



TransformTO Net Zero Strategy Action Plan (2026-2030): Public Consultation Process

November 6, 2024

Land Acknowledgement

The City of Toronto acknowledges that we are on the traditional territory of many nations including the Mississaugas of the Credit, the Anishnabeg, the Chippewa, the Haudenosaunee and the Wendat peoples and is now home to many diverse First Nations, Inuit and Métis peoples. The City also acknowledges that Toronto is covered by Treaty 13 signed with the Mississaugas of the Credit, and the Williams Treaties signed with multiple Mississaugas and Chippewa bands.

African Ancestral Acknowledgement

The City of Toronto acknowledges all Treaty peoples – including those who came here as settlers – as migrants either in this generation or in generations past - and those of us who came here involuntarily, particularly those brought to these lands as a result of the Trans-Atlantic Slave Trade and Slavery. We pay tribute to those ancestors of African origin and descent.

Outline

1. TransformTO: background, timelines and City decision-making processes
2. The path to Net Zero: where are we at?
3. Net Zero Action Plan (2026-2030): public consultation process
4. Hosting Group Discussions
5. Q&A

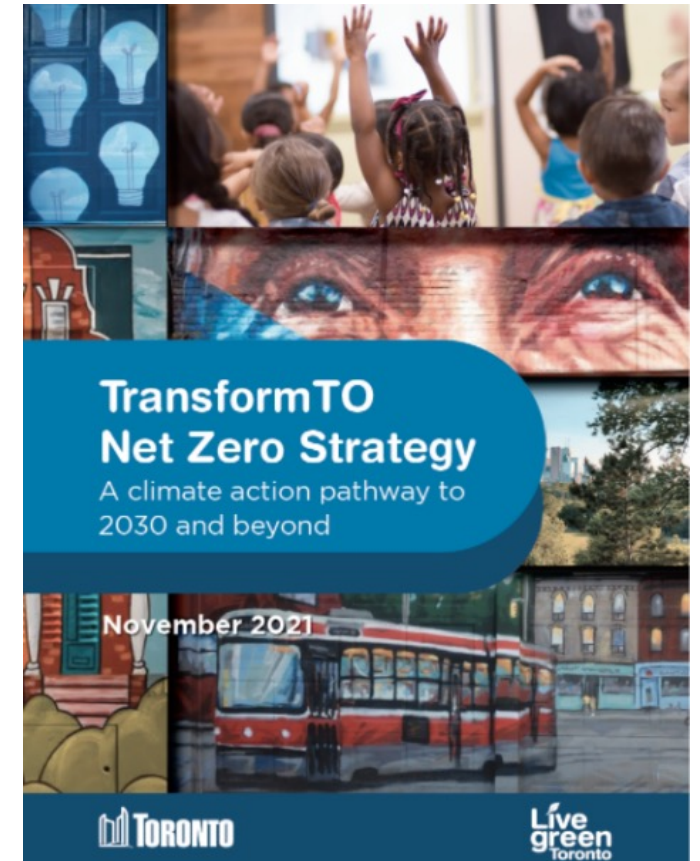
TransformTO Net Zero Strategy Action Plan (2026-2030): Background Information, Timelines and City Decision Making Processes

What is the TransformTO Net Zero Strategy?

- The TransformTO Net Zero Strategy was adopted by City Council in December 2021
- Long-term goal of net zero emissions by 2040
- Interim target of a 65% reduction in emissions by 2030 (from 1990 baseline).

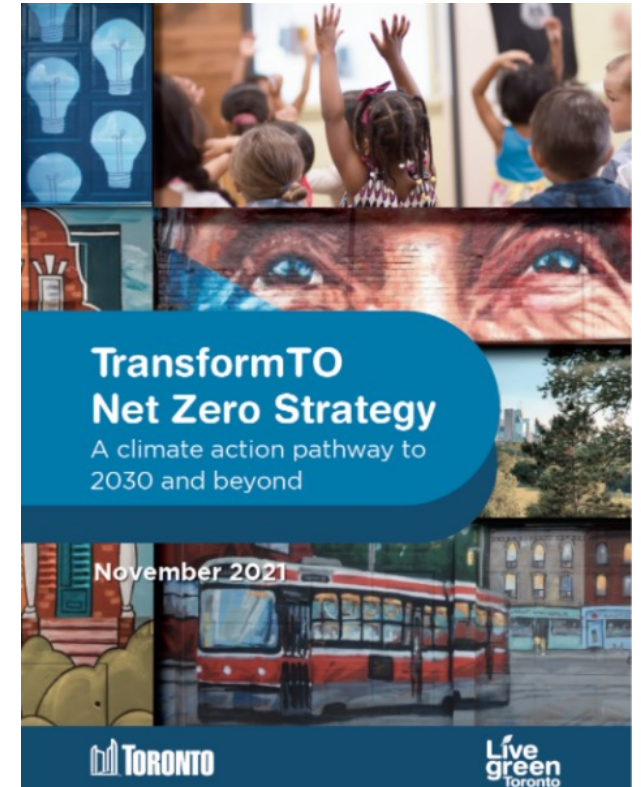
What are Net Zero emissions?

Net zero emissions is achieved when we stop emitting GHGs from how we live, work, and travel. The goal is to get emissions as close to zero as possible, with any remaining human driven emissions balanced by an equivalent amount of carbon removals.

