

WEBINAR: ALARM TO ACTION

Lessons from the GTHA
Carbon Emissions Inventory

MARCH 18, 2021



About The Atmospheric Fund

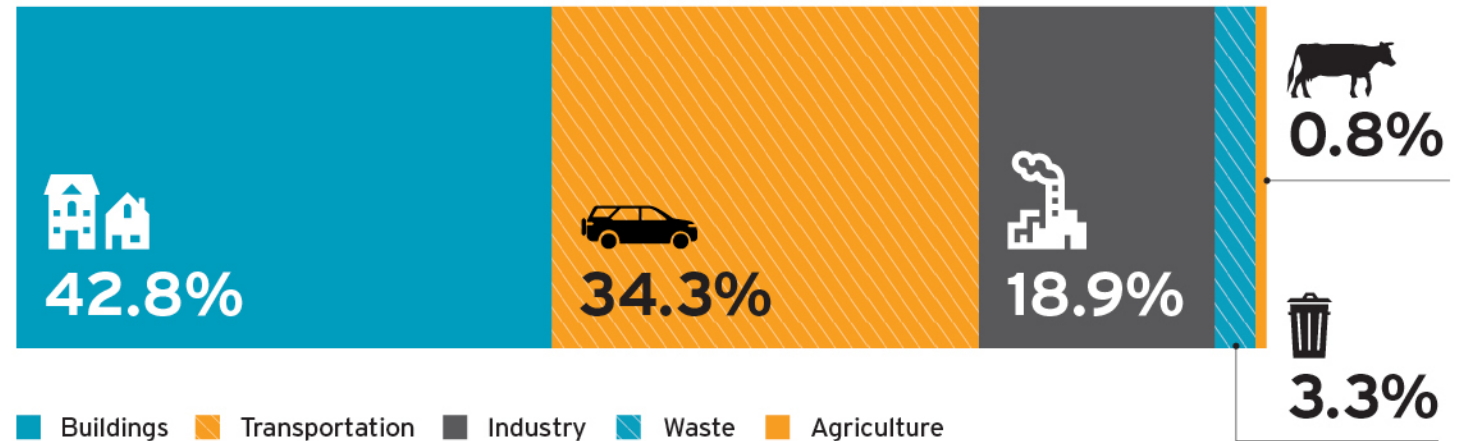
As a regional climate agency, TAF invests in low-carbon solutions for the Greater Toronto and Hamilton Area and helps scale them up for broad implementation.



What emissions are counted in the report?

It includes **Scope 1** and **Scope 2** emissions only.

