



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.

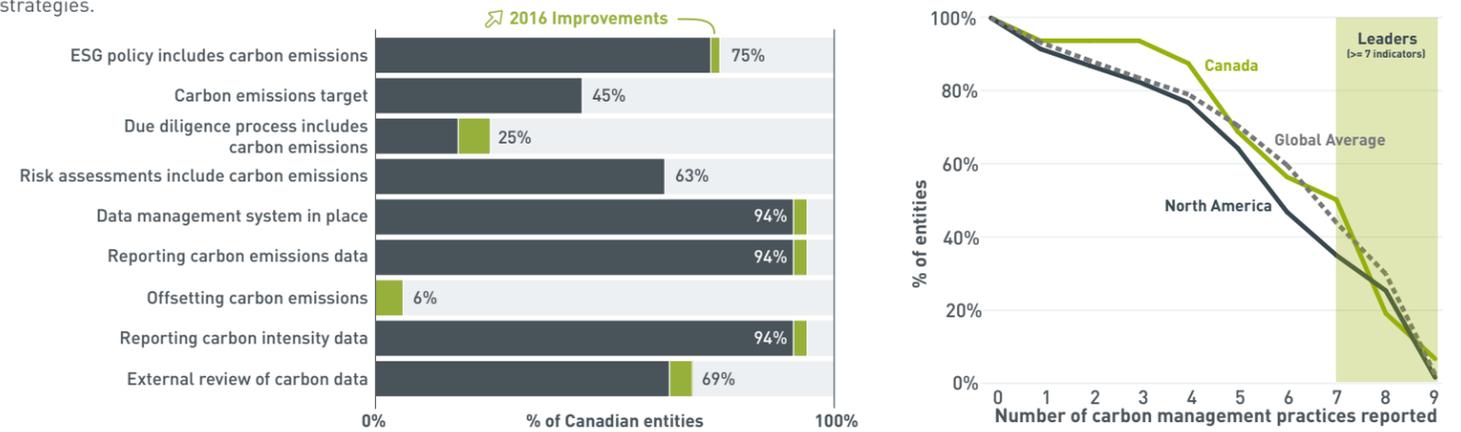
GRESB strives to meet this growing need with systematic assessment, objective scoring, and peer benchmarking. The 2016 data reflect a continued

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.

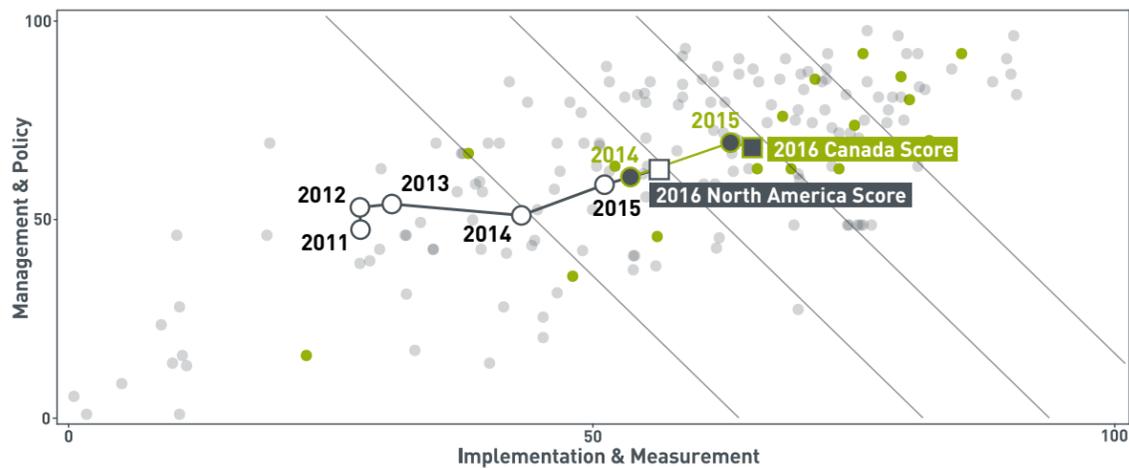
The new GRESB data show property companies and funds in a race for higher ESG performance – reducing greenhouse gas emissions, saving energy, conserving water, and providing healthier indoor environments. The leaders in this competition benefit from more efficient, more desirable properties. Their investors 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

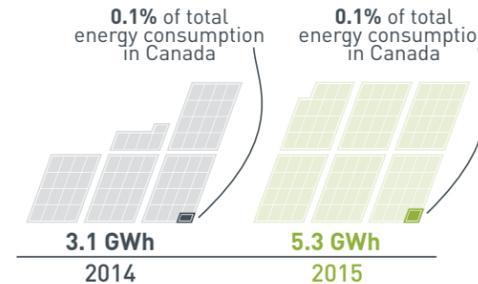


The average GRESB Score of Canadian companies and funds improved from 65.5 in 2015 to 65.7 in 2016.

