

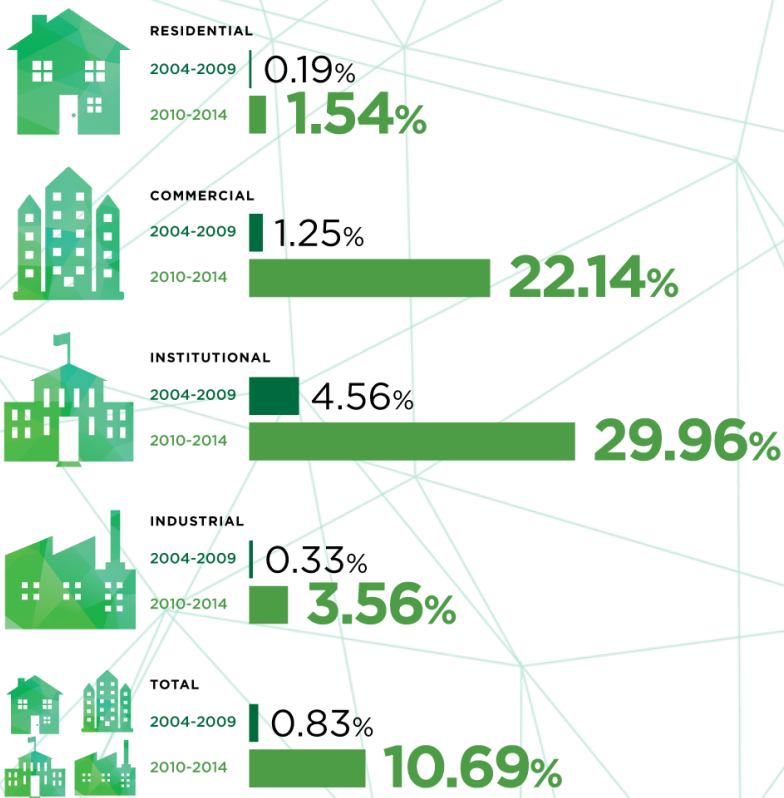
Green Building Breakfast: Leadership in Benchmarking & Disclosure

February 6th 2019
Lennox Hall, Toronto Region Board of Trade



About CaGBC

GROWTH OF LEED® MARKET PENETRATION BY SECTOR



The Canada Green Building Council (CaGBC) is Canada's national industry association for green buildings and cities.

We have over 2500 corporate members across Canada and have certified over 3000 buildings representing +1 billion sqft of real estate.

*We lead market transformation through **tools and rating systems, industry training, research and advocacy***