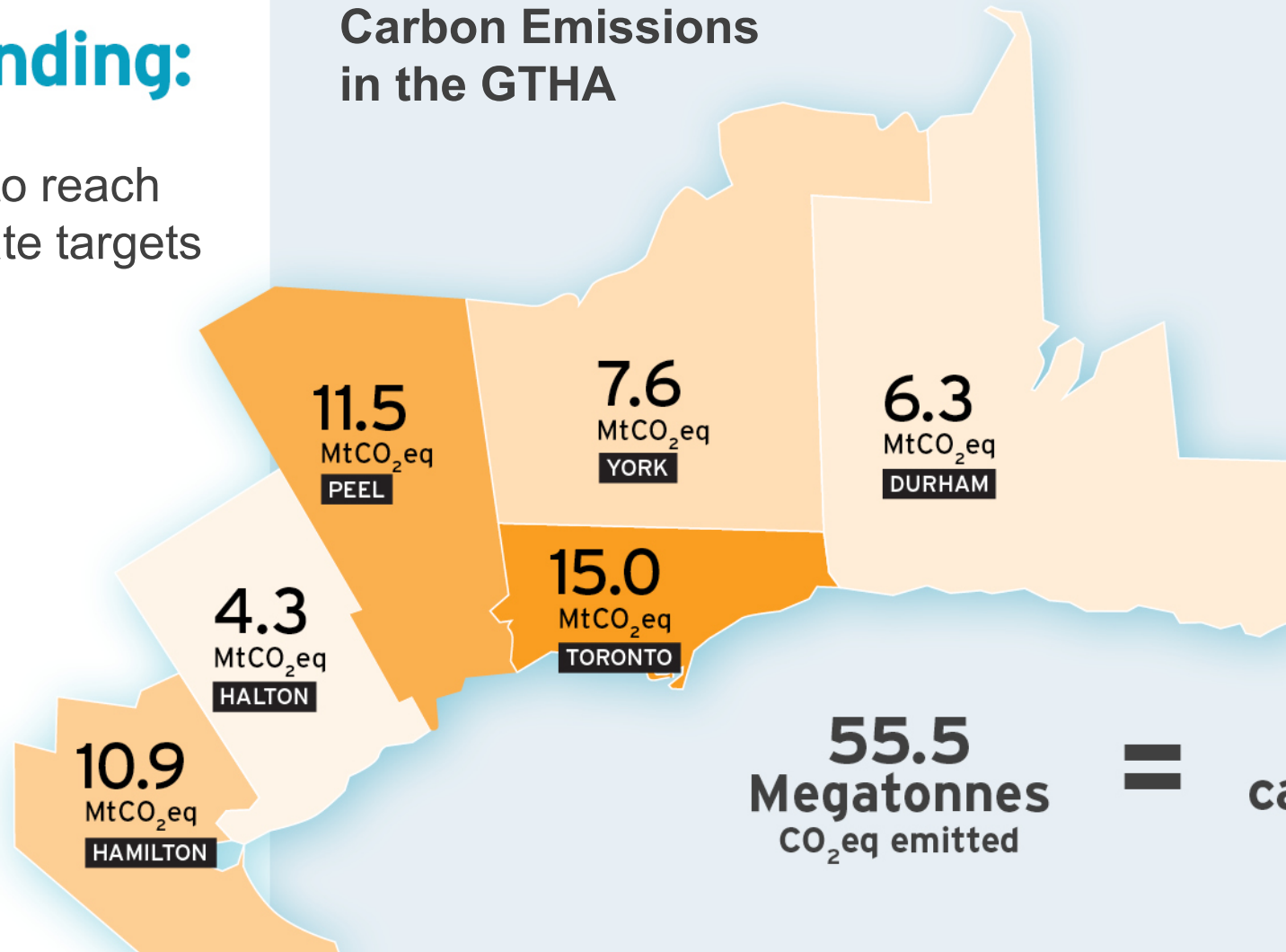
Total emissions by sector in the GTHA



Key report finding:

We are not on track to reach 2030 and 2050 climate targets

Carbon Emissions in the GTHA



44%
of Ontario's total
carbon emissions
from GTHA

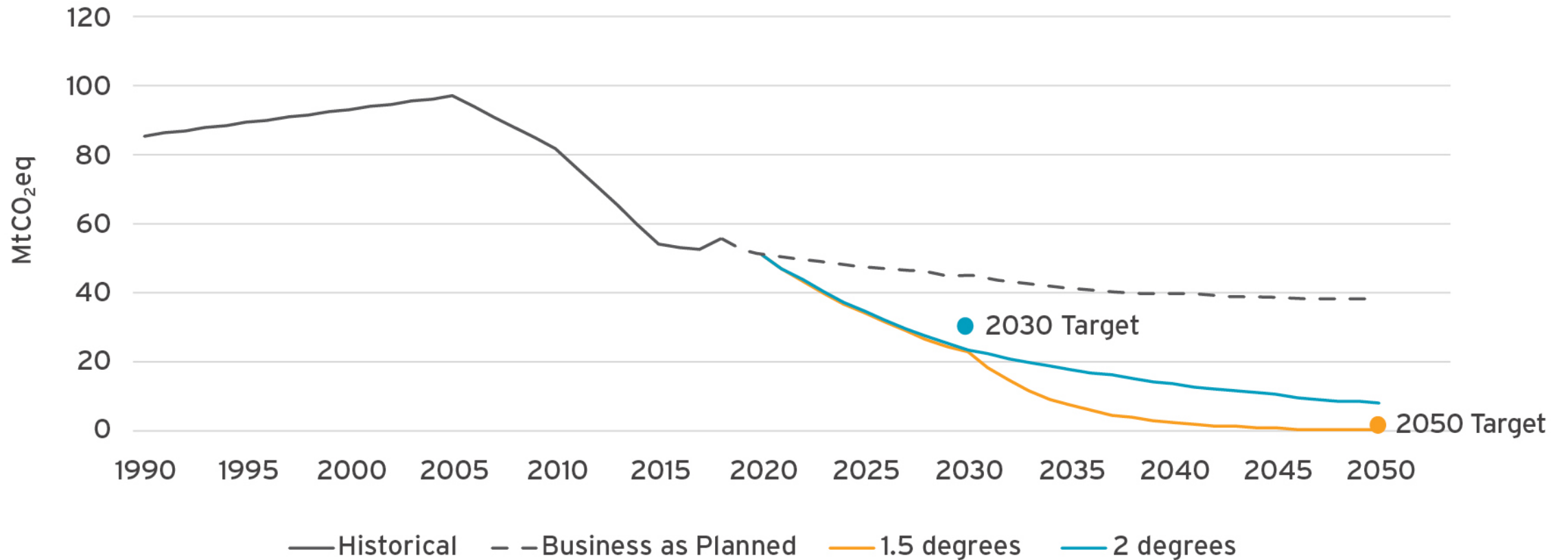
▲
**Emissions
increased
5.2%**

55.5
Megatonnes
CO₂eq emitted

=

11M
cars on the road
for one year

Where we are and where we need to be



**Emissions from
natural gas
increased by 11%
and account for
40% of total
emissions**





Our electricity supply is getting dirtier with increasing supply from U.S. fracked gas

