Corporate Knights Sustainable Cities Index

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Feedback is welcomed – email: cities@corporateknights.com

Agenda

1. Corporate Knights
2. Sustainable Cities Index
3. Open discussion, Q&A

Sustainable Cities Index

Crowd-sourced
and
interactive

Reveals global
leaders in urban
sustainability

Ranking
Published
Annually

Goals

1. Generate a tool that people working on sustainability issues in cities would want to use and would provide helpful insights.

2. Connect city representatives with individuals or companies that can generate solutions for sustainability issues.

Menti polls

Canada • United States • Central and South America • United Kingdom and Europe • Africa • China • Asia and Oceania

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2023 Sustainable Cities Index

Canada

- Edmonton
- Calgary
- Halifax
- Montréal
- Ottawa
- Toronto
- Vancouver

United States

- Chicago
- Houston
- Los Angeles
- Minneapolis
- New York City
- San Francisco
- Seattle
- Washington, D.C.

Central and South America

- Bogotá
- Curitiba
- Buenos Aires
- Medellín
- Mexico City
- Rio de Janeiro
- São Paulo

United Kingdom and Europe

- Berlin
- Copenhagen
- Helsinki
- Istanbul
- Lahti
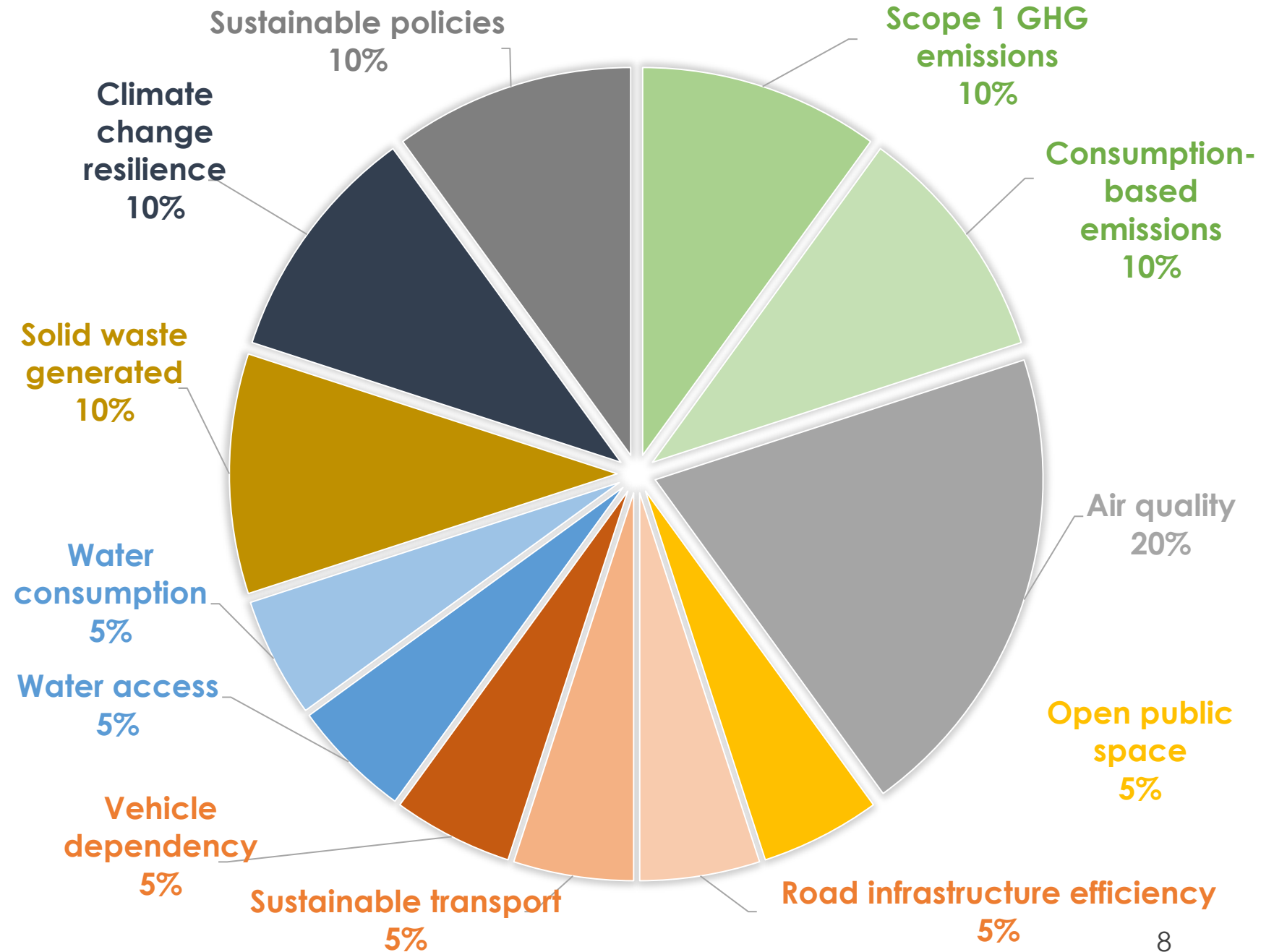- London
- Madrid
- Moscow
- Oslo
- Paris
- Stockholm

