

November 18, 2025

# Inside the Inventory

TRANSPORTATION

BUILDINGS

INDUSTRY

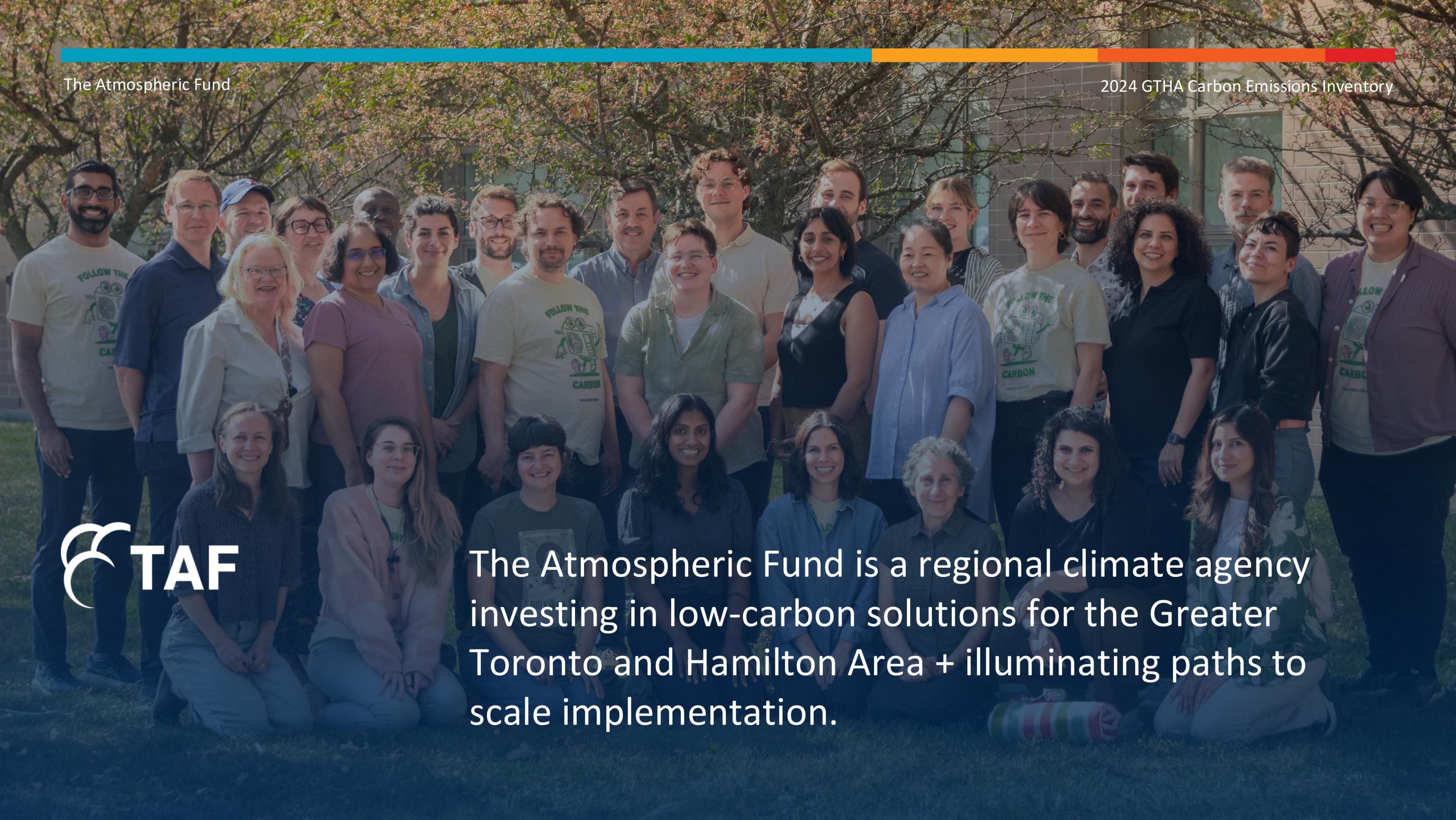
ELECTRICITY

WASTE

AGRICULTURE



## Results & Recommendations



The Atmospheric Fund is a regional climate agency investing in low-carbon solutions for the Greater Toronto and Hamilton Area + illuminating paths to scale implementation.

