



The Canadian government recognizes the necessity of a transition to a low-carbon, climate resilient economy. The government has advocated for increased accountability and transparency, investment in adaptation, and pursuit of cost-effective emissions reduction.

The Canadian property sector will need to play a significant role in this transition as commercial and residential real estate consume 47% of Canadian electricity and contribute directly to 11.9% of Canadian greenhouse gas emissions. Fortunately, real estate also offers some of the most cost-effective opportunities for emissions reduction, while also benefiting social and environmental issues, such as water conservation, waste management, and public health. Canadian companies and funds have begun to create value by offering solutions to these challenges. Their investors have recognized that this is a significant area of differentiation and risk. Consequently, investors are increasingly asking for high quality information about environment, social, and government (ESG) performance.

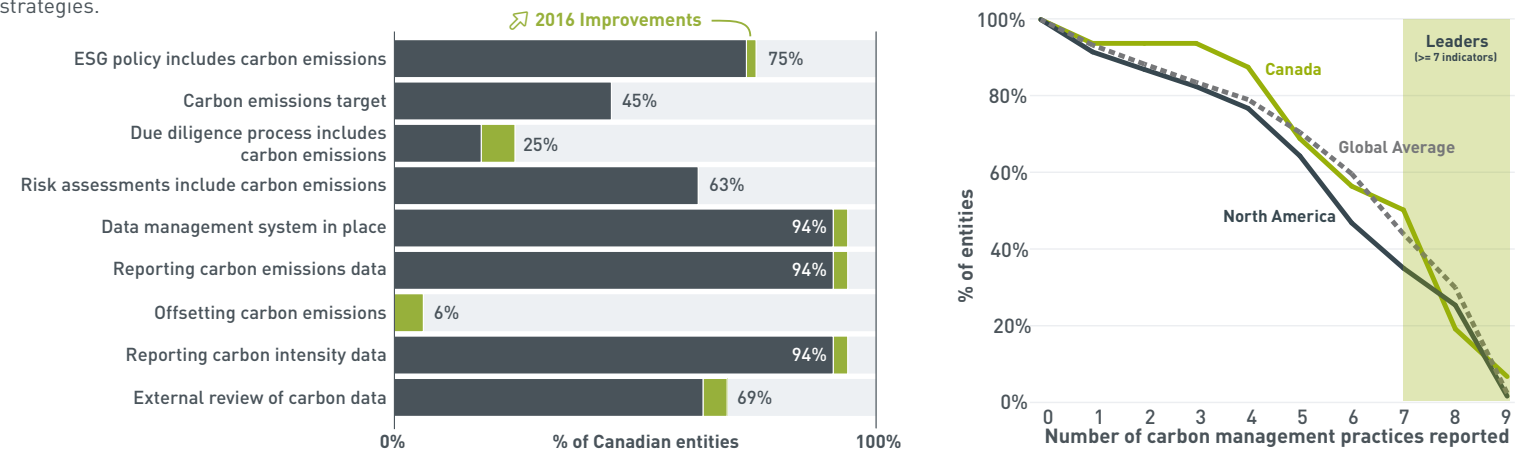
GRESB strives to meet this growing need with systematic assessment, objective scoring, and peer benchmarking. The 2016 data reflect a continued

increase in Canadian participation with 16 companies and funds providing information about ESG performance. Multi-year participants demonstrate steady year-over-year improvements in overall ESG scores. The new GRESB data show that overall performance is driven by increasing engagement from senior leaders, more formal policy commitments, new and increasingly sophisticated information systems. For example, this year's global benchmark includes asset-level operational performance data for more than 22,000 individual buildings, often flowing directly to GRESB from third-party tools.