Asia and Oceania

- Canberra
- Dhaka
- Mumbai
- Singapore
- Seoul
- Sydney
- Tokyo

Africa

- Accra
- Cape Town
- Dar es Salaam
- Johannesburg
- Lagos

China

- Beijing
- Guangzhou
- Shanghai
- Shenzhen
- Tianjin

Indicators & Index Weights

Sustainable policies 10%
Scope 1 GHG emissions 10%
Consumption-based emissions 10%
Climate change resilience 10%
Air quality 20%
Solid waste generated 10%
Open public space 5%
Water consumption 5%
Water access 5%
Vehicle dependency 5%
Sustainable transport 5%
Road infrastructure efficiency 5%

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Environmental policies and targets

- Started with an assessment of the number of key policies tracked by REN21 that the city has enacted:
    - (i) renewable energy target,
    - (ii) electric vehicle target,
    - (iii) emission reduction target,
    - (iv) net-zero GHG target, and
    - (v) renewable energy enabling policy.
- Amended with additional information to support renewable energy policies and targets as provided by cities.

Sector- vs Consumption-based Inventories
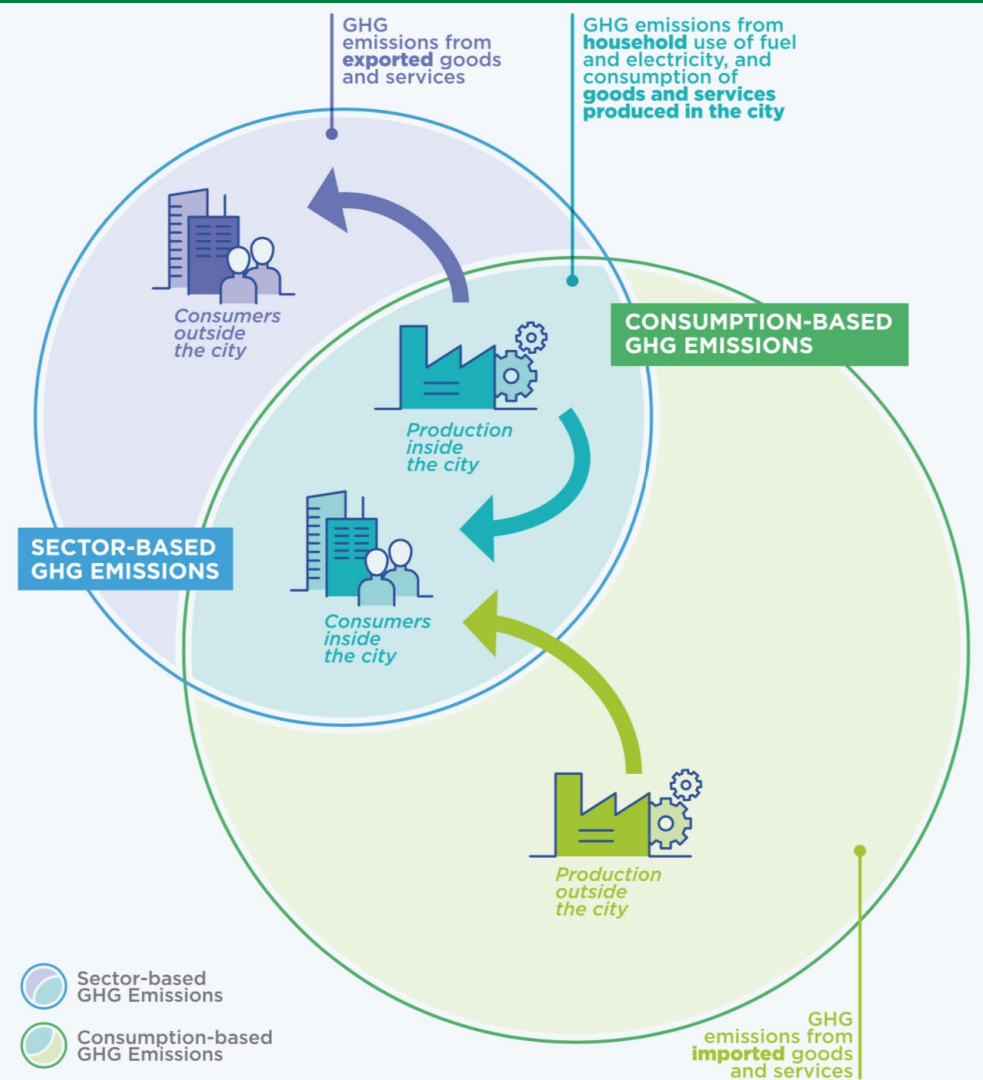
Sector-based
<u>Scope 1:</u> produced inside the city
<u>Scope 2:</u> produced from grid-supplied energy
<u>Scope 3:</u> produced outside the city