# Meet the team



Bryan Purcell  
VP, Policy & Programs



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Ph.D. (Eng)  
Director, Research &  
Innovation



Maryam Shekarrizfard  
Manager, Research &  
Innovation



Patrick Ronan  
Analyst, Research & Innovation

# Context

## Decision making



Understand where emissions come from to inform decision making

## Knowledge sharing



Share findings with broad group of stakeholders

## Policy making



Support the development of our policy recommendations



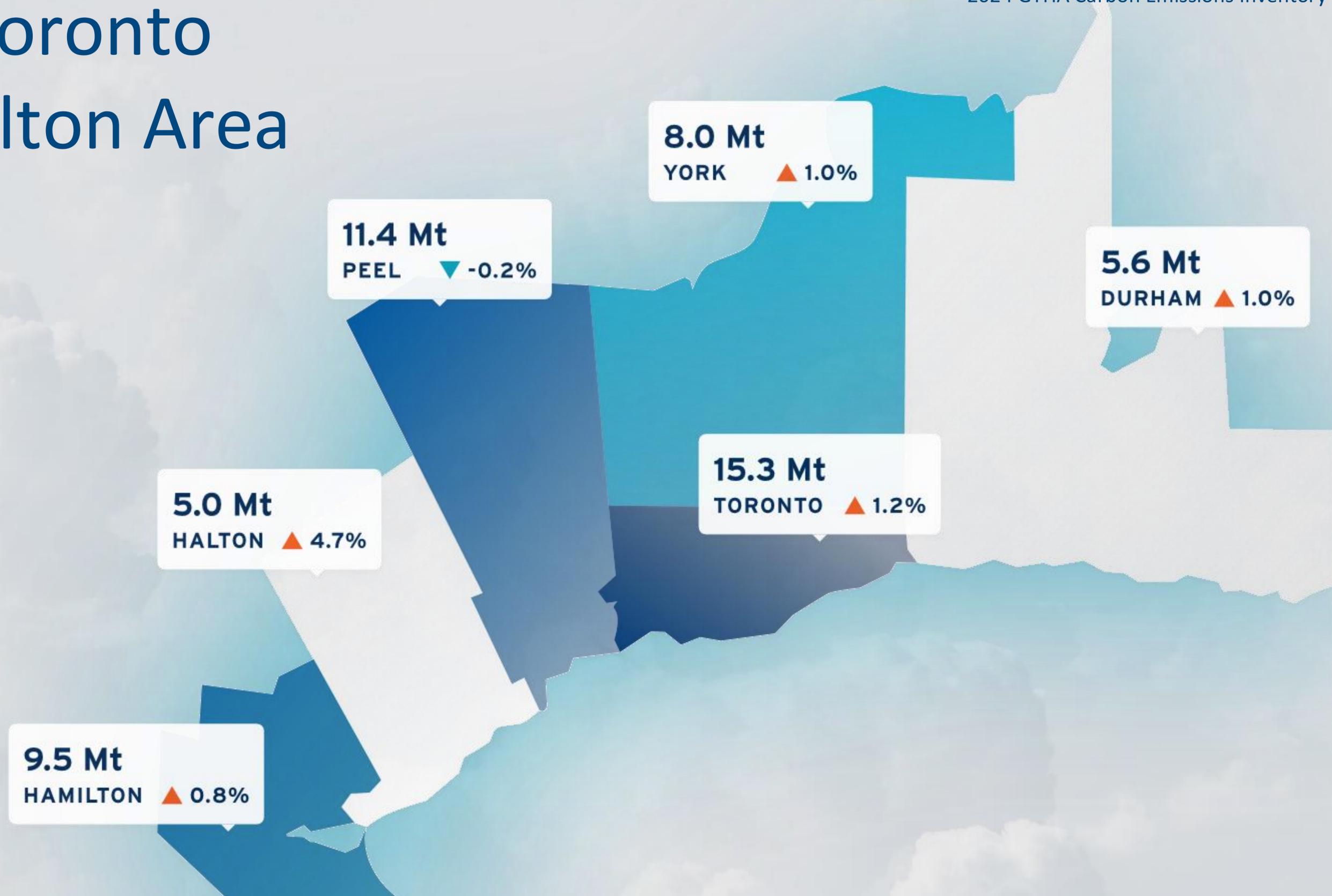
# Results

**54.7 million tons**

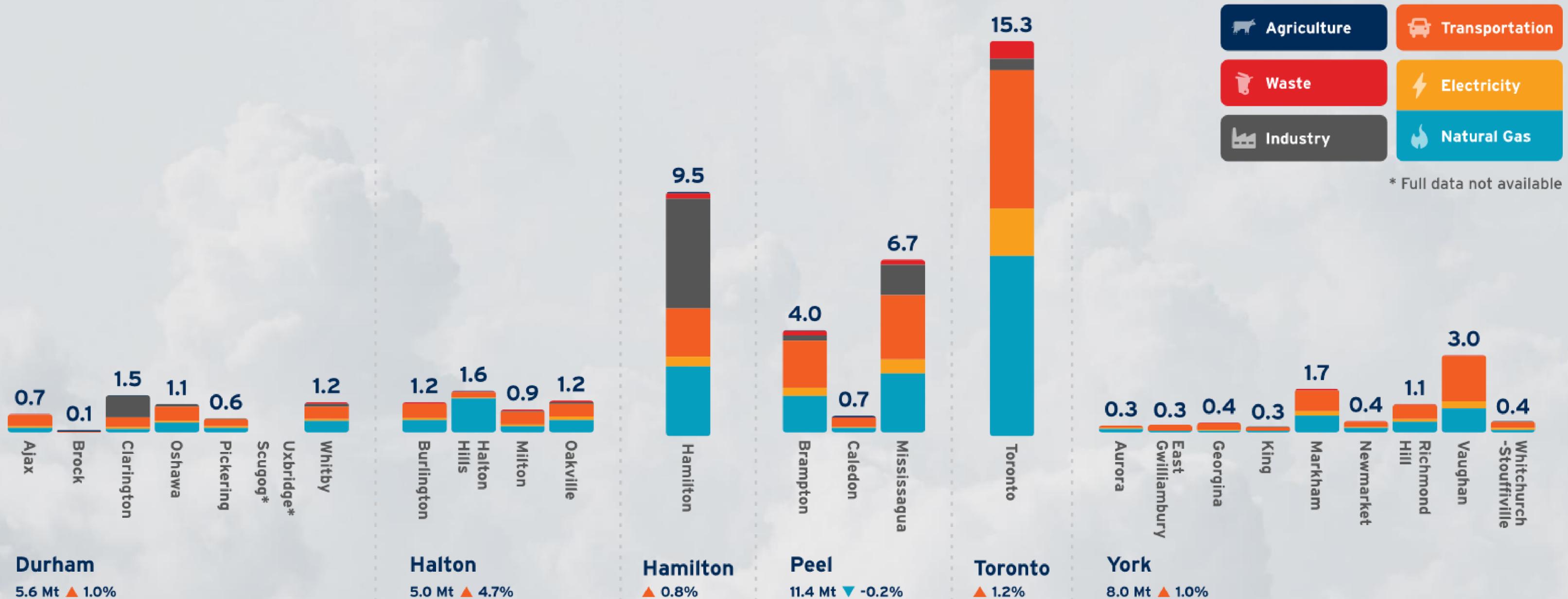
▲ 1.1% increase in 2024