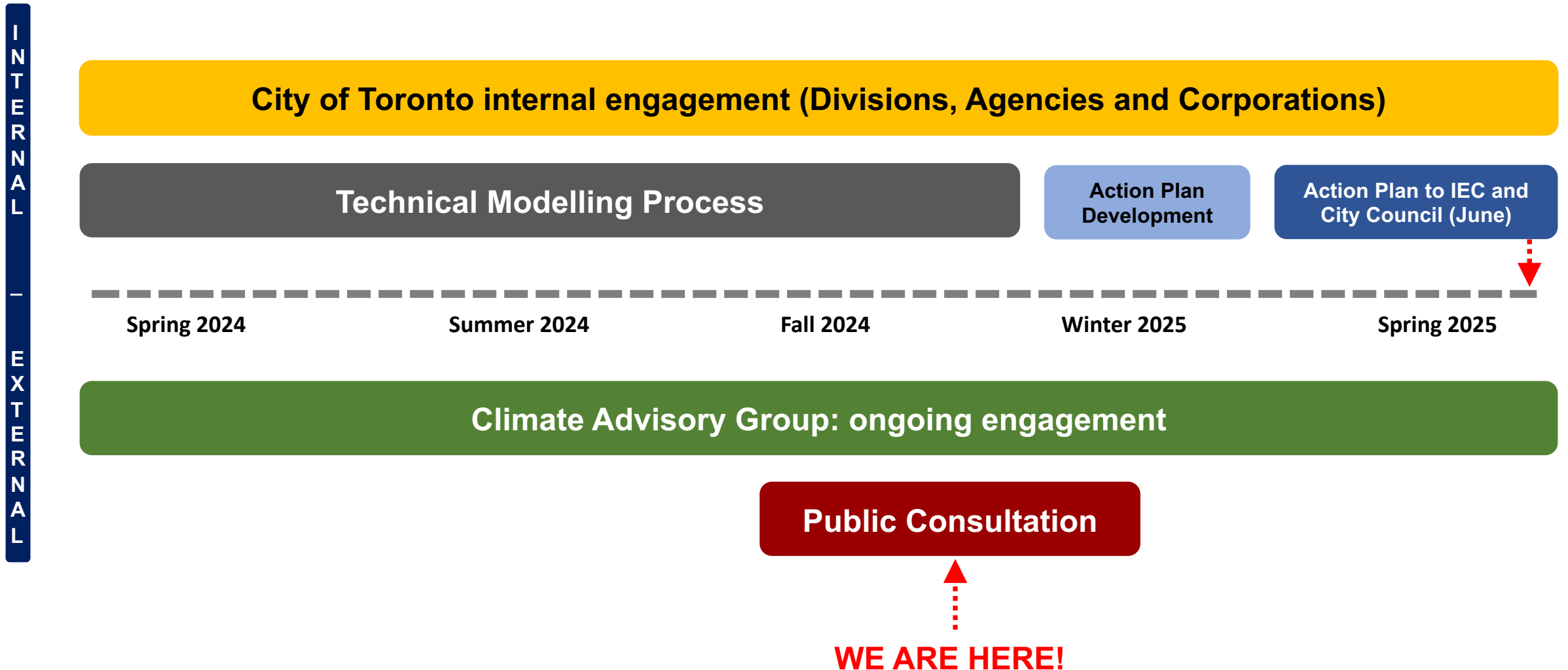


What is the Net Zero Strategy Action Plan (2026-2030)?

- The Action Plan (AP) is part of the strategy: a set of actions to be implemented across various sectors, designed to help achieve the ambitious goals and targets set out in the strategy
- The 2022-2025 plan included a set of 30 key actions in 7 key sectors, with a number of sub-actions
- The 2026-2030 Action Plan is currently being developed based on technical modelling and internal and external consultation.

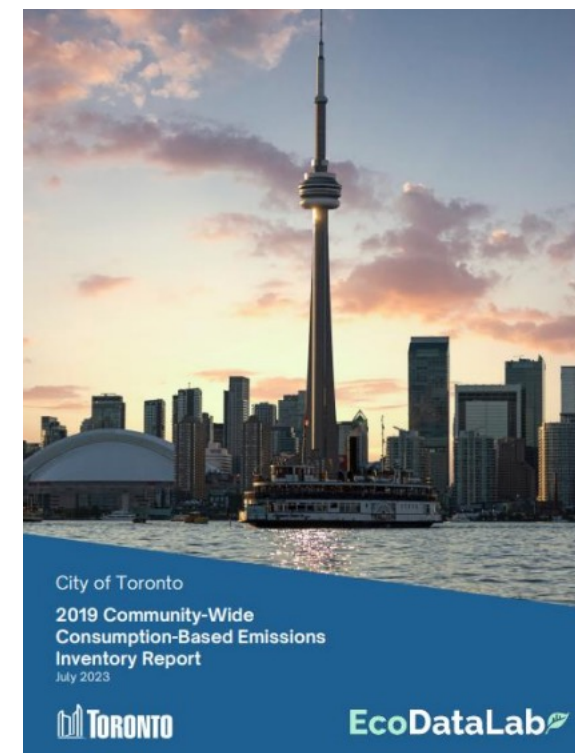


Net Zero Strategy Action Plan (2026-2030): Timeline



The path to Net Zero: where are we at?