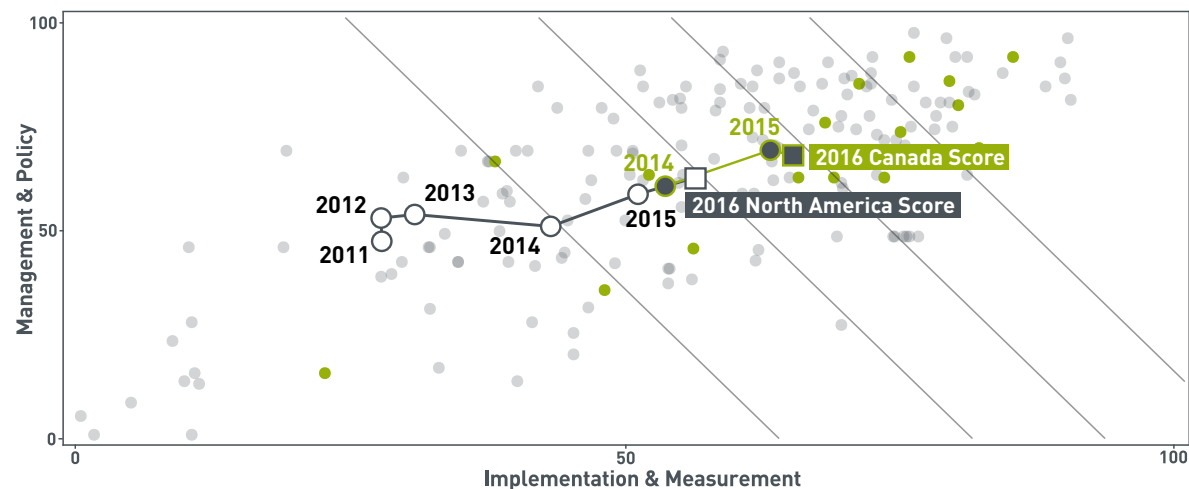
The new GRESB data show property companies and funds in a race for higher ESG performance – reducing greenhouse gas emissions, saving energy, conserving water, and providing healthier indoor environments. The leaders in this competition benefit from more efficient, more desirable properties. Their investors benefit from higher returns and lower risk. Over time, these actions contribute to Canada's national goal for a transition to a low-carbon, resilient economy as a part of the global effort to reduce emissions and adapt to climate change.

Carbon Management

GRESB indicators can be examined individually or as functional groups to understand management and performance in key areas, such as carbon, water, waste, and health. The charts below illustrate average responses to individual carbon management indicators and the cumulative achievement of the set of carbon management strategies.



GRESB Model

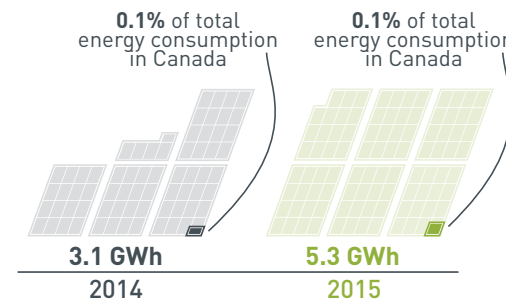


The average GRESB Score of Canadian companies and funds improved from 65.5 in 2015 to 65.7 in 2016.

Canadian portfolios continue to outperform US companies and funds.

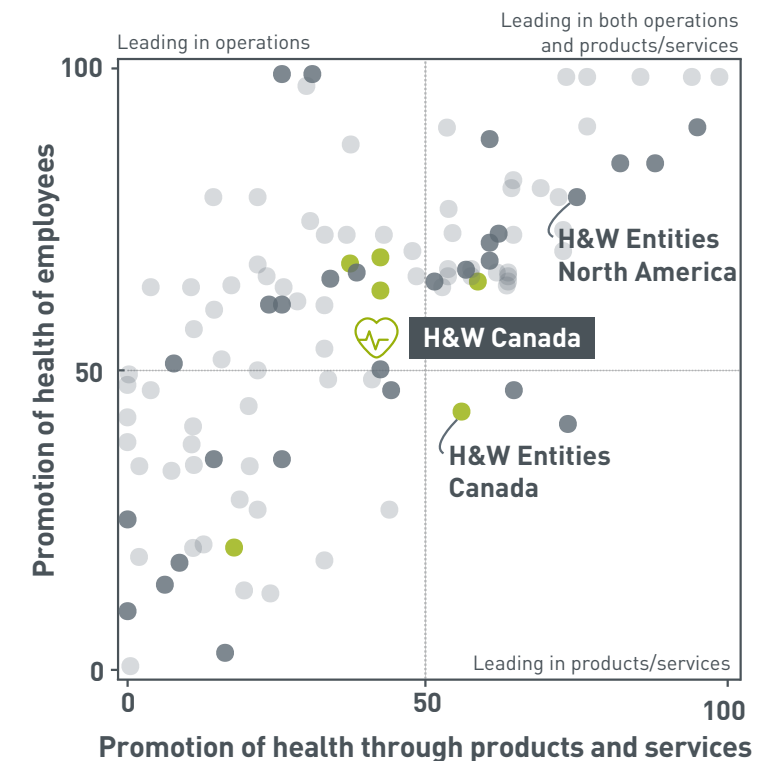
Renewable Energy (generated on-site)

