

Energy and Water Reporting Bylaw

BBP Webinar
March 19th, 2024





Background: TransformTO

TransformTO

TransformTO is Toronto's strategy to reduce local greenhouse gas emissions, improve our health, grow our economy, improve social equity & increase climate resilience. Everyone will have a part to play in transforming Toronto into a low-carbon city.



TransformTO Guiding Principles



Advance social equity



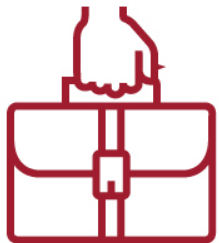
Protect low-income residents



Improve affordability particularly for vulnerable population



Enhance and strengthen the local economy



Maintain and create good quality local jobs



Improve public health



Contribute to poverty reduction



Create resilient communities and infrastructure

Climate Emergency

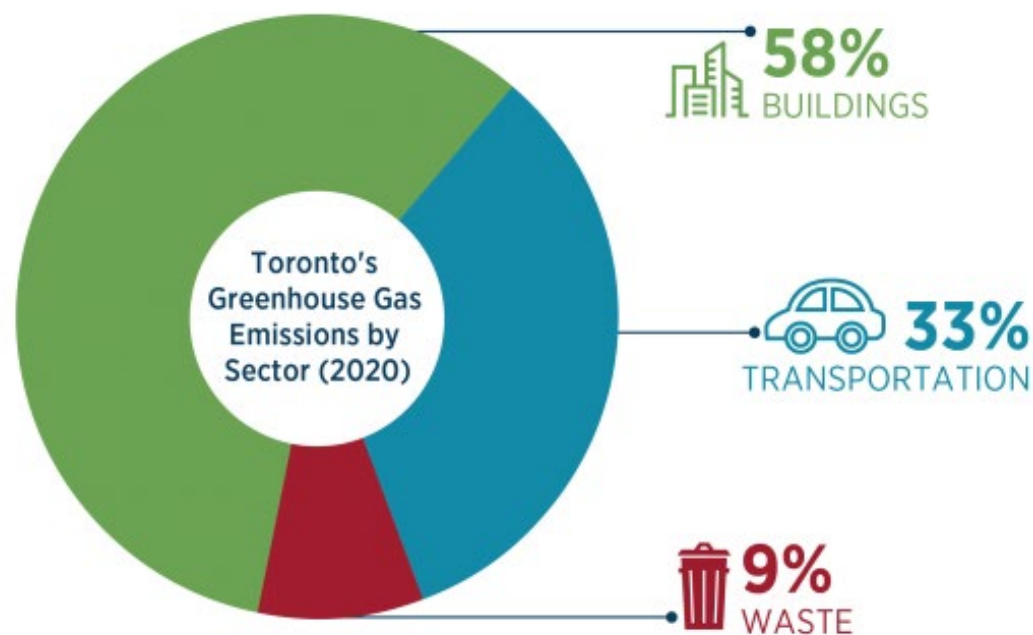
On October 2nd 2019, Toronto City Council unanimously voted to declare a climate emergency and accelerate its efforts to mitigate and adapt to climate change.

TransformTO now aims to achieve net zero emissions by 2040, a decade ahead of the original plan.