- 4.8% increase in electricity consumption resulted in **57% increase in emissions**

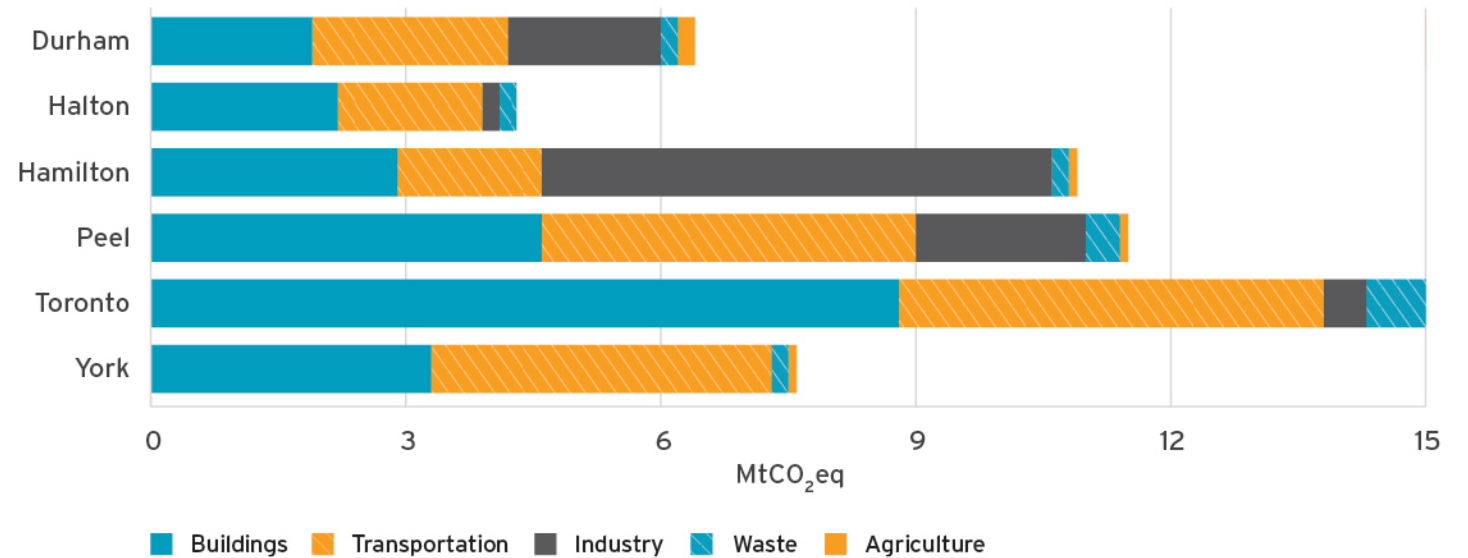


Emissions from transportation increased about 1%, accounting for 34% of total emissions