Consumption-based
All emissions consumed inside the city, regardless of location of production

Figure 2 from *Consumption-Based GHG Emissions of C40 Cities*

Consumption-based emissions in cities
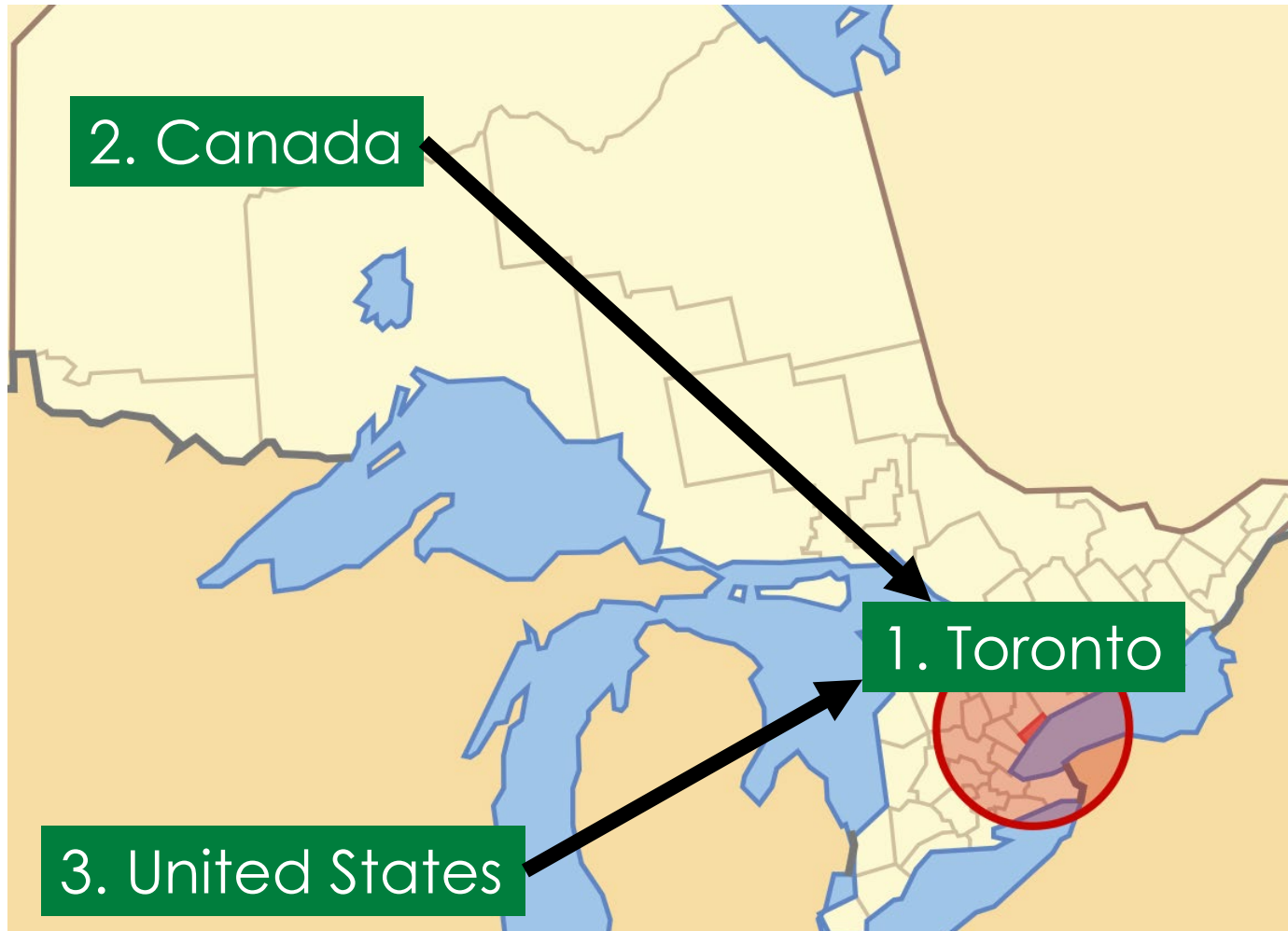
1. City's residential fuel and electricity use, personal transportation fuel, and waste