The GRESB Assessment provides data on year-over-year growth in on-site renewable energy. The dark shading indicates renewable energy generated by companies and funds based in Canada. The light shading indicates renewable energy generated elsewhere in the world.



Health & Well-being

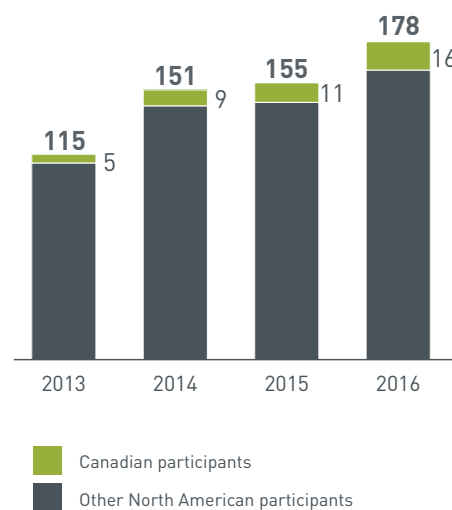
New data for North American property companies and funds show significant variation in health and well-being practices. Many companies are working to promote the health of their employees. A smaller fraction of participants complement these internal efforts with strategies to actively promote the health of customers through their products and services.



GRESB Aspects

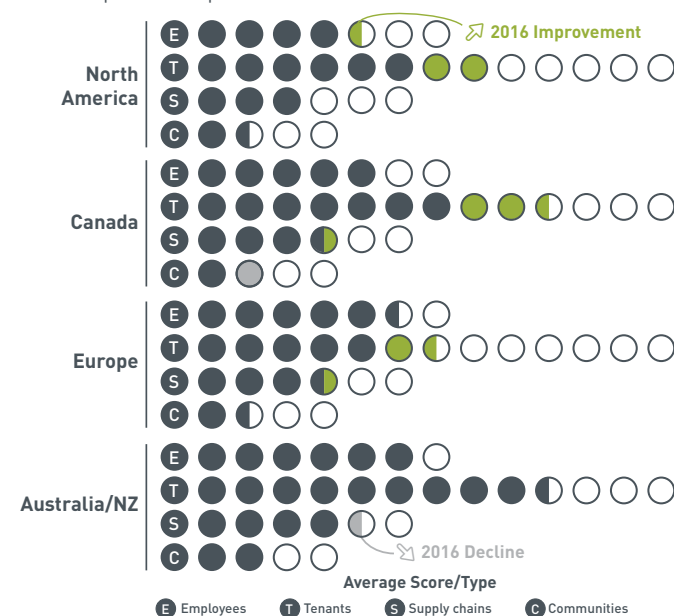


Response Rate Development



Stakeholder Engagement

GRESB includes 11 indicators addressing the engagement of property companies and funds with employees, tenants, supply chain, and community. Each circle represents a point available for these 11 indicators.



