Hill. All major political parties attended the reception in a show of non-partisan support. Working with our advisory groups, we also provided input on the budget and critical policies, such as the Green Buildings Strategy and the building code updates.

There were also significant changes at the Council over the course of 2022. We launched a fresh new brand and website to serve our members better. Certification of LEED v4 and other products, such as IREE, came back under the CAGBC banner to streamline the process for project teams. And finally, we are sunsetting LEED Canada – the rating system that has dominated Canada's green building movement since 2009.

A significant bright point in the year was the uptick in the use of our Zero Carbon Building standards which were the first globally when they launched in 2017. Through the ZCB program, we continue to support our members and their needs as they face

growing demand for and interest in business solutions to climate change.

Another success was the publication of the seminal report Decarbonizing Canada's Building, a stepping-stone in developing the business case for large building retrofits in Canada. The adoption of IREE certification by the Canada Infrastructure Bank as part of their retrofit financing initiatives was another crucial element in moving the industry toward decarbonizing retrofit projects.

We move into 2023 well-prepared for the challenges ahead: Accelerating carbon reductions for large existing and new buildings in line with 2030 climate targets to achieve complete decarbonization by 2050 is coming into focus. Our new strategic plan and new Board are ready for this massive challenge, and we call on our members and stakeholders to support our work in any way they can.

I hope this look back at 2022 will give you a good sense of all we accomplished and the work ahead. ➤

THOMAS MUELLER
PRESIDENT & CEO
CANADA GREEN BUILDING COUNCIL

VANCOUVER CONVENTION CENTRE - WEST
LEED Platinum
Vancouver, British Columbia

BETTER BUILDINGS
ARE POSSIBLE. ↗

2022 HIGHLIGHTS

This year marked the end of our 2020-2023 Strategic plan, which focused on three core directions for the Council. Achievements for 2022 are organized under each of these directions.

Equip the building sector to become a leader in Canada's low-carbon future:

- With the release of [Decarbonizing Canada's Large Buildings](#) technical study and labs report, created an actionable roadmap for large buildings to eliminate carbon emissions.
- In partnership with the University of Toronto, and with funding from the Government of Canada, launched [Burying Carbon in Buildings](#), an industry-driven project researching carbon capture and utilization using concrete.
- Along with the Delphi Group, released the [Green Retrofit Economy study](#) to identify how Canada can scale up retrofits for large buildings.
- Concluded the largest public disclosure of whole-building data with the [Full Disclosure: Real Estate's Climate Leadership in Action](#) report.
- Partnered with Colleges and Institutes Canada to release their [report on college and institute leadership in climate action](#).
- Released a [primer on embodied carbon](#) to help the building sector seize opportunities for timely and sustainable carbon reductions.

Be a catalyst for accelerating building innovation, market uptake, and industry capacity:

- Over 4,000 projects will have certified over the life of LEED Canada, which sunset in October of 2022.
- Canada remains a [top three LEED territory](#), signifying the country's focus on sustainable green building.
- Project registrations for the [Zero Carbon Building standards doubled in six months](#), demonstrating support for this home-grown framework for carbon reductions.
- Awarded the [first Investor Ready Energy Efficiency certifications](#) for projects receiving financing under the Canada Infrastructure Bank's market-transforming Building Retrofits Initiative.
- Held the first-ever Green Building Week on the Parliament Hill meetings with representatives from all major parties, industry roundtables with Minister François-Philippe Champagne and Parliamentary Secretary Julie Dabrusin and a parliamentary reception.
- Continued our successful Rapid Upskilling for Green Building initiative, funded through Futures Skills Centre.
- Released [Zero Carbon Building – Design Standard v3](#), with the goal of phasing out combustion while giving projects the freedom to invest project dollars to achieve the greatest impact at the lowest cost.

Ensure CAGBC's long-term effectiveness and viability to support market transformation:

- CAGBC began to [provide oversight of LEED](#), Investor Ready Energy Efficiency, TRUE and SITES in Canada again.
- Launched a [new brand that reflects a more modern and active Council](#); our new website adds much-needed functionality to make it easier to access the information members need when they need it.
- Building on the success of our new delivery model, launched more Accelerators designed to tackle the barriers to adopting green and low-carbon buildings – including moving into the second year of our Sustainable Materials Accelerator.
- Advanced our Learning Services offering customized zero-carbon training for key members.
- Returned to in-person events with Building Lasting Change in Toronto, Accelerating to Zero events and the Innovation Series.