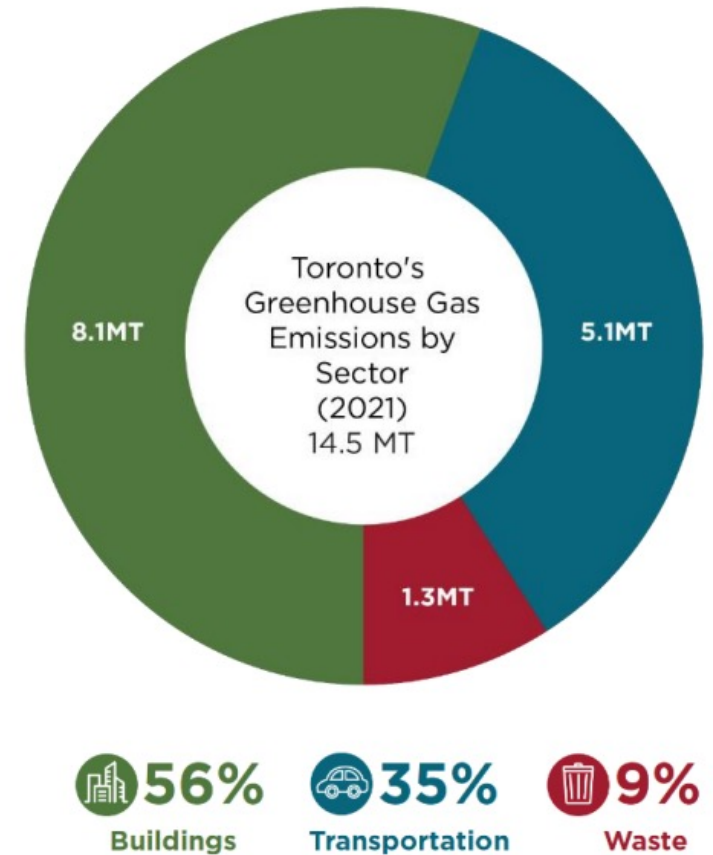
The path to Net Zero: where are we at?



toronto.ca/transformto

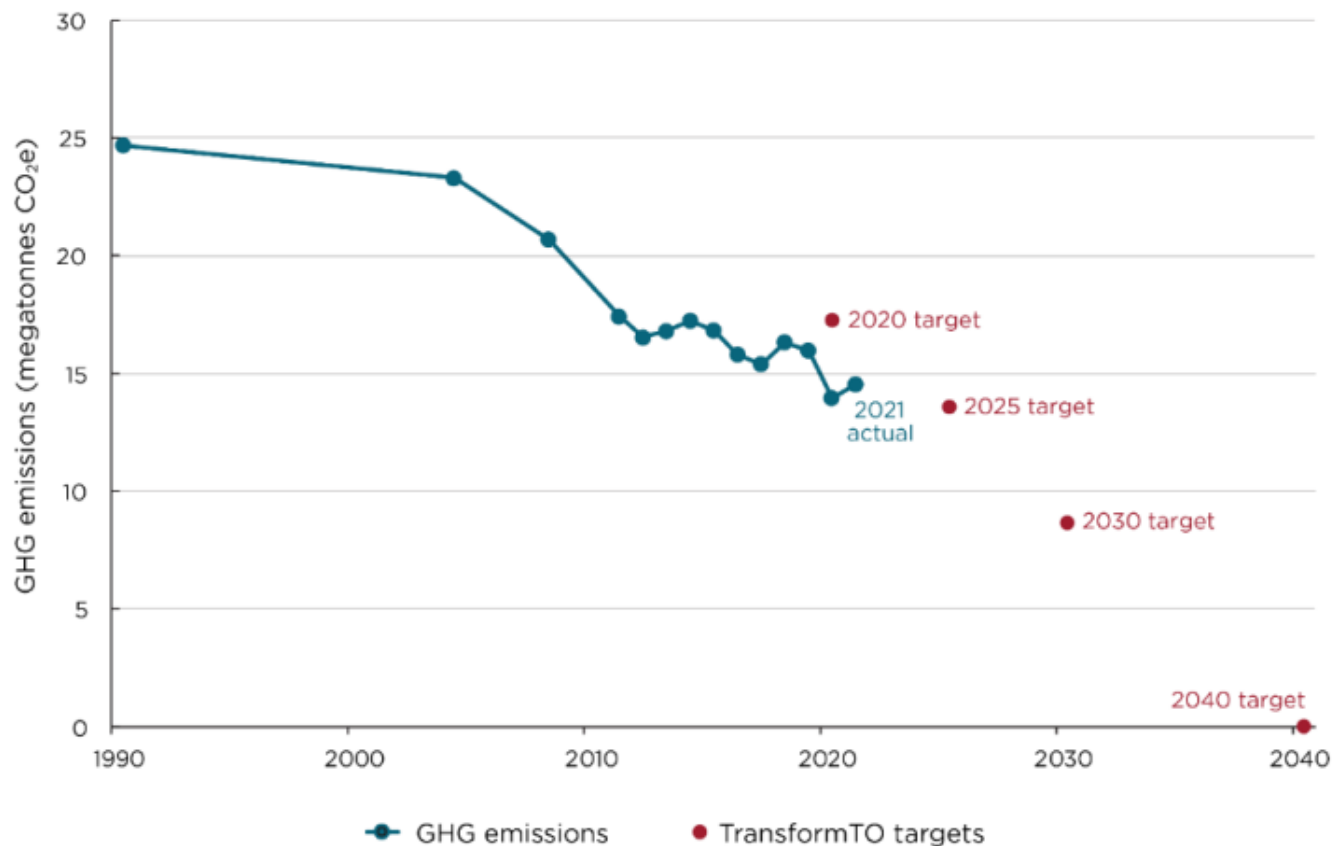
2021 Sectoral GHG Emissions

- Emissions from buildings remained the primary source of GHGs, accounting for 56% of community-wide emissions, a slight decrease in emissions from 58% in 2020.
- Transportation sector emissions continued to be the second largest source of GHG emissions in Toronto, accounting for 35%. This is an increase in share from 33% in 2020.
- Waste sector emissions, primarily from landfills, were 9% of emissions in 2021. This remained stable compared to 2020.