GHG Emissions in Toronto

2020 GHG Inventory



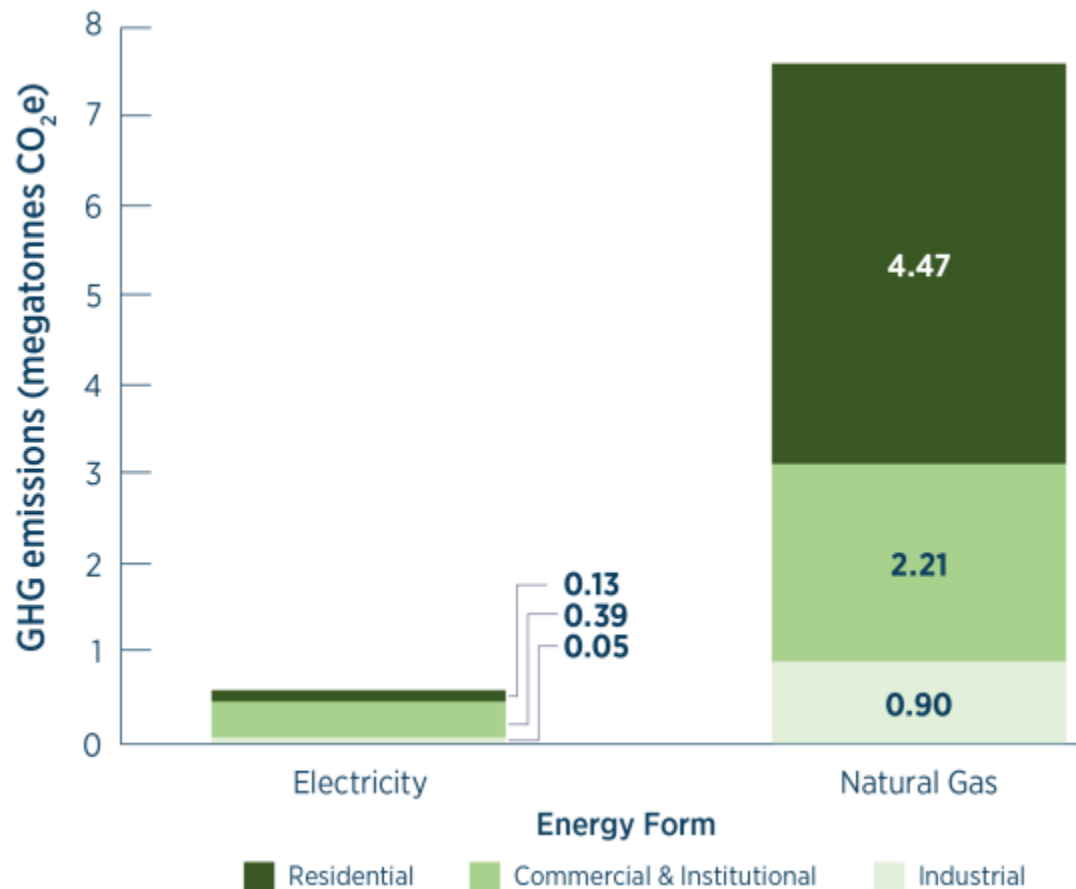
[Toronto's 2020 Sector-based Greenhouse Gas Emissions Inventory – City of Toronto](#)

New TransformTO NZ Strategy

- Toronto surpassed its **2020 target of a 30 per cent reduction in GHG emissions from a 1990 baseline**. However, 2020 was an anomaly year due to the COVID-19 pandemic
- Continued ambitious climate actions and programs will be critical to reaching the City's **2025 target of 45 per cent GHG emissions reduction**. Further, these efforts must be scaled up to reach Toronto's future targets of a **65 per cent reduction by 2030** and **net zero by 2040**.

GHG Emissions in Toronto Buildings

2020 GHG Inventory



[Toronto's 2020 Sector-based Greenhouse Gas Emissions Inventory – City of Toronto](#)

Net Zero Existing Buildings Strategy

Comprehensive strategy for achieving net zero emissions in all existing buildings across Toronto, in alignment with the City's Climate Emergency Declaration of October 2019.

The Net Zero Existing Buildings Emissions Strategy will:

- Achieve deep emissions reductions across the building sector
- Support the building industry in making the transition to a low-carbon sector
- Support the realization of multiple co-benefits in social equity, economic impact, resilience and health

[Net Zero Homes & Buildings – City of Toronto](#)