Canadian portfolios continue to outperform US companies and funds.

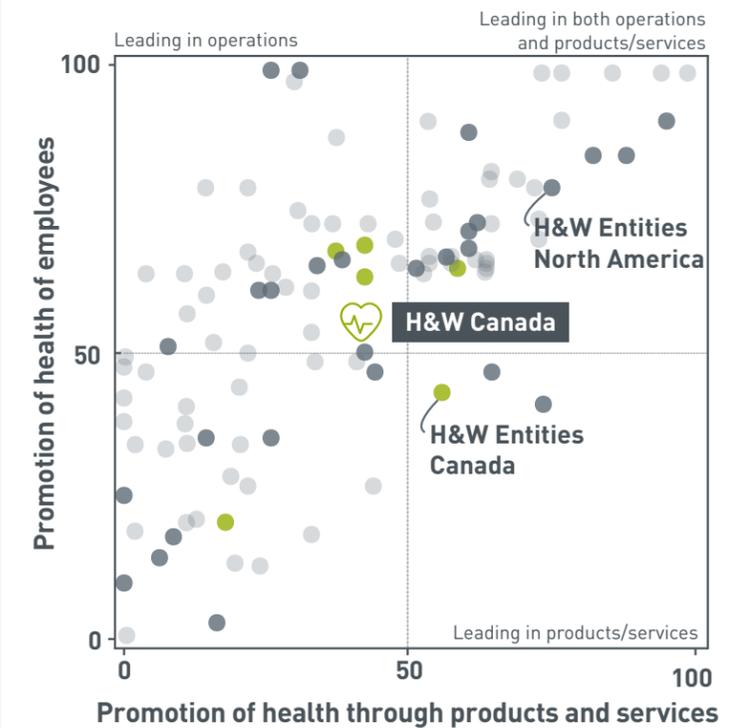
Renewable Energy (generated on-site)

