The GRESB Snapshots have been developed to provide an informed and factual overview of the 2017 GRESB Real Estate Assessment results for each region. The Assessment provides a consistent, global framework for investors to engage with managers on their environmental, social and governance (ESG) performance, and each year produces the largest dataset of industry-specific ESG information for the real estate sector.

The five-year regional trend reveals strong ESG improvements as reflected by the GRESB score average of 64, up from 47 in 2013. The 2017 GRESB Results showcase a significant drive by participants with more than 5 years of benchmarking experience to increase data availability - over 90% report having data management systems in place to monitor energy and water consumption. Connections between buildings and sustainability are sources of both value and risk. Institutional investors increasingly seek high quality information about the ESG performance of their real estate investment portfolios worldwide.

Leading North American property companies and private equity fund managers are rewarded through efficient operations, greater operating incomes, and more desirable properties. Institutional investors receive superior risk-adjusted investment returns and improved investment portfolios. Importantly, improved ESG performance brings significant societal benefits by contributing to national and global goals for emissions reduction and environmental protection.

Institutional investors have been at the forefront of efforts to make sustainability a key component of industry-wide performance measurement and decision-making. As a GRESB partner, PREA applauds these efforts and recognizes the growing momentum behind ESG analysis and implementation.

Gail Haynes, President, PREA

The focus on ESG is becoming more prominent in strategic business and investment decisions throughout the real estate industry. REITs as listed real estate companies are implementing sustainability best practices, and growing numbers of companies are expanding reporting on ESG issues. NAREIT supports GRESB in its global mission of benchmarking portfolio-wide ESG performance. Effectively measuring ESG performance helps identify opportunities to reduce environmental impact, manage operational expenses and assess climate-related risk. In doing so, REITs as real estate companies may better protect the long-term value of their real estate investments.

Steve Wechsler, President & CEO, NAREIT
**SECTOR LEADERS - NORTH AMERICA**

**PROPERTY TYPE**
- Office/Industrial
- Residential
- Diversified
- Listed - Office
- Private - Office
- Office/Residential
- Private - Retail
- Industrial
- Listed - Retail
- Office/Retail

**ENTITY NAME**
- GWL Realty Advisors
- Institutional Core Multifamily Investors - Invesco Real Estate
- Invesco Real Estate (US) - Invesco Real Estate
- Kilroy Realty Corporation
- Lionstone Hermes Real Estate Ventures
- Multi-Employer Property Trust/MEPT Edgemoor - Bentall Kennedy Group
- PGIM Real Estate
- Prologis
- The Macerich Company
- Vornado Realty Trust

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**ENERGY PERFORMANCE**

- **Average energy data coverage by property type**
  - North America: 57.3%
  - US: 29.9%
  - Canada: 92%
  - Global Sector Leader: 168%

- **Average energy intensities by property type (KWh/m²)**
  - Industrial: 33%
  - Retail: 201
  - Residential: 168
  - Hotel: 310
  - Office: 104

- **Like-for-like change and equivalent**
  - **Energy**
    - -2.5% (-1,191,185 MWh)
    - -1.1% (-108,290 homes)
  - **Carbon**
    - -2.9% (-411,946 tonnes CO₂)
    - -2.2% (-85,826 passenger cars)
  - **Water**
    - -1.3% (4,769,399 m³)
    - -0.5% (-1,908 Olympic pools)
  - **Waste diverted from landfill**
    - 37.6% (1,012,685 tonnes)
    - 52.9% (112,521 truck loads)

**GRESB GLOBAL PARTNERS**

**PREMIER PARTNERS - NORTH AMERICA**

**PARTNERS - NORTH AMERICA**

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- **Stakeholder Engagement**
  - Real Estate, Real Estate Developer
  
  - Employees: 33%
  - Tenants: 92%
  - Supply Chain: 48.7%
  - Community: 97.4%

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- **Community**
  - 29.9% 92% 48.7% 97.4% 55.4%

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