▼ 11% average annual change needed to meet 2030 target

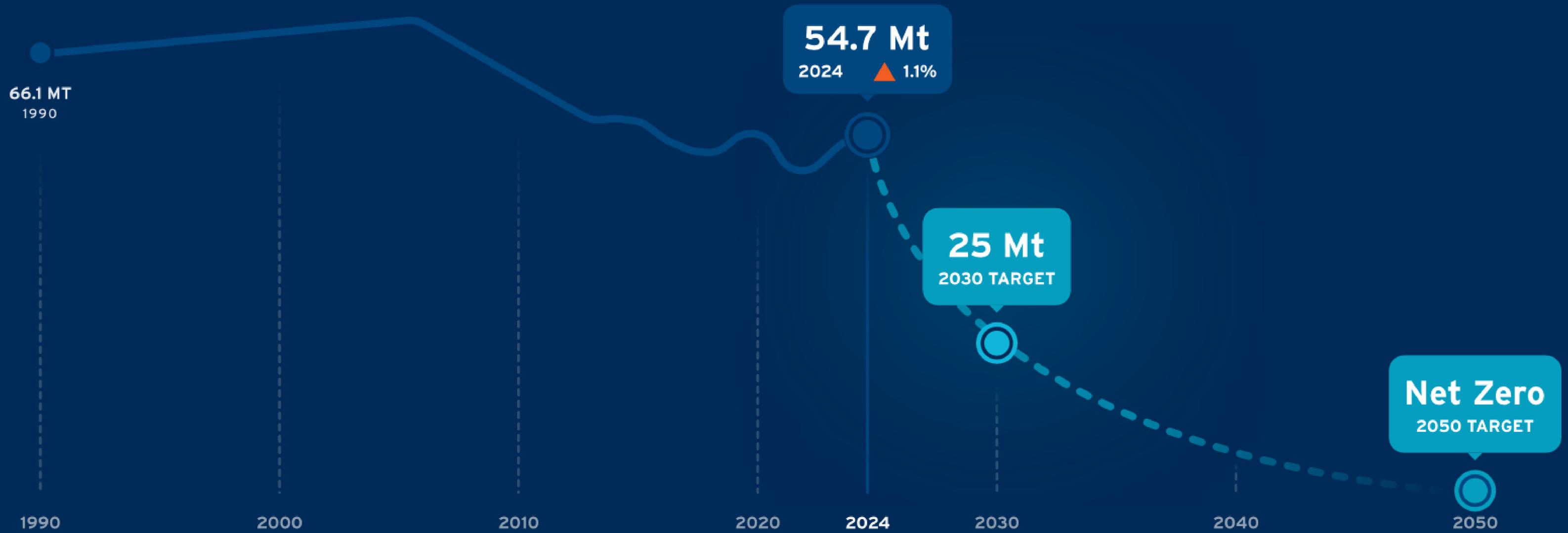
# Greater Toronto and Hamilton Area



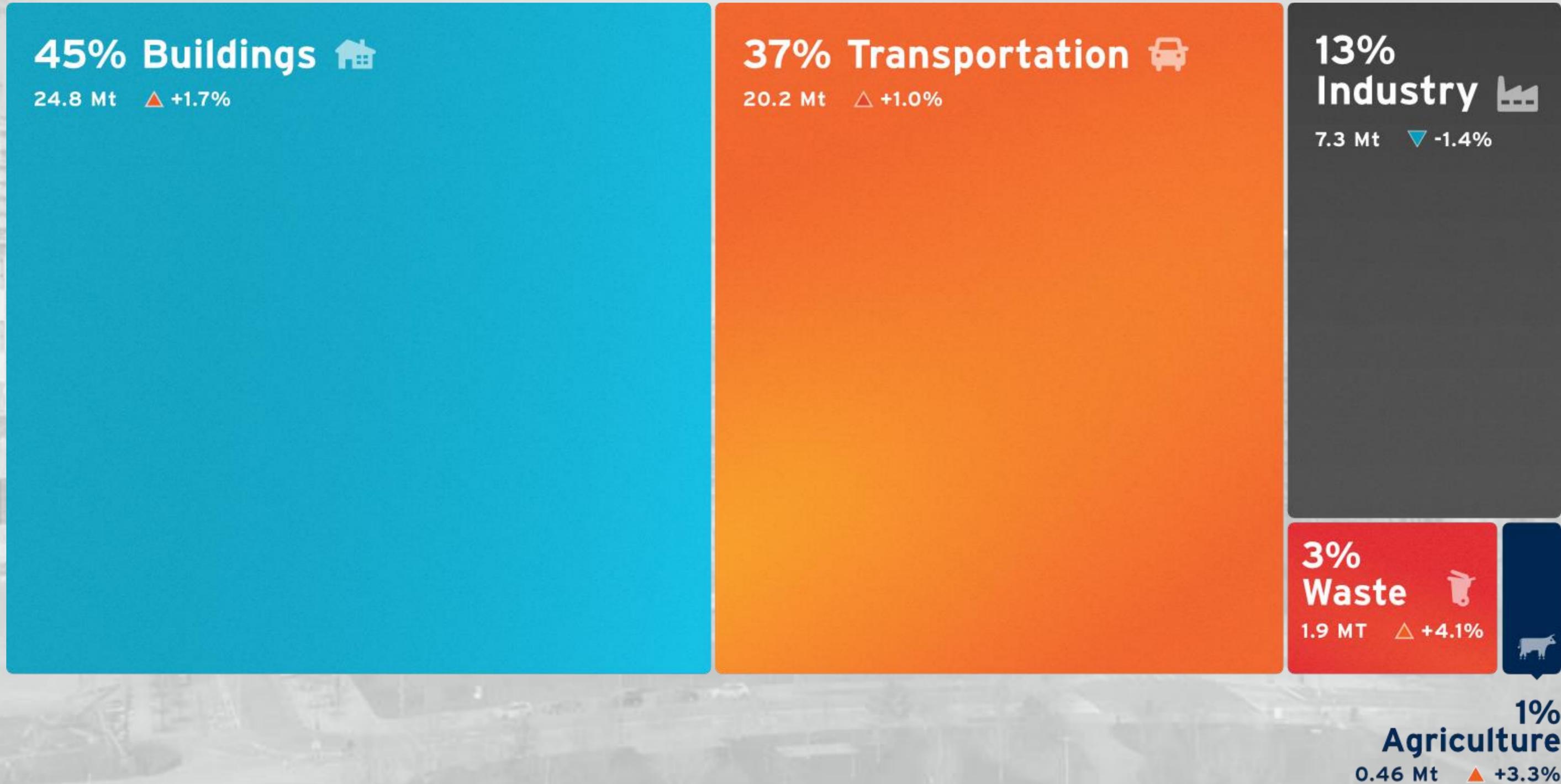
# Regional Breakdown



# Pathway to Net Zero



# Sectors





# Buildings

**24.8 million tons**

▲ 1.7% increase in 2024

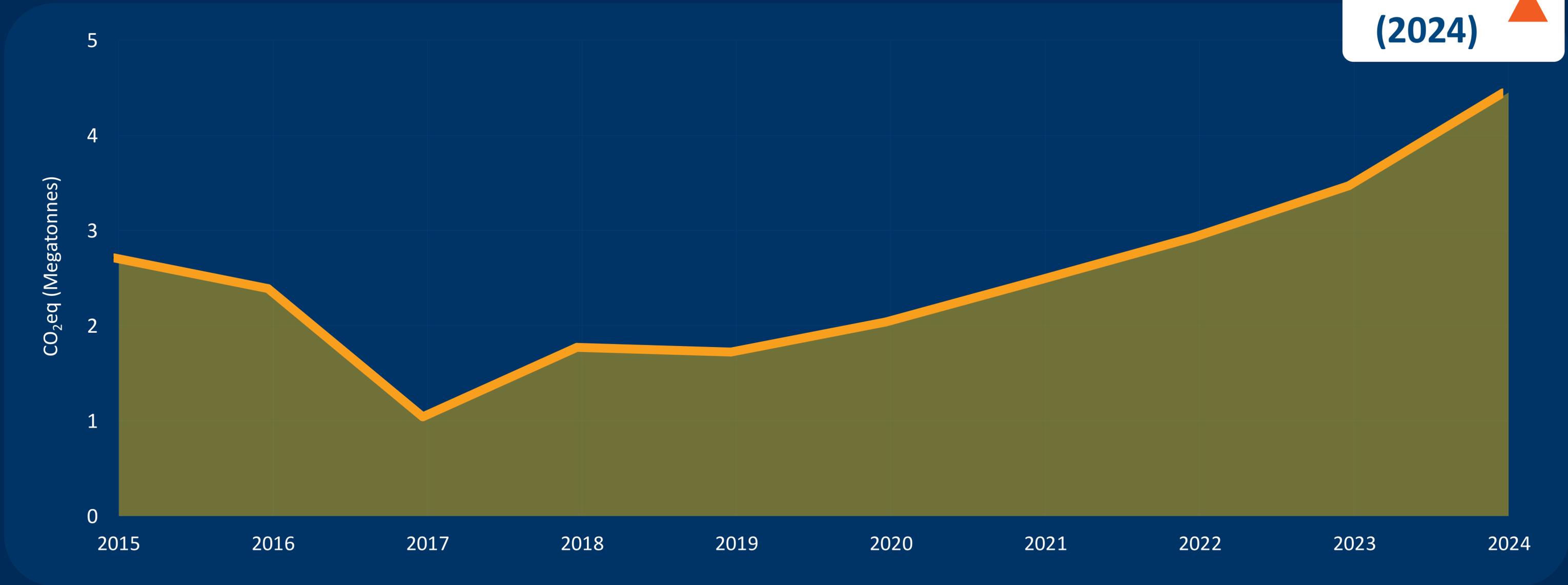
▼ 3% decrease in per capita emissions



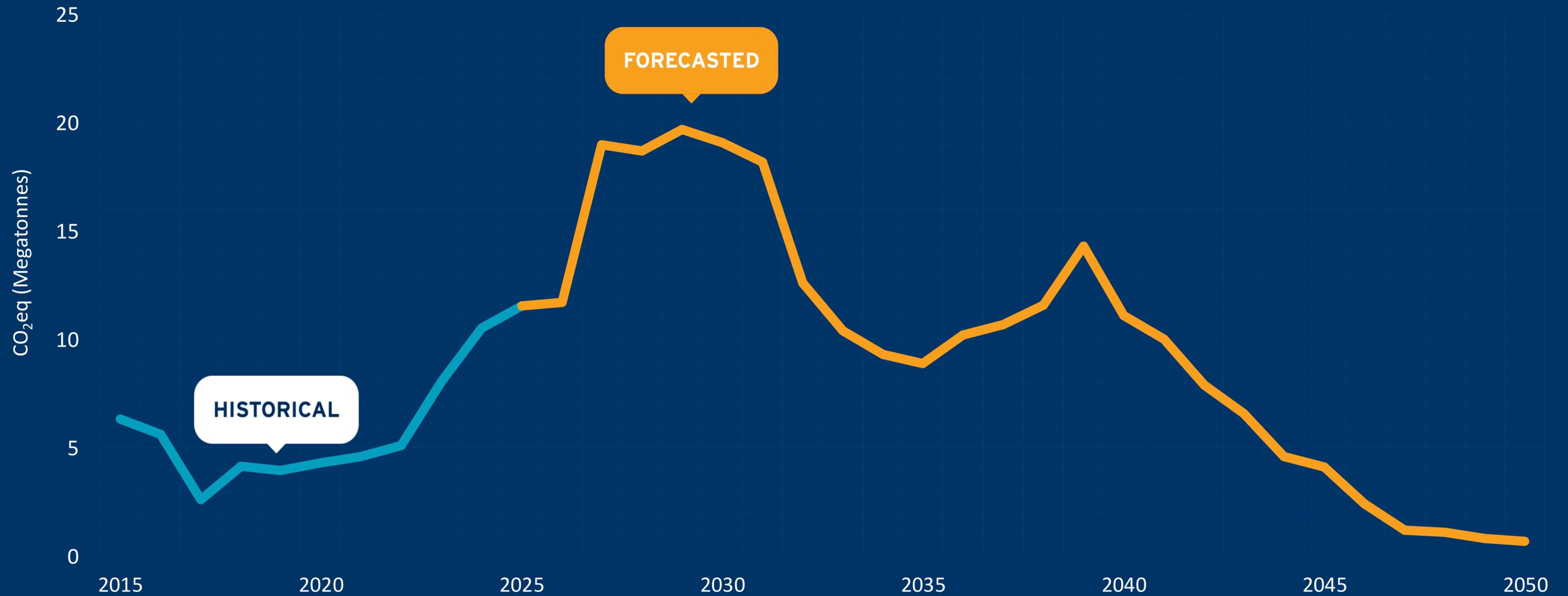
# Electricity

# Electricity Emissions 2015-2024

**+28%**  
**(2024)** ▲



# Electricity Forecast





# Transportation

**20.2 million tons**

▲ 1.0% increase in 2024

▼ 3.1% decrease in per capita emissions

# The Good News

## EV Registrations

▲ 34%

Increase in battery electric vehicles