PARTNERSHIPS

As the Council representing Canada's green building and real estate sectors, CAGBC has proven itself as a valued partner to key stakeholders. By collaborating with like-minded organizations and supporting policies and programs that advance sustainability, CAGBC helps accelerate green building in Canada, and around the world.



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





BUILDING OUR
WAY FORWARD,
TOGETHER. ↗

THE STACK
Zero Carbon Building – Design
Vancouver, British Columbia

2022 BY THE NUMBERS

875 **13,150**

Corporate Members

Individual Members

16,100

Hours of Learning Delivered

DECARBONIZING CANADIAN BUILDINGS

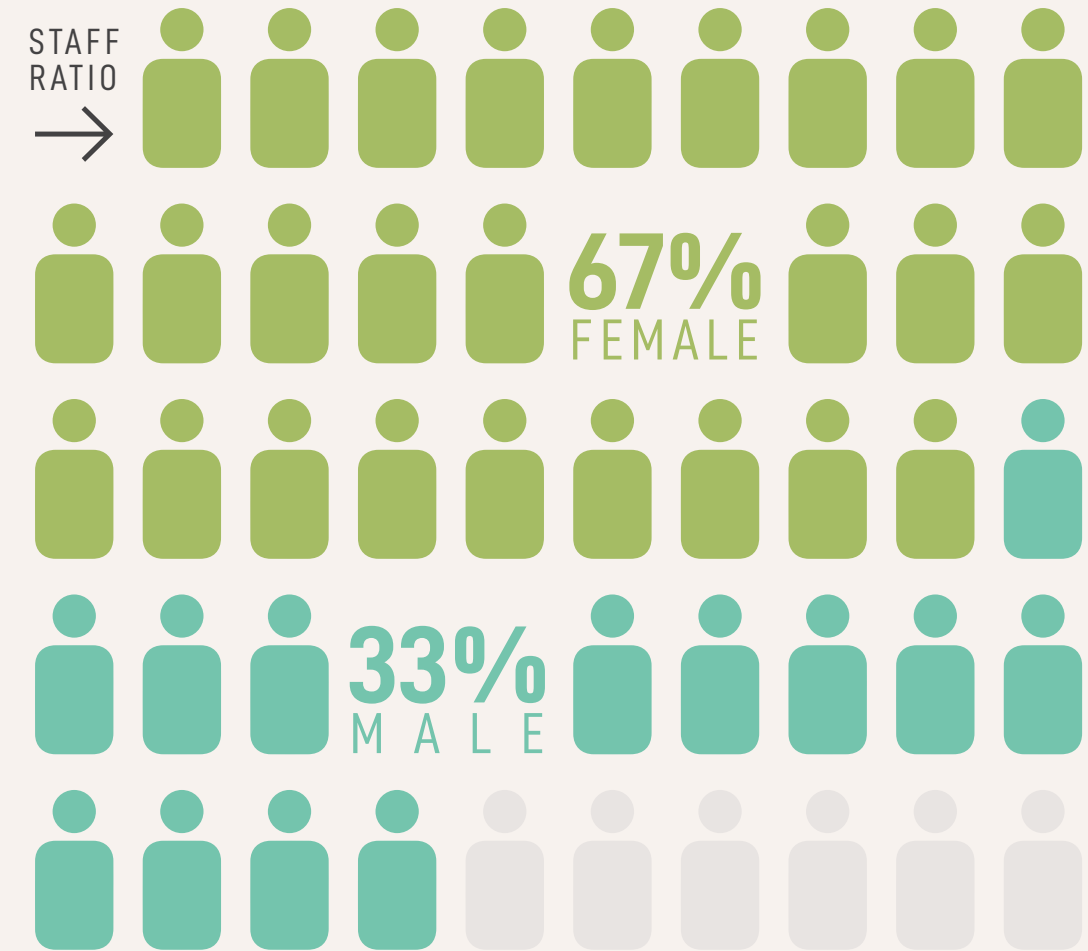
CAGBC is helping project teams advance toward Canada's 2050 decarbonization with projects that remove combustible fuels and are fully electrified:



3 IN **4** ZCB-Design certified buildings

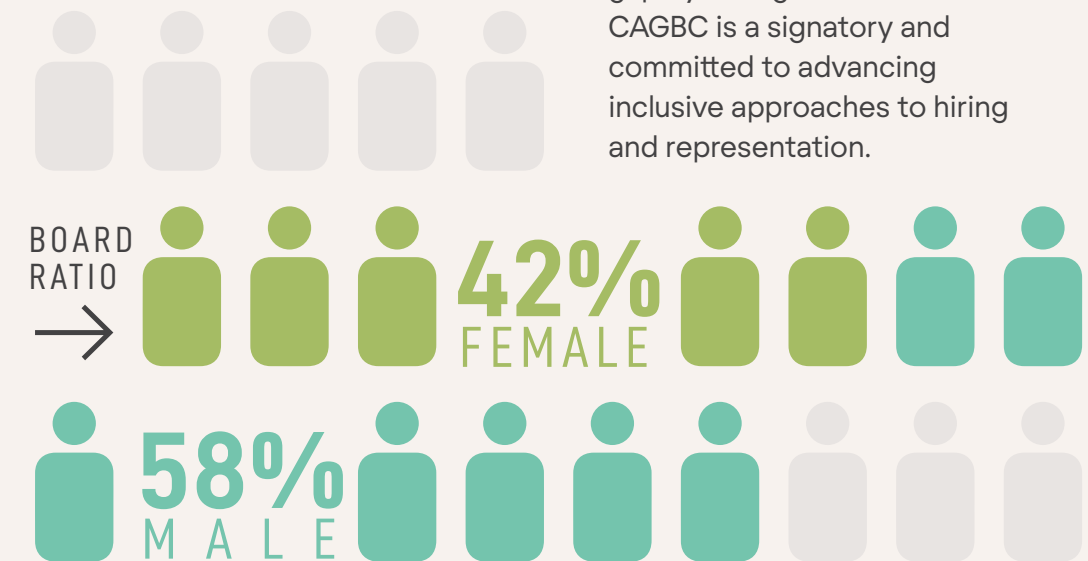


1 IN **7** LEED v4 BD+C certifications



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

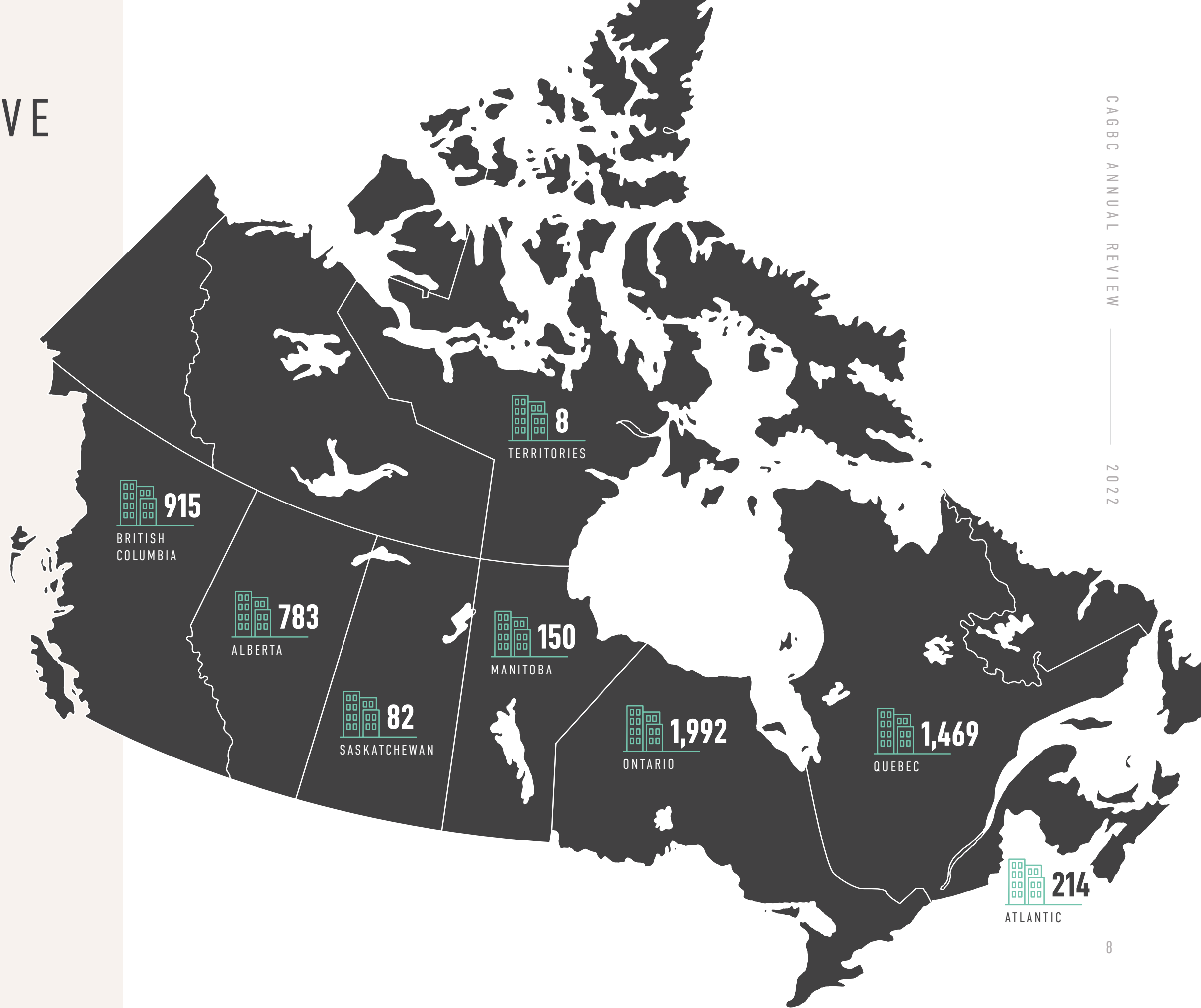
26 ZCB-Performance buildings that do not contribute to climate change