    23%

2. Embedded in goods produced domestically

    55%

3. Embedded in goods imported from other countries

    22%

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Targets for Urban Sustainability Performance

Sustainable Cities Index Indicator	Target	Units
Scope 1 GHG Emissions	Net-Zero	tonnes CO_2e/capita
Consumption-Based Emissions	Net-Zero	tonnes CO_2e/capita
Air Quality ($PM_{2.5}$)	< 10	$\mu g/m^3$
Open Public Space	45	%
Water Access	100	%
Water Consumption	100-150	litres/capita/day
Road Infrastructure Efficiency	< 1	km/km^2
Sustainable Transport Mode Share	75	%
Vehicle Dependency	< 1	vehicles/household
Solid Waste Generated	< 0.3	tonnes/capita/year
Climate Change Resilience	> 3	ratio
Sustainable Policies	5	/5

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Menti polls

Sustainable Cities Data Hub: Crowd-Sourced

City officials are invited to add their city to the index

Steps:

1. <u>Register</u> city official credentials at corporateknights.com/sustainable-cities
   - ❖ Data Hub log-in credentials
2. <u>Provide</u> 15 key data points
   - ❖ *Links to referenced data must be provided*
   - ❖ Data verification
3. <u>Receive</u> the results of your city's sustainability performance on the index