98,866 vehicles were registered in 2024

▲ 41%

Increase in plug-in hybrid vehicles

30,320 vehicles were registered in 2024

## Transit Ridership

▲ 9%

130% increase compared to the low in 2021

13% below pre-pandemic level in 2019



# Climate Action Priorities

# Municipal Priorities

## Buildings

- Implement and manage compliance with Green Development Standards
- Implement emissions performance standards for existing buildings, starting with reporting and benchmarking



## Zoning

- Remove barriers to climate action from zoning bylaws and permitting processes
- Streamline permitting process for solar, storage, and heat pump installations



## Transportation

- Support EV charging and prioritize active transportation and transit
- Require 100% EV-ready parking in all new residential parking and 25% for non-residential parking



# Provincial Priorities

## Electricity

- Prioritize development of clean utility-scale and local electricity supply
- Pursue all cost-effective demand-side measures



## Buildings

- Modernize and standardize building codes across the province in collaboration with municipalities



## Transportation

- Accelerate electric vehicle adoption with strategic funding



## Climate Plan

- Establish a climate plan and targets and a process to report progress against them



# Federal Priorities

## Electricity

- Strengthen the Clean Electricity Regulation
- Develop the interprovincial electricity grid and invest in cost effective peak demand response



## Transportation

- Invest in electric vehicle adoption and infrastructure
- Maintain the Electric Vehicle Availability Standard



## Buildings

- Updated national codes with timelines that support the eventual phaseout of gas-fired equipment
- Require all BCH supported housing to meet the highest tiers of the national codes



# Q+A



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# Thank you!

Get the report: [carbon.taf.ca](https://carbon.taf.ca)



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