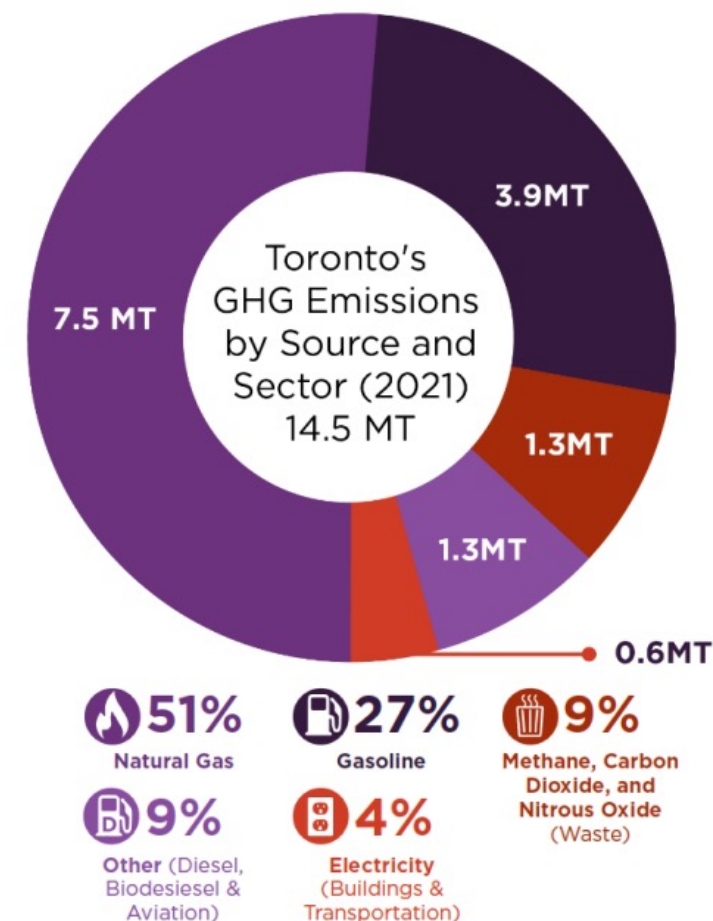
Community-wide emissions: the path to Net Zero by 2040

- 14.5 MT CO₂E in 2021
- 4% increase over 2020 (14MT)
- 41% less than 1990 levels
- In comparison to 2019, emissions were 9% lower in 2021; however, it is expected that most of this is due to the impacts of covid continued from 2020.



Emissions: key drivers

- Natural gas is largest source of GHG emissions (in 2021) at approximately 7.5 MT, accounting for about 51% all emissions
- Gasoline used for passenger cars and trucks accounted for 27% and is the second largest source of emissions
- Both increased from 2020



Public Consultation for the TransformTO Net Zero Strategy Action Plan (2026-2030)

We want to hear from you!



Are you concerned about climate change and interested in what you can do?



Have you been experiencing the effects of hotter, wetter, wilder weather?



Our climate is changing.



Call **3-1-1**



Hotter, wetter, wilder weather: climate adaptation

**How is the hotter,
wetter, wilder
weather impacting
you?**



The number of days per year with temperatures above 30°C in Toronto (extreme heat days) has already increased from an average of 8 days in the 1950s to about 18 days per year now. If global emissions continue to rise, extreme heat days could increase to 29 by the 2030s and to 54 days by the 2060s.

Reducing greenhouse gas emissions: climate mitigation

What are the most important things we can do to reduce emissions?



Heating single family homes is the single largest source of emissions in Toronto. If you're a homeowner, you can reduce your emissions through home retrofits and by fuel switching from natural gas heating to an electric heat pump.



Gasoline combustion is the second largest source of emissions. By taking transit, walking, cycling or driving an electric vehicle, you can reduce your emissions and save money. Active transportation has added health benefits.



Use your voice! Join a group already working on climate issues and encourage others to reduce the impacts of climate change. By having conversations with friends, family, classmates, and co-workers we can inspire and support change in our community.

Infographic – How emissions change when people drive less

This infographic is meant to show you how individual transportation mode choice influence emissions in a fictional neighbourhood with a population under 10,000 called “Anywhere-ville”.

Watch how emission clouds get smaller when people choose to walk up to 30 minutes and take their bike once a week, instead of driving every day.

Infographic - How emissions change when people drive less

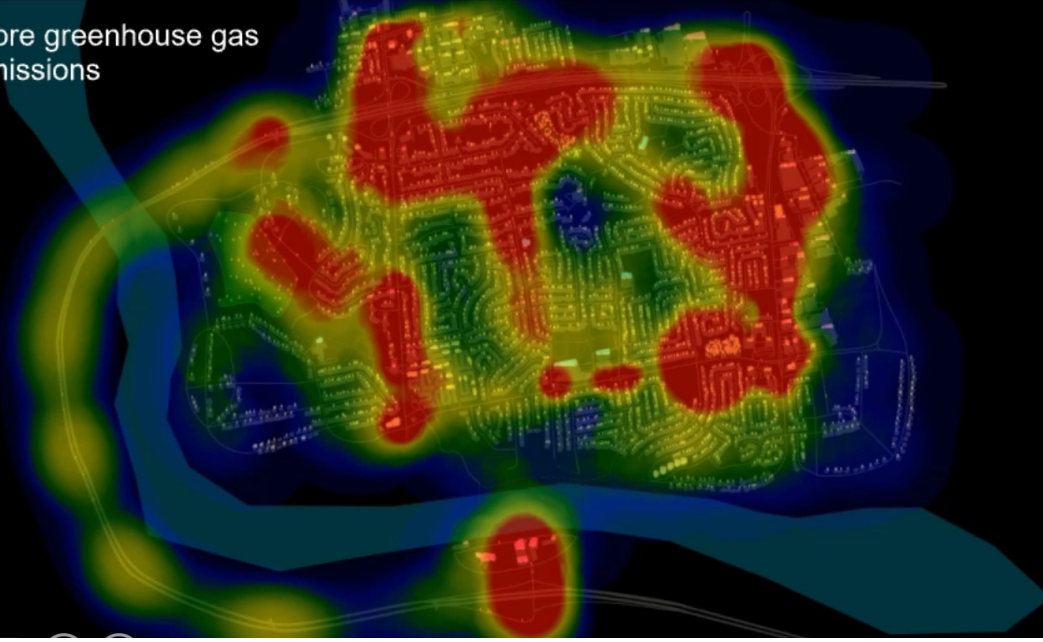
A neighbourhood where everyone drives (red dots represent cars)