Strategy Recommended Actions

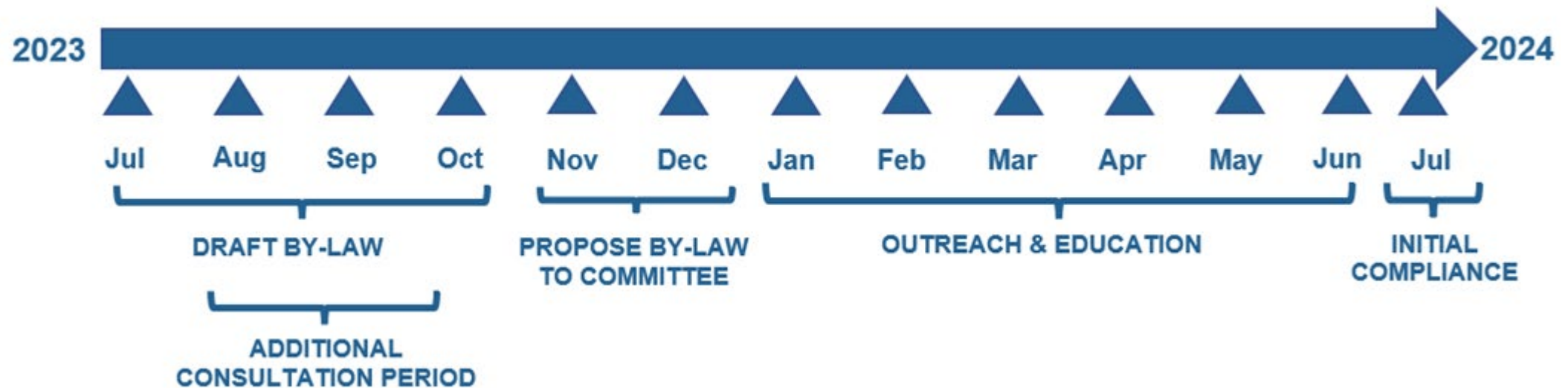
Purpose	Category of Policy/Actions
Set requirements to assess building performance and create a path to net zero	<ol style="list-style-type: none">1. Require annual emissions performance reporting and public disclosure for all existing buildings2. Establish emissions performance standards3. Require energy and emissions audits and tune-ups
Provide support and resources to make retrofits easier and more affordable	<ol style="list-style-type: none">4. Provide integrated retrofit support5. Expand and enhance retrofit financing6. Support permitting and approvals process for deep retrofits
Advocate and partner with other levels of government	<ol style="list-style-type: none">7. Build awareness and capacity of home and building owners for emissions reductions strategies and supports8. Support workforce development and training9. Advocate for action at other levels of government



Toronto's Energy and Water Reporting Bylaw

Bylaw development timeline

Energy and Water Reporting Bylaw



What does the Bylaw Require?

- Building owners required to submit data to the City annually
- Information to be reported:
 - Electricity use
 - Natural gas use
 - Other fossil fuel use
 - District energy use
 - Water use
 - Property Address
 - Assessment Roll Number
 - Property use type(s)
 - Number of units
 - Year of construction
- For full details, see section 367-2.2. of the by-law text:
[Municipal Code Chapter 367, Building Emissions Performance](#)

Who will be required to report?

Building sizes:

Gross floor area	First reporting deadline	Number of buildings	Number of building owners
≥ 50,000 ft ²	July 2, 2024	7,500	2,100
≥ 10,000 ft ²	July 2, 2025	16,100	5,800

All building types, but most affected are:

- Commercial
- Industrial
- Institutional
- Multi-Unit Residential

How to Report

Reporting Tool

- [Energy Star Portfolio Manager](#)

Reporting Link

- Available on the City's www.toronto.ca/EWRB web page

The screenshot shows the City of Toronto website header with the logo and navigation menu. The breadcrumb trail indicates the path to the 'Energy & Water Reporting for Buildings' page. The main heading is 'Energy & Water Reporting for Buildings'. Below it, a message states that the reporting link is now open with a deadline of July 2, 2024. A prominent blue button labeled 'Report to the City of Toronto' is highlighted with a yellow box and pointed to by a yellow arrow. To the right, a sidebar titled 'In This Section' lists related topics like 'Green Your Business' and 'Energy & Water Reporting for Buildings'. At the bottom, there is a section for 'Contact Information'.

What will happen with the data?

Public Disclosure

- Current policy: only disclose aggregated, anonymized and/or semi-anonymized data.
 - E.g. a report summarizing trends in building performance (aggregated)
 - E.g. a downloadable spreadsheet containing data and/or calculated metrics for individual buildings, but with identifying information removed (anonymized).
- Stakeholder consultations in 2024 on potential non-anonymized disclosure in future

Potential uses of data

- Help inform future emissions performance standards
- Help inform the design and implementation of future programs & supports
- Research by academic institutions and industry

Key benefits



Determine the baseline performance level of your building.



Identify energy and water efficiency opportunities.



Save money by tracking and understanding usage.



Take action to reduce your building's greenhouse gas emissions.