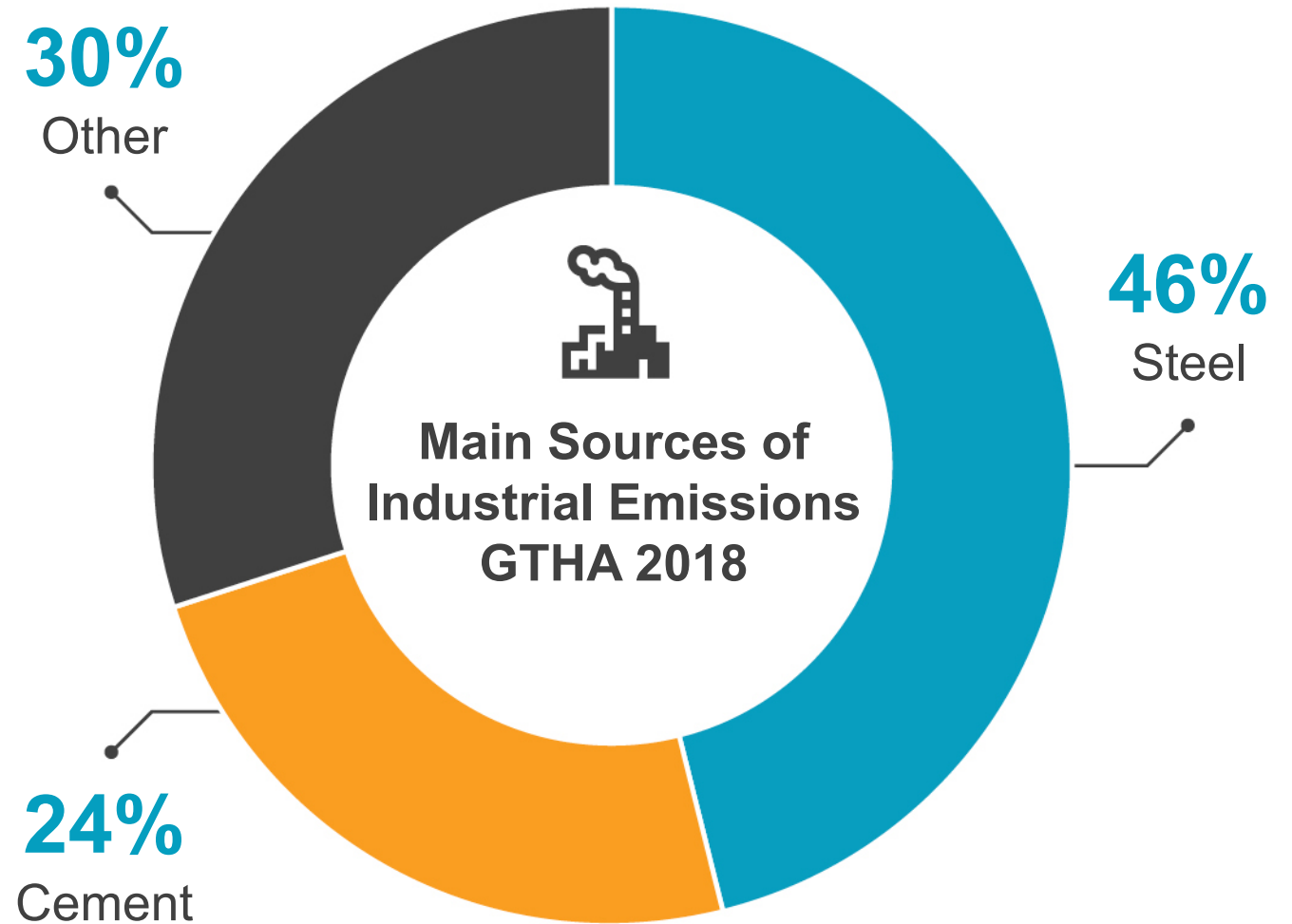
- Transportation emissions overall have been growing at **1-2%** every year, despite cleaner fuels and more efficient vehicles.
- **78%** of emissions come from personal vehicles



Emissions by municipality and sector



Where do most industrial emissions come from?



Enabling policy solutions to achieve net-zero by 2050



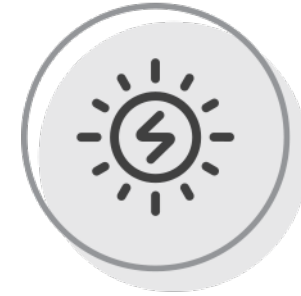
NEW CONSTRUCTION

All new buildings should be built to near zero standards



EXISTING BUILDINGS

Accelerate deep retrofits in existing buildings



CLEAN ELECTRIFICATION

We need to electrify heating and transportation, at the same time we decarbonize electricity production

Q&A

Contact us to join our technical Community of Practice on GHG quantification, the Carbon Data Network.



Bryan Purcell

VP, Policy and Programs
bpurcell@taf.ca



Maryam Shekarrizfard

*Carbon & Co-Benefits
Quantification Manager*
mshekarrizfard@taf.ca



Juan Sotes

*Carbon & Co-Benefits
Quantification Analyst*
jsotes@taf.ca

Welcome Panelists



Adriane Carr

*City Councillor
City of Vancouver*



Jade Schofield

*Project Manager
Sustainability and
Climate Change,
Town of Whitby*



**Sarah
Buchanan**

*Ontario Climate
Program Manager
Environmental
Defence*



Akua Schatz

*Vice President
Engagement and
Advocacy,
Canada Green
Building Council*

THANK YOU

Get the latest from TAF:

 @AtmosphericFund | TAF.ca/subscribe