GRESB Industry Partners



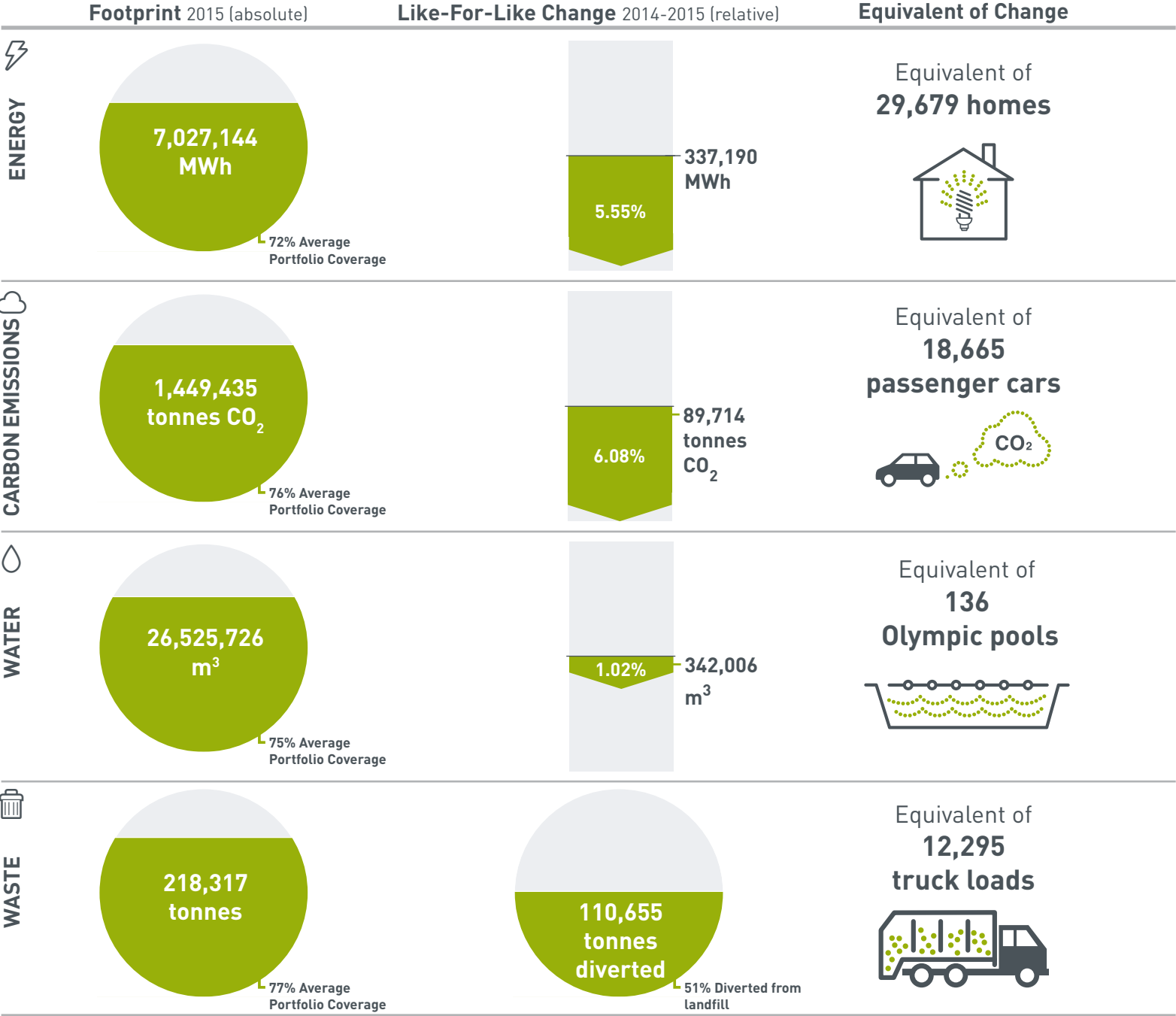
The annual GRESB Assessment process has become an important management tool for our members, and REALpac applauds the sustained progress and superior performance of Canadian companies to date.
Michael Brooks - CEO, REALpac

Sector Leaders - North America

Property type	Entity name
Retail- Listed	The Macerich Company
Retail - Private	Pine Tree
Office - Listed	Kilroy Realty Corporation
Office - Private	MetLife/Norges Bank Investment Management Joint Venture - MetLife Investment Management
Industrial	Prologis
Residential - Listed	Equity Residential
Residential - Private	Rose New Jersey Green Affordable Housing Preservation Fund - Jonathan Rose Companies
Residential - Private	Leslie York Mills (MLYM Inc.) - The Minto Group
Residential - Private	Greystar Equity Partners Fund VIII - Greystar Investment Management
Residential - Private	Invesco Real Estate
Diversified	Invesco Real Estate
Diversified - Retail/Office	Oxford Properties Group (OMERS) - Oxford Properties Group
Diversified - Residential/Office	Multi-Employer Property Trust/MEPT Edgemoor - Bentall Kennedy Group

Global Sector Leader

Performance Indicators



GRESB defines “like-for-like” as the fraction of a portfolio continuously owned by an entity for at least 24 months. Like-for-like measurements represent a relatively stable sub-set of a portfolio, and they may better reflect management action to improve performance. GRESB like-for-like metrics do not directly account for variation in weather, occupancy, and other factors.