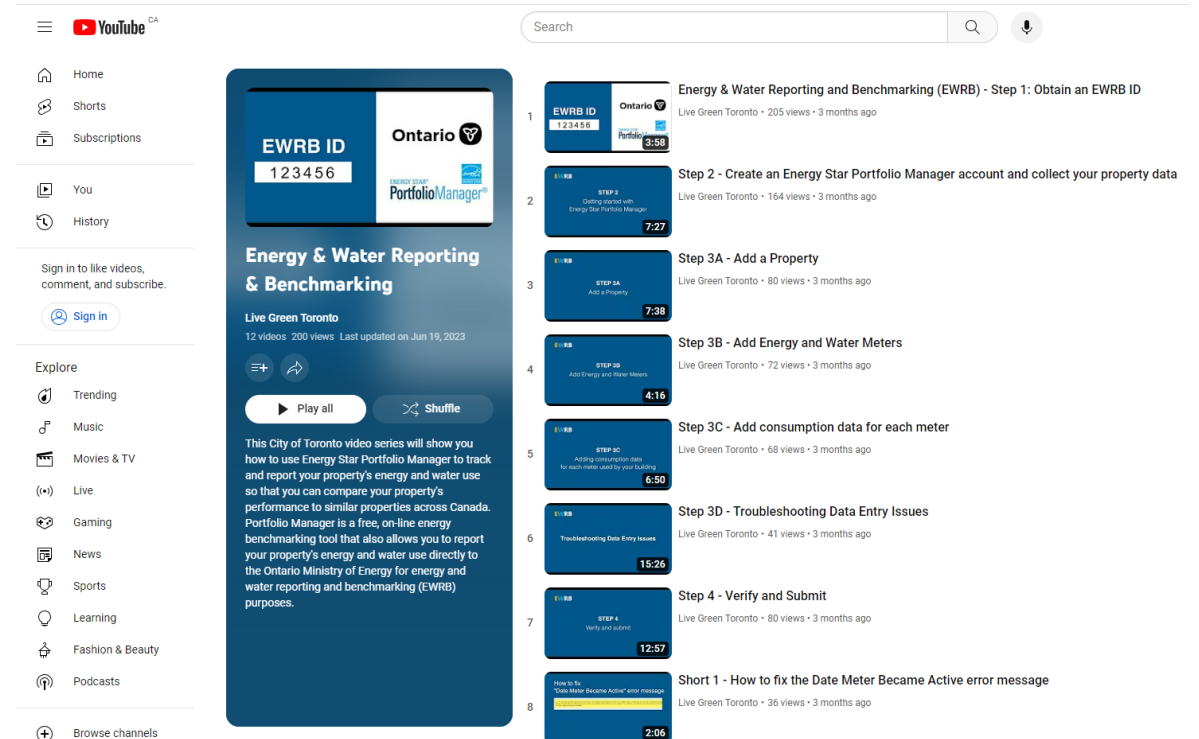
What support does the City provide?

Help with how to report

- Web site: toronto.ca/EWRB
 - Resources
 - [Instructional videos](#)
 - FAQs
 - How to request water data
- Webinar on how to report: Apr. 25, 2024

Help with how to reduce energy use

- Guidance to identify opportunities to improve your building's emissions performance



City of Toronto Net Zero Buildings Programs & Policies

Support, Guidance & Enablement

- Navigation & Support Services
- BetterHomesTO
- Renewable Energy
- Sustainable Towers Engaging People (STEP)
- Green Will Initiative (GWI)



Financing & Incentives

- Energy Retrofit Loans (ERL)
- Home Energy Loan Program (HELP)
- High-Rise Retrofit Improvement Support Program (Hi-RIS)
- Taking Action on Tower Renewal (TATR)
- Eco-roof Incentive Program
- Deep Retrofit Challenge



Links and Resources

Toronto's Energy and Water Reporting web page:
www.toronto.ca/EWRB

Energy and Water Reporting By-Law text:
[Municipal Code Chapter 367, Building Emissions Performance](#)

Better Buildings Partnership
[Better Buildings Partnership – City of Toronto](#)

TransformTO
[TransformTO – City of Toronto](#)

To participate in future stakeholder engagement and consultation activities, email
BBP@Toronto.ca