Canada Green Building Council
Every Building Greener

Performance Management



- LEED
- WELL
- PEER
- GRESB
- SITES
- EDGE
- PARKSMART
- ZERO WASTE
- ICP

Benchmarking & Disclosure

Comparison

- Vs Peer Group
- Vs Design
- Vs Past Performance

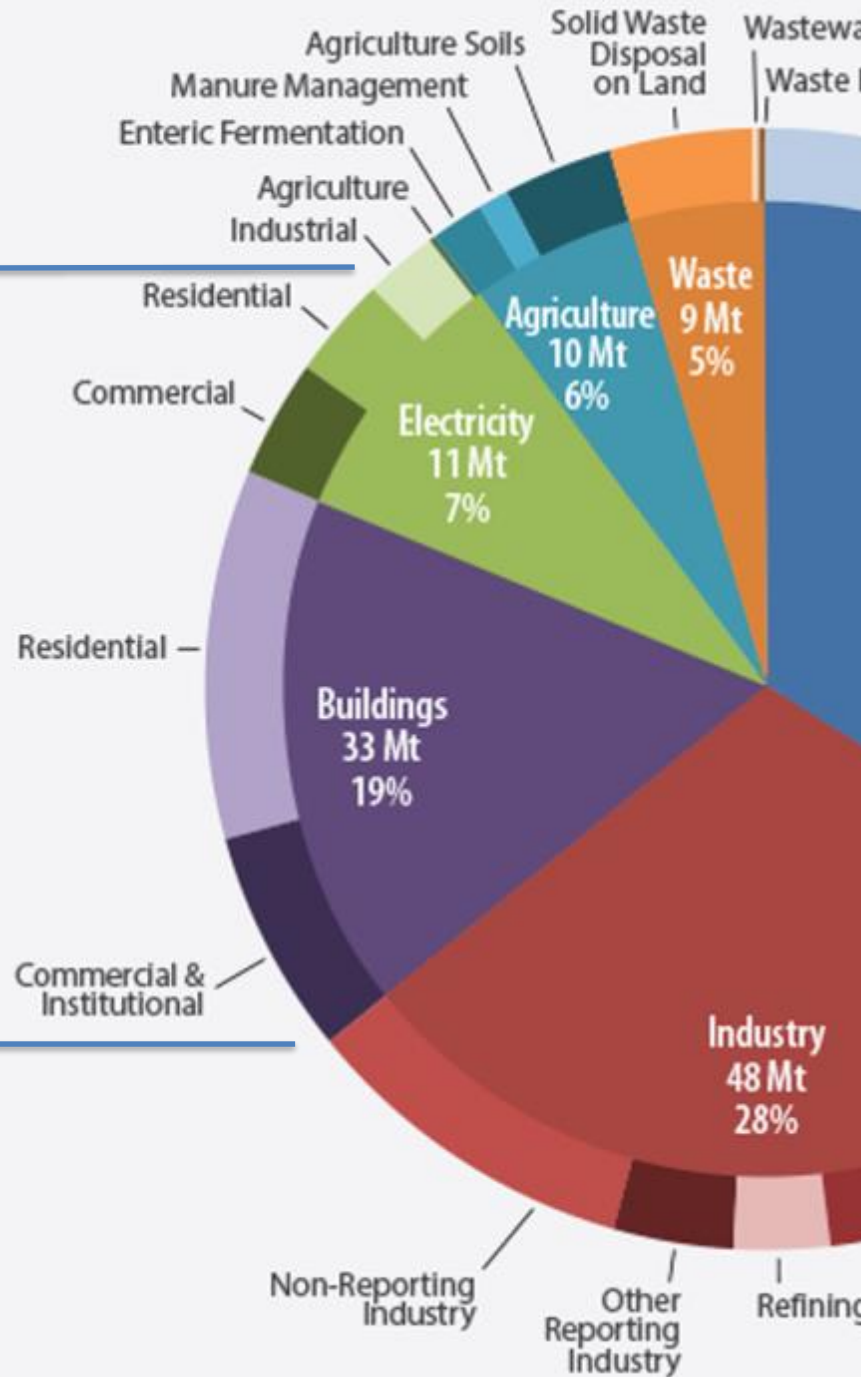
Evaluation

- What is good (enough)
- Assessing Impacts
- Tracking Progress



BUILDINGS PRODUCE 24% OF ONTARIO'S GREENHOUSE GAS EMISSIONS

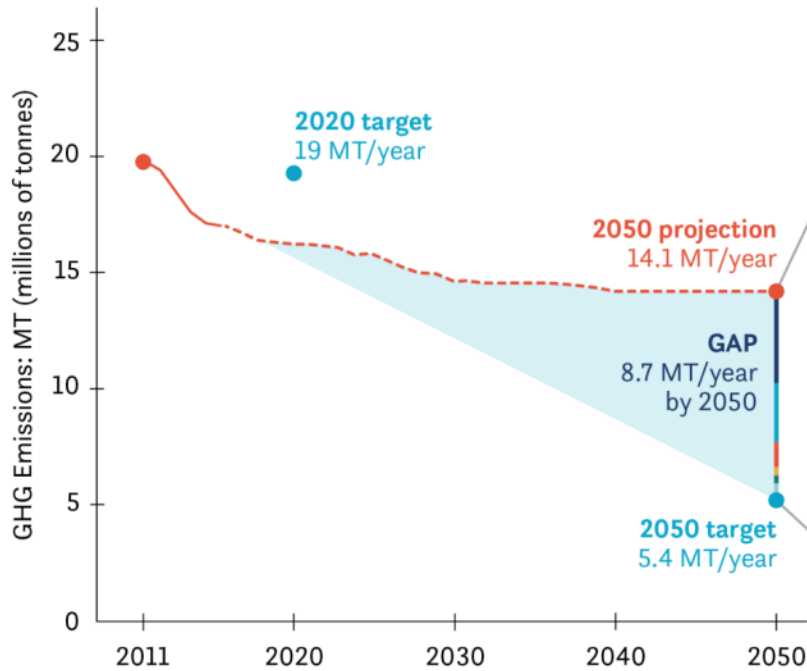
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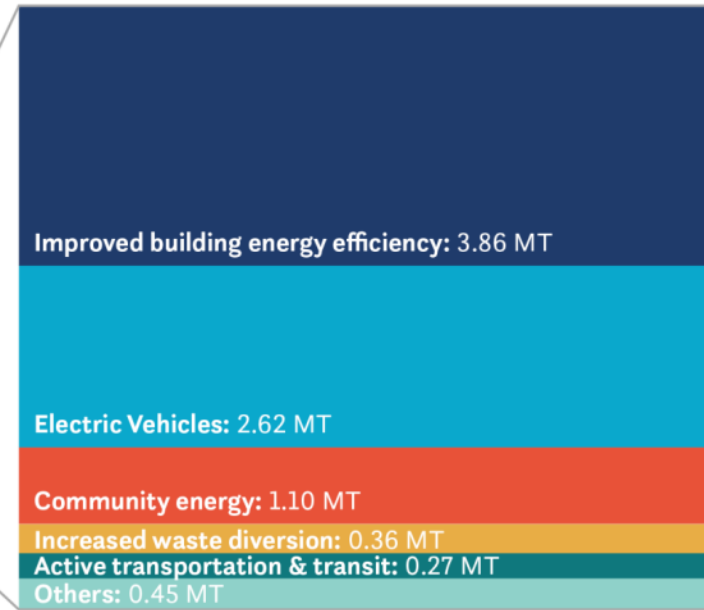
Toronto's 2050 GHG Forecast