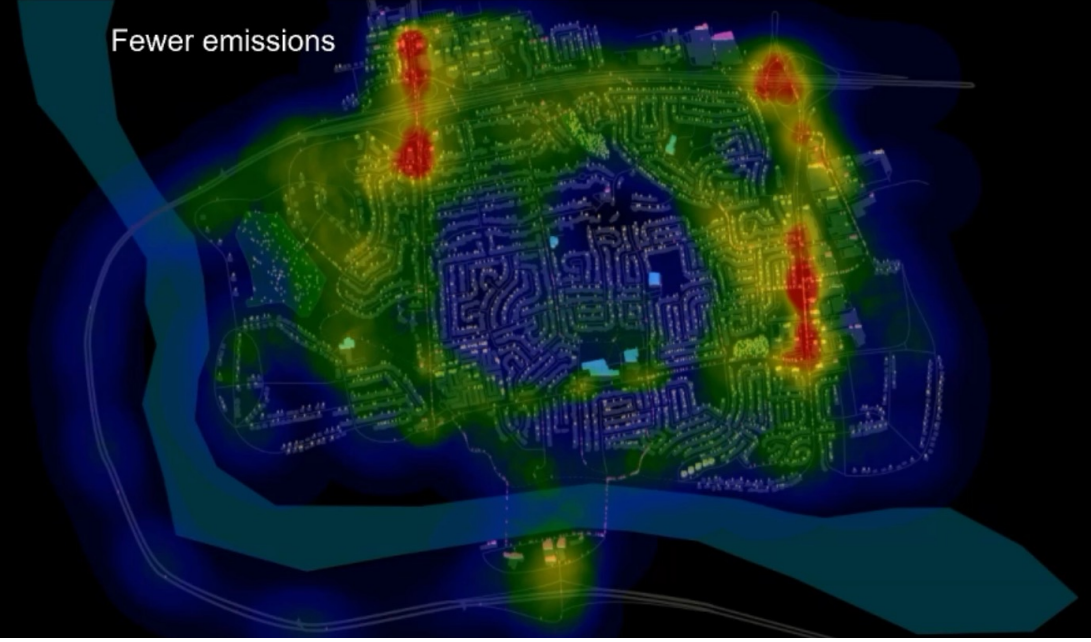
A neighbourhood where people walk up to 30 minutes or take their bicycle one day a week instead of driving



More greenhouse gas emissions



Fewer emissions



Consultation process: materials



TransformTO Net Zero Strategy Action Plan 2026-2030



[Complete a survey](#) to have your say on climate action and shape the Net Zero Action Plan. Survey ends December 1, 2024.

The City of Toronto is currently seeking input on actions under consideration for the next Action Plan of the [TransformTO Net Zero Strategy](#), the City of Toronto's community-wide climate strategy. The Net Zero Strategy has a target of net zero

Share Print Translate

In This Section

TransformTO Net Zero Strategy

Toronto Residents' Reference Panel on Inclusive Climate Action

TransformTO Net Zero Strategy Action Plan 2026-2030

TransformTO Reports & Resources

TransformTO Youth Climate Action Engagement Strategy

Consumption-Based Emissions Inventory

Sector-Based Emissions Inventory

[Toronto.ca/NetZeroActionPlan](https://toronto.ca/NetZeroActionPlan)

Net Zero Action Plan Consultation Process

Get involved:

- Online Survey
- Webinars
- Group Discussions
- Pop-Up Events

[Toronto.ca/NetZeroActionPlan](https://toronto.ca/NetZeroActionPlan)

Consultation period closes Jan 31.



Group Discussion Guide and questions

TransformTO Public Consultation

October/November 2024

Group Discussion Guide



We want to hear from you!

This Group Discussion Guide is part of the City's ongoing public consultation efforts on addressing climate change.

It includes tips to support your group discussion and space for you to take notes on who participated and what they had to say. When you're done, submit the feedback through our online survey by scanning the QR code.

Use this Guide along with the TransformTO Public Consultation Info Sheet (at right) which includes more information about the consultation.

Feedback received by December 1, 2024, will help inform the City's next TransformTO Short Term Action Plan.



- Focus on both adaptation and mitigation
- What actions are people taking?
- What barriers are they facing?
- What supports do they need?



Call **3-1-1**



Group Discussion Guide

TransformTO Public Consultation

November 2024 - January 2025

Group Discussion Guide



We want to hear from you!

This Group Discussion Guide is part of the City's ongoing public consultation efforts on addressing climate change. It includes tips to support your group discussion and space for you to take notes on who participated and what they had to say. When you're done, submit the feedback through our online survey by scanning the QR code.

Use this Guide along with the TransformTO Public Consultation Info Sheet (at right) which includes more information about the consultation.

Feedback received by January 31, 2025, will help inform the City's next TransformTO Short Term Action Plan.



Learn more on how to host your own group discussion!

Attend an online orientation session on Wednesday, November 6. There will be two identical sessions, including:

12 - 1 pm or 7 - 8 pm

Head to the website by scanning the QR code or entering the URL below for the link to the Group Discussion orientation.

