

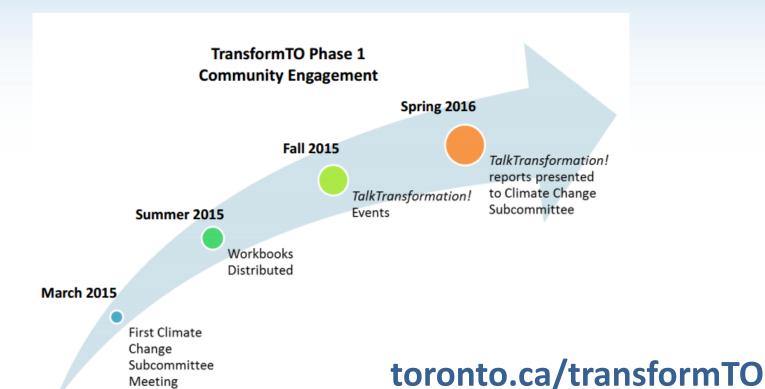
Climate action for a healthy, equitable, prosperous Toronto.

TALL transformation!

BUILDINGS AND ENERGY SYSTEMS
IN A LOW-CARBON TORONTO



Climate action for a healthy, equitable, prosperous Toronto.

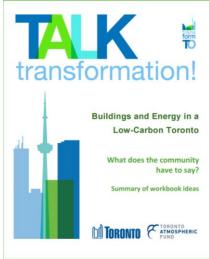




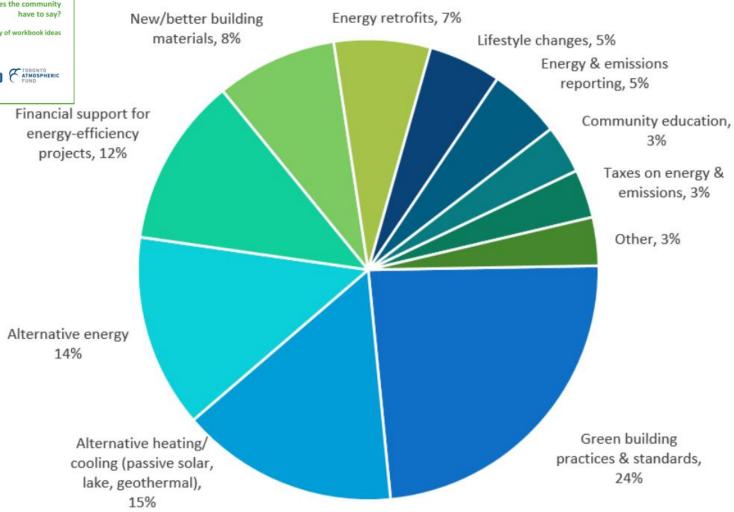








Key Ideas



#TransformTO



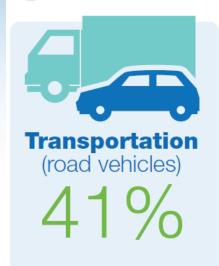








Where do Toronto's greenhouse gas emissions come from?*

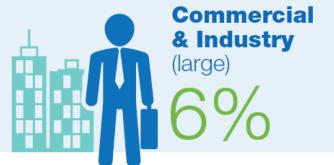












* Based on 2012 emissions of 21 million tonnes









Green Development

- Rapid development with more cranes in the air than any other North American city in 2012.
- ➤ Buildings are a long-term investment with 50+ year life span.
- ➤ Toronto Green Standard ensures a low-carbon built form.





2000

2014



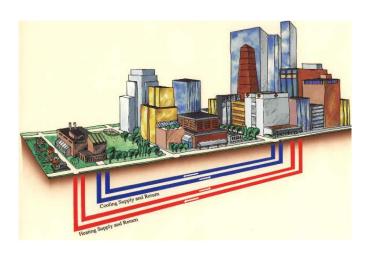






Community Energy Planning

- ➤ Not "building-by-building" but at the neighbourhood scale
 - ➤ Conservation / efficiency
 - ➤ Renewable Energy Resources
 - **➤** District Energy













Better Building Partnership

- ➤ Provides expertise, resources and financial assistance to building owners, managers and developers to aid in successfully implementing energy efficiency measures in existing and new construction buildings.
- ➤ Eliminated equivalent of 600,000 tonnes of CO₂ emissions





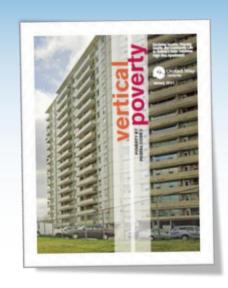






HELP/Hi-RIS

- Cost-neutral programs that support energy and water efficiency retrofits.
- ➤ Hi-RIS
 - ➤ 3 year, \$10 million program offering low interest financing to multi-unit residential buildings.
- ➤ Home Energy Loan Program (HELP)
 - City-wide program available to all qualifying residents
 - ≥1st of its kind in Ontario.













Energy Reporting & Benchmarking

- You can't manage what you don't measure.
- ➤ ERB potential benefits by 2035 in Toronto:
 - ➤ 21 Million eMWh cumulative energy savings
 - ➤ 3.3 Million tonnes eCO₂ avoided emissions
 - ➤ \$1.9 Billion in cumulative utility cost savings













We need to chart the right course, today's decisions determine tomorrow's climate.









Tonight's Speakers

- Michael Brooks, REALpac
- Katie Harper, Project Neutral
- Leslie Malone, Acadia Centre











S. Michael Brooks, CEO Real Property Association of Canada

REALpac

PROJECT PROJECT PROJECT A



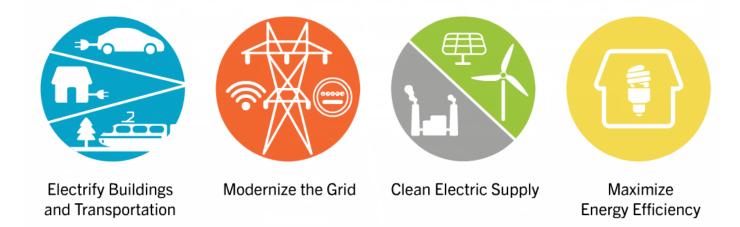




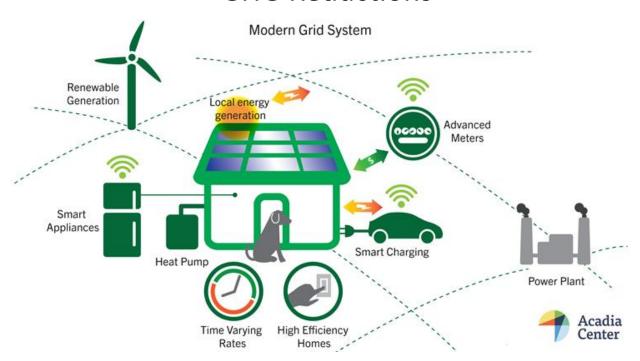




Advancing the Clean Energy Future



Low Carbon Power + New Electric Technologies = Pathway to Deep GHG Reductions



Tonight's Speakers

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- Katie Harper, Project Neutral
- Leslie Malone, Acadia Centre









Thank you!

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