Emissions Report

In support of Net Zero Challenge (NZC)

Maplesoft Consulting Inc.
o/a Maplesoft Group
Carling Executive Park
Suite 702, 1545 Carling Ave.
Ottawa, ON K1Z 8P9
www.maplesoftgroup.com

Contact Information:
Name: Nhu Ho, Director of Proposals
Phone: 613-226-9993
Fax: 613-226-8986
Email: proposals@maplesoftgroup.com

TABLE OF CONTENTS

1. NET ZERO TARGET

In keeping with Canada's national climate targets, Maplesoft Consulting Inc. is pleased to announce our participation in Environment and Climate Change Canada's Net Zero Challenge (NZC) with the goal of eliminating 100% of carbon emissions by the year 2050. In accordance with this challenge, Maplesoft plans to cut and ultimately eliminate all scope 1 and scope 2 carbon emissions by 2050.

Recognizing the urgent need to address climate change and its far-reaching impacts both locally and abroad, Maplesoft is taking proactive steps to significantly reduce and ultimately eliminate our carbon emissions footprint by 2050. This commitment aligns with the guiding principles of our organization as they relate to environmental sustainability and stewardship. By embracing this goal and participating in the NZC alongside the Canadian Government and other participating businesses, we are aligning ourselves with global efforts to combat climate change and pave the way for a more sustainable future.

1. ***Reducing Emissions:*** Maplesoft will prioritize efforts to reduce our greenhouse gas emissions across our operations. Research will be conducted to identify opportunities to cut emissions in alignment with our 2050 target.

2. ***Collaboration and Innovation:*** We recognize that achieving net zero requires collaboration and innovation. We will actively seek partnerships with like-minded organizations, share best practices, and explore new solutions to support the elimination of carbon emissions by 2050.

3. ***Transparent Reporting and Accountability:*** We are committed to transparency and accountability in our journey towards net zero. We will regularly monitor and report on our progress, openly sharing our status towards our goal and lessons learned along the way.

This commitment to net zero by 2050 represents a significant milestone in Maplesoft's sustainability journey. It underscores our unwavering dedication to responsible environmental stewardship and sets a positive example for our peers, partners, and the broader community.

2. BASELINE GHG EMISSIONS INVENTORY

Consumption Data Summary:		
	Unit	**Amount Consumed in Base Year (2023)**
Natural Gas	m3	8,026
Electricity	kWh	76,513
GHG Emissions:		
Scope 1: *Natural Gas*	tCO2e	16
Scope 2: Electricity (Location-based)	tCO2e	2
TOTAL	tCO2e	18

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

Refer to the energy consumption data on page 5 for a detailed breakdown of energy consumption by month.

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 1990-2021: greenhouse gas sources and sinks in Canada.

3. ENERGY CONSUMPTION

Electricity Usage		
Start Read Date DD-MMM-YY	**End Read Date DD-MMM-YY**	**Cons. (kWh)**
01-Jan-23	31-Jan-23	5,720.20
01-Feb-23	28-Feb-23	5,311.65
01-Mar-23	31-Mar-23	5,311.65
01-Apr-23	30-Apr-23	5,461.72
01-May-23	31-May-23	6,840.52
01-Jun-23	30-Jun-23	7,468.14
01-Jul-23	31-Jul-23	8,007.86
01-Aug-23	31-Aug-23	7,265.95
01-Sep-23	30-Sep-23	6,629.75
01-Oct-23	31-Oct-23	6,088.62
01-Nov-23	30-Nov-23	6,026.01
01-Dec-23	31-Dec-23	6,380.65
Natural Gas Usage		
Start Read Date DD-MMM-YY	**End Read Date DD-MMM-YY**	**Cons. (m3)**
01-Jan-23	31-Jan-23	1,170
01-Feb-23	28-Feb-23	1,446
01-Mar-23	31-Mar-23	1,147
01-Apr-23	30-Apr-23	774
01-May-23	31-May-23	738
01-Jun-23	30-Jun-23	278
01-Jul-23	31-Jul-23	1
01-Aug-23	31-Aug-23	2
01-Sep-23	30-Sep-23	1
01-Oct-23	31-Oct-23	367
01-Nov-23	30-Nov-23	838
01-Dec-23	31-Dec-23	1,264