Low-carbon actions can close the 8.7 MT gap



TransformTO Low-Carbon Scenario



50% of today's existing
building stock
will still be **in use in**
2050

Available **energy savings**
within this building stock are
estimated at
20-40%

GETTING TO ZERO CARBON

- ALL NEW BUILDINGS DESIGNED TO ZERO CARBON BY 2030
- EXISTING BUILDINGS ½ ENERGY USE & ZERO CARBON 2050



**ZERO CARBON
BUILDING STANDARD**

Canada Green Building Council



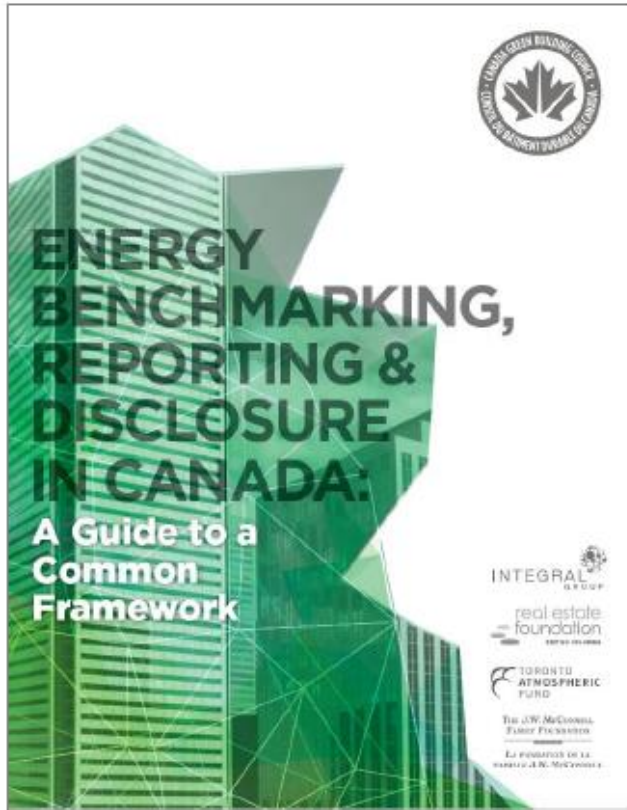
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BENCHMARKING FOR BUILDING OWNERS

- Where am I?
- Where am I going?
- What is possible?