2016 GRESB Participants - North America

Listed

Private

Alexandria Real Estate Equities, Inc.

Abacus Capital Group LLC

AvalonBay Communities, Inc.

AEW Capital Management

AvalonBay Fund II Communities

Alberta Investment Management Corporation

Boston Properties

American Realty Advisors

Brandywine Realty Trust

Avison Young

Brookfield Property Partners

Bentall Kennedy Group

Camden Property Trust

BlackRock

Corporate Office Properties Trust

Cadillac Fairview

Cousins Properties Incorporated

Carr Properties

DiamondRock Hospitality Company

CBRE Global Investors

Equity One

CIM Group

Equity Residential

Clarion Partners

Essex Property Trust

Colony Capital, Inc.

Federal Realty Investment Trust

CommonWealth Partners

First Industrial Realty Trust, Inc.

Cornerstone Real Estate Advisers

Forest City Realty Trust, Inc.

Franklin Street Properties

General Growth Properties

Government Properties Income Trust

H&R Real Estate Investment Trust

HCP, Inc.

Hersha Hospitality Trust

Host Hotels & Resorts, Inc.

Kilroy Realty Corporation

Kimco Realty Corporation

Laramar Multi-Family Value Fund

LaSalle Hotel Properties

Liberty Property Trust

Monogram Residential Trust, Inc.

Paramount Group, Inc.

Parkway Properties, Inc.

Post Properties, Inc.

Prologis

Public Storage

Regency Centers Corporation

Simon Property Group, Inc.

Taubman

The Macerich Company

TIER REIT

U.S. General Services Administration

Ventas, Inc.

Vornado Realty Trust

Washington Real Estate Investment Trust

Weingarten Realty

Welltower, Inc.

Crocker Partners LLC

DDR

Deutsche Asset Management

DivcoWest

Exeter Property Group

Fairfield Residential Company LLC

Federal Capital Partners

GenCap Partners

Gerding Edlen Investment Management

GI Partners

Greystar Investment Management

Greystone Managed Investments Inc.

GWL Realty Advisors

Harrison Street Real Estate Management, LLC

Healthcare of Ontario Pension Plan

Heitman

Hermes Real Estate

Inland Real Estate Investment Corporation

INP Retail, LP

Invesco Real Estate

Ivanhoe Cambridge

J.P. Morgan Asset Management

Jamestown Properties

Jonathan Rose Companies

KingSett Capital

LaSalle Investment Management

MacFarlane Partners Investment Management

Madison Marquette

Manulife Real Estate John Hancock Real Estate

MetLife Investment Management

Morgan Stanley

National Real Estate Advisors LLC

NBIM

Normandy Real Estate Partners

Oxford Properties Group

Parmenter Realty Partners

PGIM Real Estate

Pine Tree

Principal Real Estate Investors

Prologis

Rockefeller Group Investment Management Corp.

RXR Realty

Savanna

Scott Brown

SDA

Sentinel

Shorenstein Properties, LLC

Stockbridge Capital Group

TA Realty LLC

The Blackstone Group

The Minto Group

TIAA

TIAA-CREF

TIM

Time Equities, Inc

Tishman Speyer

Trinity Real Estate

Triovest Realty Advisors Inc.

UBS Global Asset Management

USAA Real Estate Company

5-year participant Health & Well-being Module completed Canadian participant

GRESB Global Partners



Premier Partners - North America



Partners - North America



\$7.6 trillion
Institutional capital represented by GRESB's 58 Investor Members

About GRESB
GRESB is an industry-driven organization committed to assessing the environmental, social, and governance (ESG) performance of real assets globally, including real estate portfolios (public, private and direct), real estate debt portfolios, and infrastructure. More than 200 members, including 58 pension funds and their fiduciaries, use GRESB data in their investment management and engagement process, with a clear goal to optimize the risk/return profile of their investments. For more information, visit www.gresb.com.