   - ❖ Data exploration visualization tools
   - ❖ Download the database of data

   - ❖ **Knowledge sharing platform**

Menti polls

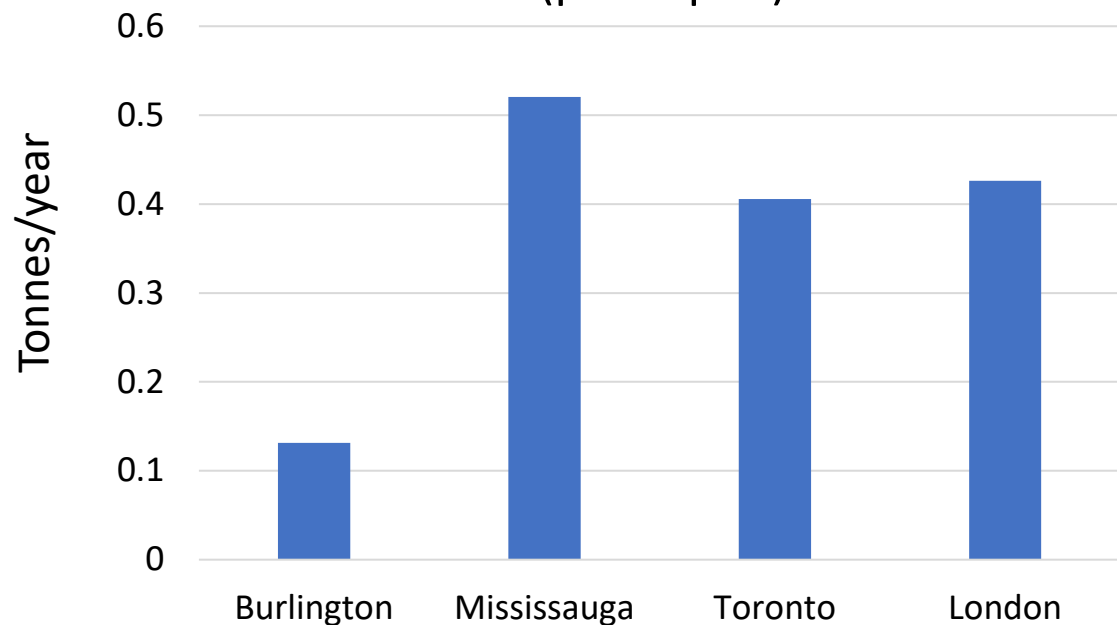## Greater Golden Horseshoe Area

How are municipalities similar?

How are they different?
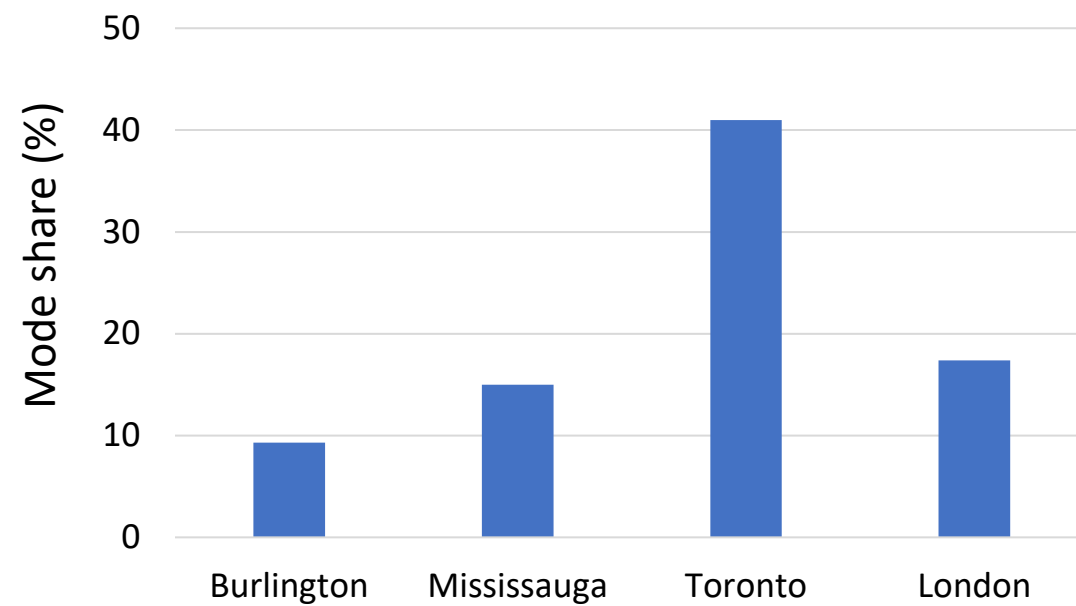
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Quick Comparison

Using data submitted to CDP Cities in 2022

Solid Waste Generated
(per capita)

Sustainable Transport
Cycling, walking, micromobility, public transit

Menti polls

Thank You

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