23 ZCB-Design buildings that enable zero carbon performance

5,538
LEED Certified projects

1.63 LEED Certified area per capita (m²)

63,972,500
LEED Certified space (m²)



LEED IMPACT IN CANADA SINCE 2005



OTTAWA ART GALLERY EXPANSION
LEED Silver
Ottawa, Ontario

Energy savings of

35.2 MILLION
eMWh

which is enough to power
1,197,000 homes in Canada for a full year.

Water savings totalling

60 BILLION
LITRES,

enough to fill 24,000
Olympic swimming pools.

A

6.8 MILLION CO₂E
TONNE

reduction in greenhouse gas emissions which
equates to taking over 1,450,000 cars off the
roads for a year.

Over

3.85 MILLION
TONNES

of construction/demolition waste diverted,
which is enough to fill the entire Rogers Centre
in Toronto 15 times.

CLIMATE CHAMPIONS

These are the 2022 Zero Carbon Building – Performance Standard buildings. By pursuing and maintaining zero-carbon performance these projects did not contribute to climate change in the performance year for which they were certified. They offer a positive example for the entire sector as the 2050 target for decarbonization approaches.

BRITISH COLUMBIA

777 Dunsmuir
2021-2022
Cadillac Fairview | Vancouver

609 Granville
2021-2022
Cadillac Fairview | Vancouver

Granville Square
2021-2022
Cadillac Fairview | Vancouver

PwC Place
2021-2022
Cadillac Fairview | Vancouver

Royal Centre
2020-2021
Royal Centre (KREC) Inc | Vancouver

Waterfront Centre
2021-2022
Cadillac Fairview | Vancouver

700 West Georgia
2021-2022
Cadillac Fairview | Vancouver

885 West Georgia
2021-2022
Cadillac Fairview | Vancouver

ALBERTA

UFA Distribution Centre
2021-2022
Fiera Real Estate | Edmonton

ONTARIO

Amped Sports Lab
2020-2021
Modern Niagara | Ottawa

Scotia Plaza's 40 King St. West
2021
KingSett Capital | Toronto

QUEBEC

Complexe Dompark
2020-2021
Gestion immobilière Quo Vadis | Montreal

Édifice Jacques-Parizeau
2020-2021
Ivanhoe Cambridge | Montreal

Lemay - Québec
2020-2021
Lemay | Quebec

Le Phénix
2020-2021
Lemay | Montreal

Maison Manuvie
2021-2022
Manulife | Montreal



LE PHÉNIX
Zero Carbon Building – Performance
Montreal, Quebec

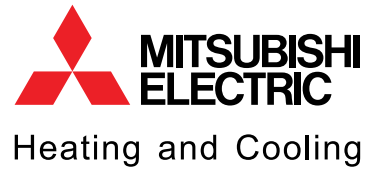
BANFF TRANSIT STORAGE FACILITY
Zero Carbon Building – Design
Banff, Alberta

BUILDING A COMMUNITY OF LEADERS. ↗

THANK YOU

A sincere thank you to everyone who contributed to CAGBC's success in 2022, including our Sponsors, Staff, Members, [Board of Directors](#), [Zero Carbon](#) and [LEED](#) Steering Committees, [Technical Advisory Groups](#), and Volunteers.

2022 NATIONAL SPONSORS



BECOME A MEMBER

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

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