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

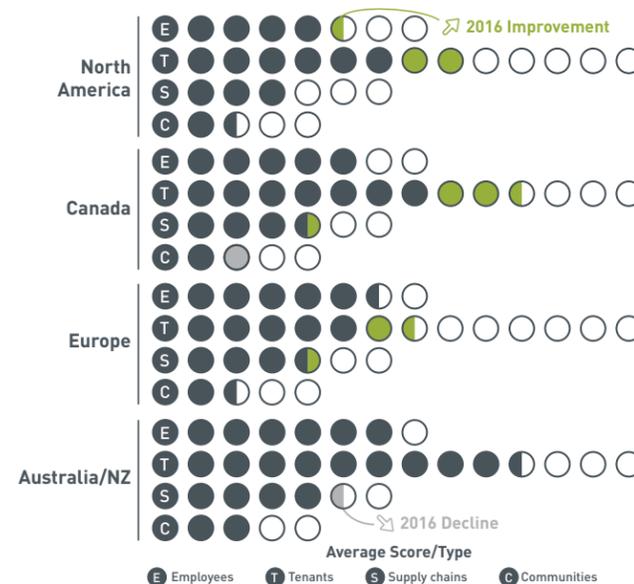


Response Rate Development



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

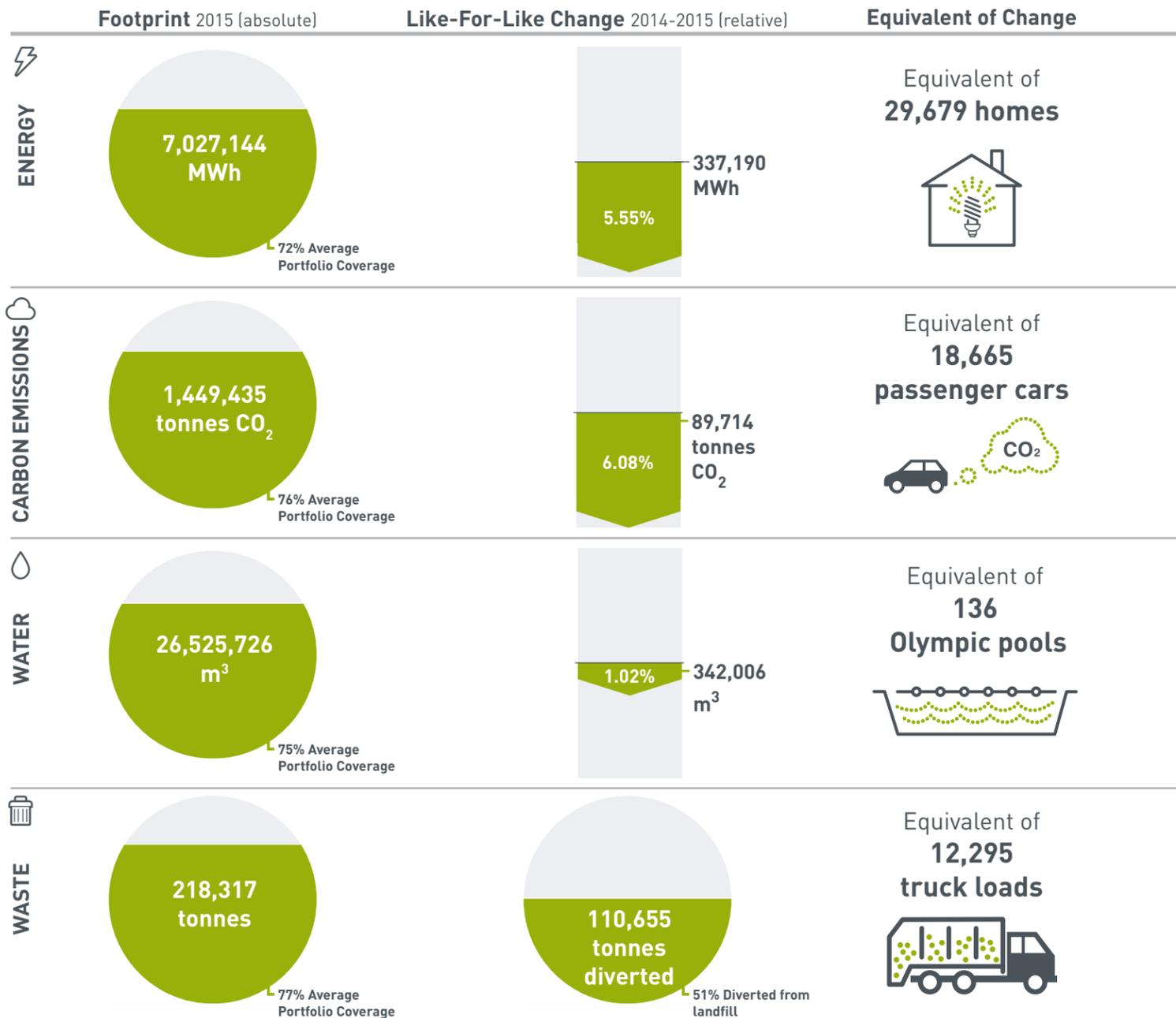
The annual GRESB Assessment process has become an important management tool for our members, and REALpac applauds the sustained progress and superior performance of Canadian companies to date.
Michael Brooks - CEO, REALpac

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

Alexandria Real Estate Equities, Inc.
AvalonBay Communities, Inc.
AvalonBay Fund II Communities
Boston Properties
Brandywine Realty Trust
Brookfield Property Partners
Camden Property Trust
Corporate Office Properties Trust
Cousins Properties Incorporated
DiamondRock Hospitality Company
Equity One
Equity Residential
Essex Property Trust
Federal Realty Investment Trust
First Industrial Realty Trust, Inc.
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.

Private

Abacus Capital Group LLC
AEW Capital Management
Alberta Investment Management Corporation
American Realty Advisors
Avison Young
Bentall Kennedy Group
BlackRock
Cadillac Fairview
Carr Properties
CBRE Global Investors
CIM Group
Clarion Partners
Colony Capital, Inc.
CommonWealth Partners
Cornerstone Real Estate Advisers
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.