CaGBC Disclosure Challenge



CONC=ERT™

 QuadReal™

 TRIOVEST



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Benchmarking for Cities

- Where are we?
- Who is Where?
- What is possible?
- Where do we focus?



ENERGY STAR PORTFOLIO MANAGER TRAINING FEBRUARY 27TH

**EWRB Workshop:
Using ENERGY
STAR Portfolio
Manager for
Ontario's EWRB**

February 27th
9am - 1pm
Evergreen Brick Works



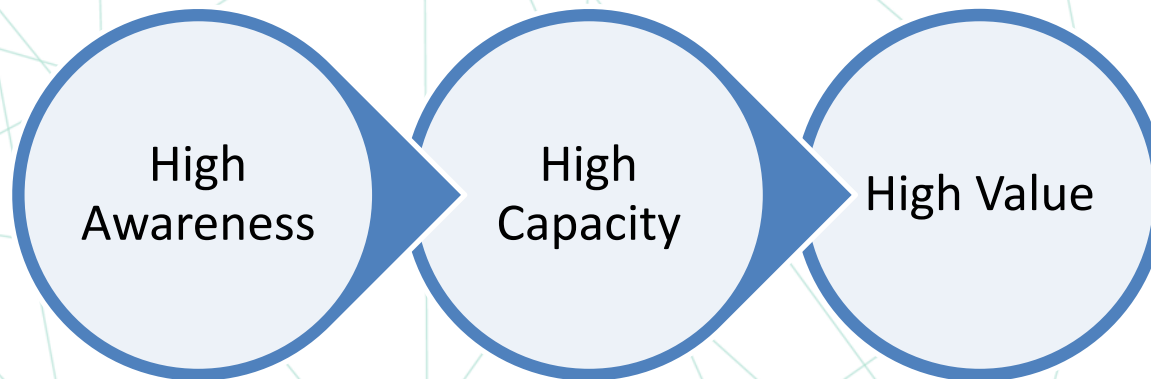
<http://www.cagbctoronto.org>



Canada Green Building Council
Every Building Greener

Supporting Regional Engagement and Capacity Building

	2018 <i>Commercial Buildings over 250,000 sqft</i>	2019 <i>Commercial and Residential Buildings over 100,000 sqft</i>	2020 <i>Commercial and Residential Buildings over 50,000 sqft</i>
Number of regulated buildings	~900	~8,100	~18,000
Number of communities with numerous regulated buildings	8 (<i>pop. over 300,000</i>)	26 (<i>pop. over 100,000</i>)	42 (<i>pop. over 50,000</i>)
Compliance rate	56%	TBD	TBD
First year of public disclosure	2019	2020	2021



Theory of Change

Personalized: Outreach and Education must be targeted and relevant



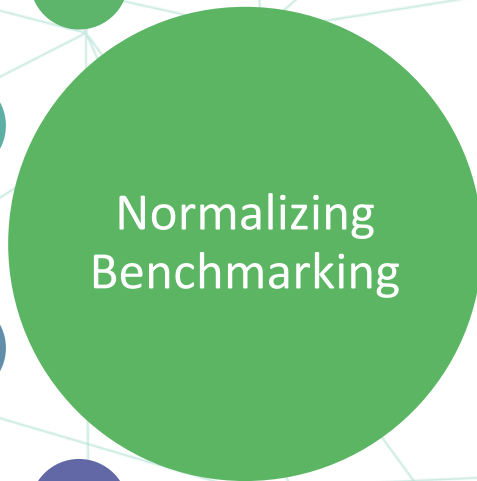
Repeated: Same message repeatedly from trusted sources