Missed the orientation? Recordings will be/are posted on the City's website.



Tips on holding a group discussion

1. **Set a time and place** for connecting with friends, family, neighbours, co-workers and/or others (it could be people on your sports team, at your place of worship, at school - whatever makes sense for you).
2. **Use the Info Sheet** to share more information about the public consultation. Ask the questions on the next three pages to the participants in your group discussion.
3. **Encourage everyone to participate** and share their experiences and perspectives.
4. **Make sure that you take notes** (using the worksheets included here or you can take notes directly in the online survey form - be sure to select "Group Discussion"). Consider reviewing the notes with everyone before you wrap-up to make sure key points are captured.
5. **It's ok if people disagree** - your notes can reflect where people agreed on things and where they didn't.
6. **Upload your notes to the survey website by scanning the QR code or typing in the consultation URL.** Indicate that you are submitting feedback on behalf of a group.

www.toronto.ca/netzeroactionplan

Discussion Questions

Hotter, wetter, wilder weather - Climate Adaptation

Climate change adaptation refers to actions that aim to reduce the negative impacts of climate change. These changes can be done at the 'systems' level (by governments, organizations, and the private sector) and also by individual actions that residents take. Examples of individual action include:

- Signing up for or using weather alerts to help you plan your day
- Installing or more frequently using air conditioning
- Seeking out City cooling centres or other air-conditioned spaces
- Driving, carpooling, or utilizing rideshare/taxi or public transit to a
- Managing increased amounts of rainfall/water on and around your property (improving drainage, tree planting or other landscaping, installing s in watertight container etc.)

1. Is the hotter, wetter, wilder weather impacting you? If so, how?

2. What changes (if any) have you made in your day-to-day life to ad

3. Are there any barriers or challenges you have faced to adapt to the make significant changes, I don't know where to start, there are no don't control decision making in my residence/building/office, oth

4. What resources and supports have you accessed to assist you in o the changing climate? (e.g., financial incentives, information, traini cooling centres, tree planting program, other)

5. What additional resources and supports would assist you in overc changing climate? (e.g., financial incentives, information, training f cooling centres, tree planting program, other)

Discussion Questions

Reducing greenhouse gas emissions - Climate Mitigation

Climate mitigation refers to reducing greenhouse gas emissions that cause climate change. These changes can also be done at the 'systems' level (by governments, organizations, and the private sector) and by individual actions that residents take.

Examples of individual action include:

- Replacing gas furnaces and boilers with electric heat pumps
- Improving home and building insulation and windows
- Generating renewable (solar) energy
- Replacing gas and diesel vehicles with electric vehicles
- Taking alternative forms of transportation such as transit, wa
- Reducing waste

1. What changes (if any) have you been making in your day-to-

2. Are there any barriers or challenges you have faced to reduc make significant changes, I don't know where to start, there a don't control decision making in my residence/building/office

Tell us about your group

1. How do the people in your group know each other?
2. What is the name of your group or organization?
3. How many people participated in the group discussion?
4. Any other notes about your group?

Tips on holding a group discussion

- ❑ **Set a time and place** for connecting with friends, family, neighbours, co-workers and/or others (it could be people on your sports team, at your place of worship, at school – whatever makes sense for you).
- ❑ **Use the Info Sheet** to share more information about the public consultation.
- ❑ **Encourage everyone to participate** and share their experiences and perspectives.



TransformTO Public Consultation Info Sheet
November 2024 - January 2025



From <https://www.theglobeandmail.com/canada/article-toronto-flooding-power-outage-storm/> From <https://secrettoronto.co/toronto-heat-warming/>

Our climate is changing.

The City of Toronto is creating the next Action Plan for the TransformTO Net Zero Strategy, our community-wide long-term climate strategy.

Help us understand your experiences and learn more about what we can do, together. Actions we take now will help us reduce our emissions to reach our climate targets, while preparing for and adapting to the changing weather conditions for current and future generations.

The climate crisis grows more urgent every year

Fuelled by greenhouse gas (GHG) emissions, 2023 was the hottest year on record globally. Extreme heat, wildfire, flooding, and storm events in Toronto, across Canada, and worldwide show how harmful and costly these weather events can be.

At the same time, the City of Toronto is leading important work to reduce our contribution of greenhouse gas emissions that lead to climate change. Our aim is to create a future Toronto that is zero-carbon, equitable, healthy, prosperous and resilient.

Preparing for the impacts of climate change, and reducing our contribution to these changes, is going to take a community-wide effort.



We want to hear from you!

This information sheet is part of the City's ongoing public consultation efforts on addressing climate change. Please take a moment to share your experiences and perspectives with us. It will help us achieve our community-wide climate goals, together.

**Attend a webinar**
Wed, Nov 13, 7 – 8 pm
Tues, Nov 19, 4 – 5 pm
Scan QR code or visit website to register.

**Complete the survey**
Deadline is January 31, 2025.
Scan QR code or visit website for link.

**Host a group discussion**
Connect with others to discuss.
Scan QR code or visit website for tips.



Scan QR code or visit website to register for the webinar, to find the survey link, or to read our Group Discussion Guide!

www.toronto.ca/netzeroactionplan

1

Tips on holding a group discussion

- ❑ **Make sure that you take notes** (using the Discussion Guide or you can take notes directly in the online survey form). Consider reviewing the notes with everyone before you wrap-up to make sure key points are captured.
- ❑ **It's ok if people disagree** – your notes can reflect where people agreed on things and where they didn't.
- ❑ **Upload your note to the survey website** by scanning the QR code or typing in the consultation URL.



www.toronto.ca/netzeroactionplan

Resources for you:

- The TransformTO Net Zero Strategy Action Plan website
- The Info Sheet + Group Discussion Guide (includes all the content you need to know)
- This online orientation session (recording will be posted on the website)
- The E&C team for any questions
transform@toronto.ca

Group Discussion Guide – Discussion Questions

Three sets of questions on Weather (Climate Adaptation), Emissions (Climate Mitigation) and Questions About your Group

Discussion Questions

Hotter, wetter, wilder weather – Climate Adaptation

Climate change adaptation refers to actions that aim to reduce the negative impacts of climate change. These changes can be done at the 'systems' level (by governments, organizations, and the private sector) and also by individual actions that residents take. Examples of individual action include:

- Signing up for or using weather alerts to help you plan your day
- Installing or more frequently using air conditioning
- Seeking out City cooling centres or other air-conditioned spaces
- Driving, carpooling, or utilizing rideshare/taxi or public transit to avoid walking or cycling in the heat
- Managing increased amounts of rainfall/water on and around your residence or place of business (installing or improving drainage, tree planting or other landscaping, installing sump pump, storing valuables off the floor or in watertight container etc.)

1. Is the hotter, wetter, wilder weather impacting you? If so, how?
2. What changes (if any) have you made in your day-to-day life to adapt to the changing climate?
3. Are there any barriers or challenges you have faced to adapt to the changing climate? (e.g., cannot afford to make significant changes, I don't know where to start, there are not enough incentives from the government, I don't control decision making in my residence/building/office, other)
4. What resources and supports have you accessed to assist you in overcoming barriers or challenges to adapt to the changing climate? (e.g., financial incentives, information, training from City or other levels of government, cooling centres, tree planting program, other)
5. What additional resources and supports would assist you in overcoming barriers or challenges to adapt to the changing climate? (e.g., financial incentives, information, training from City or other levels of government, cooling centres, tree planting program, other)

Discussion Questions

Reducing greenhouse gas emissions – Climate Mitigation

Climate mitigation refers to reducing greenhouse gas emissions that cause climate change. These changes can also be done at the 'systems' level (by governments, organizations, and the private sector) and by individual actions that residents take.

Examples of individual action include:

- Replacing gas furnaces and boilers with electric heat pumps
- Improving home and building insulation and windows
- Generating renewable (solar) energy
- Replacing gas and diesel vehicles with electric vehicles
- Taking alternative forms of transportation such as transit, walking and cycling
- Reducing waste

1. What changes (if any) have you been making in your day-to-day life in order to reduce your GHG emissions?
2. Are there any barriers or challenges you have faced to reducing your GHG emissions? (e.g., cannot afford to make significant changes, I don't know where to start, there are not enough incentives from the government, I don't control decision making in my residence/building/office, other)

3. What resources and/or supports have you accessed to help you overcome barriers or challenges to reducing your GHG emissions? (e.g., financial incentives, information, training from City or other levels of government, other)

4. What additional resources and/or supports that would assist you in overcoming barriers or challenges to reducing your emissions? (e.g., financial incentives, information, training from City or other levels of government, other)

Tell us about your group

1. How do the people in your group know each other?
2. What is the name of your group or organization?
3. How many people participated in the group discussion?
4. Any other notes about your group?

Group Discussion Guide – Discussion Questions on Climate Adaptation

Discussion Questions

Hotter, wetter, wilder weather – Climate Adaptation

Climate change adaptation refers to actions that aim to reduce the negative impacts of climate change. These changes can be done at the 'systems' level (by governments, organizations, and the private sector) and also by individual actions that residents take. Examples of individual action include:

- Signing up for or using weather alerts to help you plan your day
- Installing or more frequently using air conditioning
- Seeking out City cooling centres or other air-conditioned spaces
- Driving, carpooling, or utilizing rideshare/taxi or public transit to avoid walking or cycling in the heat
- Managing increased amounts of rainfall/water on and around your residence or place of business (installing or improving drainage, tree planting or other landscaping, installing sump pump, storing valuables off the floor or in watertight container etc.)

1. Is the hotter, wetter, wilder weather impacting you? If so, how?
2. What changes (if any) have you made in your day-to-day life to adapt to the changing climate?
3. Are there any barriers or challenges you have faced to adapt to the changing climate? (e.g., cannot afford to make significant changes, I don't know where to start, there are not enough incentives from the government, I don't control decision making in my residence/building/office, other)
4. What resources and supports have you accessed to assist you in overcoming barriers or challenges to adapt to the changing climate? (e.g., financial incentives, information, training from City or other levels of government, cooling centres, tree planting program, other)
5. What additional resources and supports would assist you in overcoming barriers or challenges to adapt to the changing climate? (e.g., financial incentives, information, training from City or other levels of government, cooling centres, tree planting program, other)

Hotter, wetter, wilder weather – Climate Adaptation

Climate change adaptation refers to actions that aim to reduce the negative impacts of climate change. These changes can be done at the 'systems' level (by governments, organizations, and the private sector) and also by individual actions that residents take. Examples of individual action include:

- Signing up for or using weather alerts to help you plan your day
- Installing or more frequently using air conditioning
- Seeking out City cooling centres or other air-conditioned spaces
- Driving, carpooling, or utilizing rideshare/taxi or public transit to avoid walking or cycling in the heat
- Managing increased amounts of rainfall/water on and around your residence or place of business (installing or improving drainage, tree planting or other landscaping, installing sump pump, storing valuables off the floor or in watertight container etc.)

