



# 2024 Emissions Inventory

In support of the Net-Zero Challenge (NZC)

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## GHG EMISSIONS INVENTORY

Consumption Data Summary:			
	Unit	Amount Consumed in Baseline Year (2023)	Amount Consumed in 2024:
Natural Gas	m3	8,026	7,672
Electricity	kWh	76,513	88,858
<b>GHG Emissions:</b>			
<b>Scope 1:</b> Natural Gas	tCO2e	15.5	14.8
<b>Scope 2:</b> Electricity (Location-based)	tCO2e	2.7	3.1
<b>TOTAL</b>	tCO2e	18.2	17.9

*Note that the above table reflects Maplesoft's emissions within Canada. It does not reflect any international emissions outside of Canada.*

**Methodology:**

- **Approach and Boundary:** Our greenhouse gas inventory is calculated using the operational control approach, as outlined by the World Resources Institute and World Business Council for Sustainable Development's [Greenhouse Gas Protocol](#). The organizational boundary of this inventory includes data from our Canadian operations.

Carbon dioxide, methane and nitrous oxide are included in all emission totals for natural gas. Our base year is 2023.

- **Consumption Measurements:** Energy consumption data (electricity and natural gas) for our corporate office were obtained from utility bills and prorated based on area occupied.
- **Emissions Calculations:** All emissions were calculated using the global warming potential (GWP) values for the 100-year time horizon, from the [IPCC Sixth Assessment Report, 2021 \(AR6\)](#). Emissions from natural gas and electricity were calculated using emission factors from Environment and Climate Change Canada's [National Inventory Report 1990-2022: greenhouse gas sources and sinks in Canada](#).