Hands-On: Need to learn how to use the tools and accomplish milestones



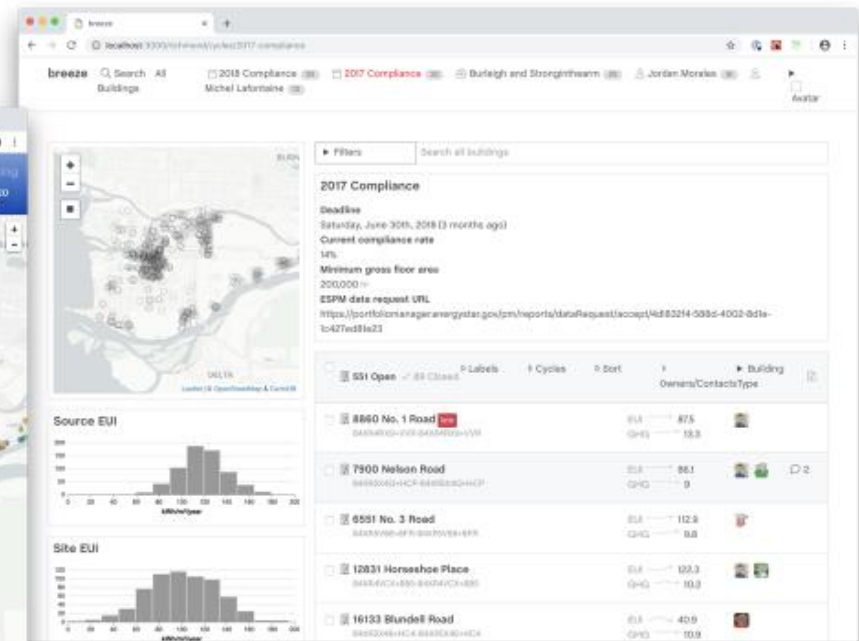
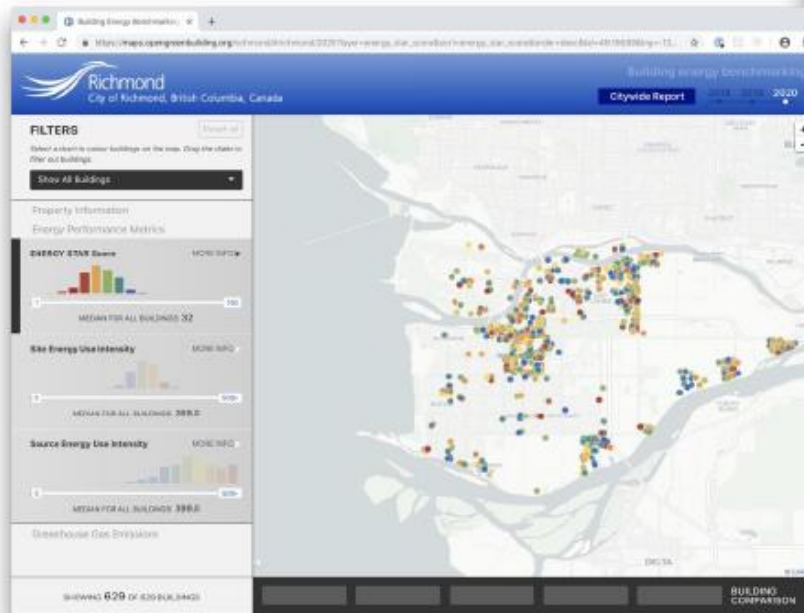
Valuable: Must demonstrate value creation beyond compliance



Online Disclosure



- All buildings in Canadian portfolio over **25,000ft²**
- **One full year** of data



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Every Building Greener

TORONTO 2030 PLATFORM

A COLLABORATIVE CARBON REDUCTION PLATFORM FOR DOWNTOWN TORONTO



Benefits of Advanced Analytics

- Detailed Market Segmentation
 - Sector
 - Type
 - Age
 - Geography
- Scenario Mapping



Benchmarking & Disclosure is a Catalyst