1. Is the hotter, wetter, wilder weather impacting you? If so, how?

2. What changes (if any) have you made in your day-to-day life to adapt to the changing climate?

3. Are there any barriers or challenges you have faced to adapt to the changing climate? (e.g., cannot afford to make significant changes, I don't know where to start, there are not enough incentives from the government, I don't control decision making in my residence/building/office, other)

4. What resources and supports have you accessed to assist you in overcoming barriers or challenges to adapt to the changing climate? (e.g., financial incentives, information, training from City or other levels of government, cooling centres, tree planting program, other)

5. What additional resources and supports would assist you in overcoming barriers or challenges to adapt to the changing climate? (e.g., financial incentives, information, training from City or other levels of government, cooling centres, tree planting program, other)

Discussion Questions

Reducing greenhouse gas emissions – Climate Mitigation

Climate mitigation refers to reducing greenhouse gas emissions that cause climate change. These changes can also be done at the 'systems' level (by governments, organizations, and the private sector) and by individual actions that residents take.

Examples of individual action include:

- Replacing gas furnaces and boilers with electric heat pumps
- Improving home and building insulation and windows
- Generating renewable (solar) energy
- Replacing gas and diesel vehicles with electric vehicles
- Taking alternative forms of transportation such as transit, walking and cycling
- Reducing waste

1. What changes (if any) have you been making in your day-to-day life in order to reduce your GHG emissions?

2. Are there any barriers or challenges you have faced to reducing your GHG emissions? (e.g., cannot afford to make significant changes, I don't know where to start, there are not enough incentives from the government, I don't control decision making in my residence/building/office, other)

Reducing greenhouse gas emissions – Climate Mitigation

Climate mitigation refers to reducing greenhouse gas emissions that cause climate change. These changes can also be done at the 'systems' level (by governments, organizations, and the private sector) and by individual actions that residents take.

Examples of individual action include:

- Replacing gas furnaces and boilers with electric heat pumps
- Improving home and building insulation and windows
- Generating renewable (solar) energy
- Replacing gas and diesel vehicles with electric vehicles
- Taking alternative forms of transportation such as transit, walking and cycling
- Reducing waste

1. What changes (if any) have you been making in your day-to-day life in order to reduce your GHG emissions?

2. Are there any barriers or challenges you have faced to reducing your GHG emissions? (e.g., cannot afford to make significant changes, I don't know where to start, there are not enough incentives from the government, I don't control decision making in my residence/building/office, other)

3. What resources and/or supports have you accessed to help you overcome barriers or challenges to reducing your GHG emissions? (e.g., financial incentives, information, training from City or other levels of government, other)

4. What additional resources and/or supports that would assist you in overcoming barriers or challenges to reducing your emissions? (e.g., financial incentives, information, training from City or other levels of government, other)

3. What resources and/or supports have you accessed to help you overcome barriers or challenges to reducing your GHG emissions? (e.g., financial incentives, information, training from City or other levels of government, other)

4. What additional resources and/or supports that would assist you in overcoming barriers or challenges to reducing your emissions? (e.g., financial incentives, information, training from City or other levels of government, other)

Tell us about your group

1. How do the people in your group know each other?
2. What is the name of your group or organization?
3. How many people participated in the group discussion?
4. Any other notes about your group?

Tell us about your group

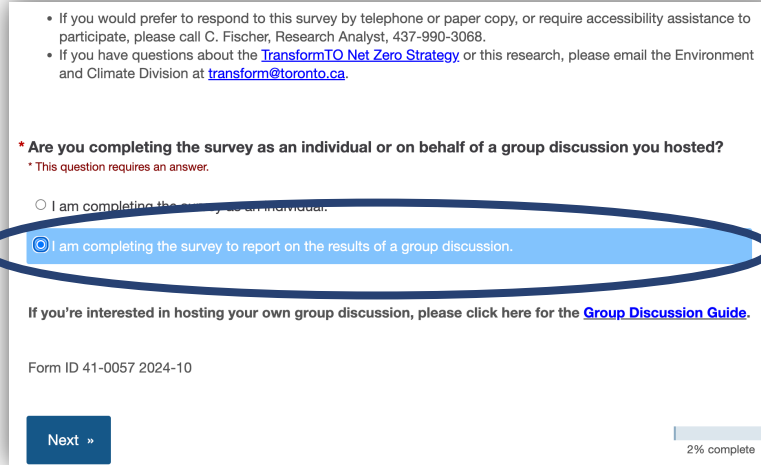
1. How do the people in your group know each other?
2. What is the name of your group or organization?
3. How many people participated in the group discussion?
4. Any other notes about your group?

How to report on your group discussion

Follow the steps below to submit your group discussion feedback to the City of Toronto!



- Head to the TransformTO Website by scanning the QR code on the Discussion Guide or by searching for www.toronto.ca/netzeroactionplan
- Click on “Complete a Survey”.



- Click on “I am completing the survey to report on the results of a group discussion”, then “Next”.

A screenshot of the “Group Discussion Section” of the survey. The section title is “Group Discussion Section”. Below it is a paragraph: “The following questions are for those completing this survey on behalf of a group discussion that was hosted. Please also complete an additional survey as an individual, should you choose.”. There is a note: “* * This question requires an answer. Please do not include any personal information in your responses such as your name, email address or telephone number.”. The questions are: “What is the name of the group or organization that hosted the discussion? (If not a formal organization, please include an identifying name: e.g. “Any Street Neighbours Group”).”, “How many people participated in the discussion?”, “How do people in your group know each other?”, and “Any other notes about your group?”. Each question has a text input field. At the bottom, there is a link: “Hotter, wetter, wilder weather – Climate Adaptation”.

- Answer the questions by using the notes you took during your group discussion. These questions match the Group Discussion Guide.

For additional support:

If you require accessibility assistance to upload the feedback received, please call C. Fischer, Research Analyst, 437-990-3068.

Contact

Environment and Climate Division
transform@toronto.ca



Call **3.1.1**

