

January
2023

Canada Carbon Reduction Plan

Supplier: Alinea International Ltd. (Canada)
Updated: January 2023



1 Carbon Reduction Plan

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Commitment to Achieving Net Zero: Alinea International Ltd. is committed to achieving Net Zero Greenhouse Gas (GHG) emissions by 2050.

1.1 Baseline Emissions Footprint (Canada) - 2019

Baseline emissions are a record of the GHG emissions that were generated in a preselected calendar year by the company prior to the introduction of any strategies for their reduction. Baseline emissions are the reference point against which emissions reductions are measured. The year 2019 was selected as the baseline year for Alinea Canada.

Baseline Year: 2019
Additional Details Relating to the Baseline Emissions Calculations
<p>This Carbon Reduction Plan, for Alinea Canada, covers emissions associated with Alinea International’s Canadian operations in Calgary, Alberta and Gatineau, Quebec, as well as the UK operations. UK emissions represent approximately one per cent of the Canadian operations. A companion Carbon Reduction Plan has been prepared for the UK operations.</p> <p>Alinea Canada evaluated its first carbon footprints in 2021 for the years 2019 (the baseline year), 2020 and 2021. The plans were prepared in accordance with Greenhouse Gas Protocol’s Corporate Accounting and Reporting Standard using the operational control consolidation approach. Scope 3 emissions were included for the following categories: upstream transportation and distribution, downstream transportation and distribution, business travel, homeworking, employee commuting, water treatment and supply, waste generated in operations, and transmission and distribution losses from Scope 2 energy.</p>

2019 Baseline Year Emissions (Canada)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	550
Scope 2	38.3
Scope 3 (Included Sources)	374
Total Emissions	962 tCO ₂ e

1.2 2020 Emissions Reporting (Canada)

2020 Emissions Reporting (Canada)
The 2020 assessment was carried out in accordance with PPN 06/21. The analyses found decreased emissions from the baseline year (962 tCO ₂ e) to 2020 (487.48 tCO ₂ e). This reduction can be attributed to the COVID-19 pandemic and the resultant global air travel restrictions introduced from March 2020 onward.

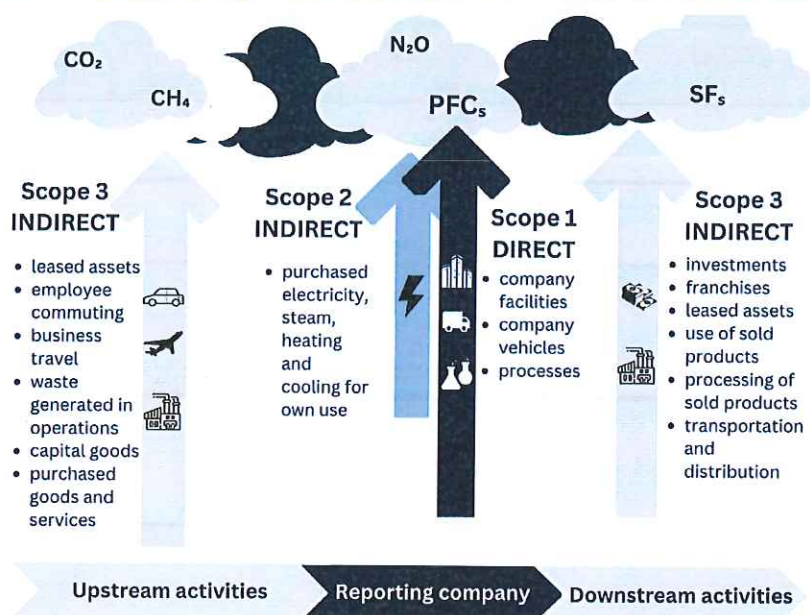
2020 Emissions (Canada)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	378
Scope 2	66.8
Scope 3 (Included Sources)	42.2
Total Emissions	487.48 tCO ₂ e

1.3 2021 Emissions Reporting (Canada)

2021 Emissions Reporting (Canada)	
<p>Alinea Canada's GHG emissions in 2021 were once again lower than the baseline year – 2021 emissions (229.6 tCO₂e) vs. 2020 emissions (487.48 tCO₂e) vs. 2019 baseline emissions (962 tCO₂e). The COVID-19 pandemic was ongoing and nearly all corporate travel was curtailed. Emissions in 2021 primarily reflect employees' working from home, limited corporate travel, and continued scaled-down operations of the Calgary and Gatineau offices.</p>	

2021 Emissions (Canada)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	113.06
Scope 2	38.78
Scope 3 (Included Sources)	77.77
Total Emissions	229.6 tCO₂e

1.4 Graphic Representation of Alinea International Ltd. Carbon Emissions



1.5 Emissions Reduction Targets

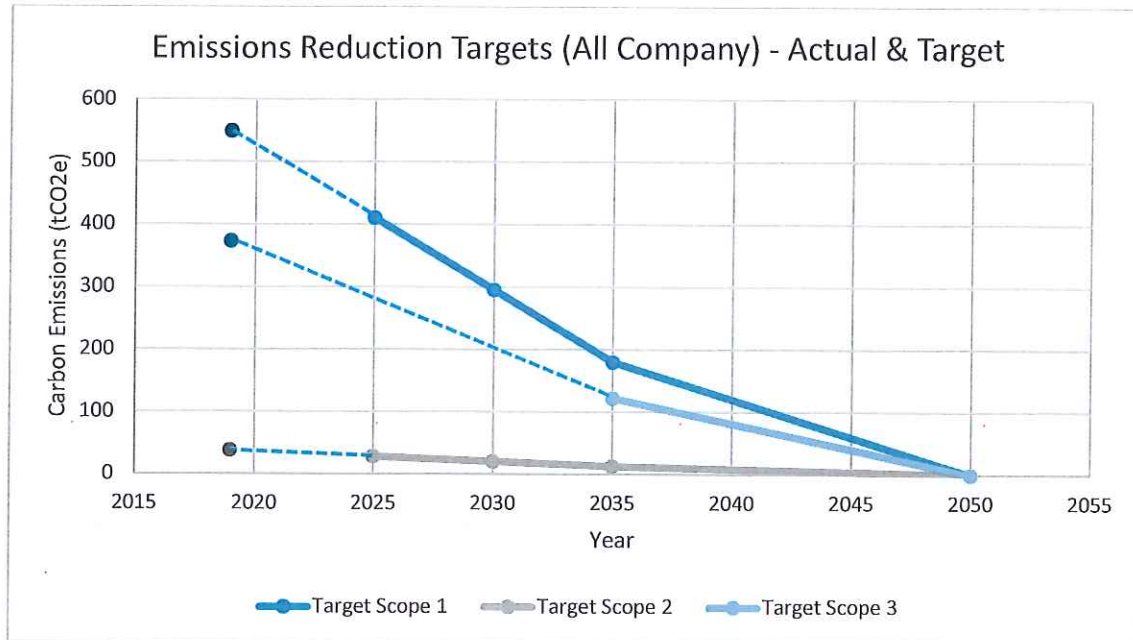
Alinea International as a corporation is committed to achieving Net Zero by 2050 for all GHG emissions. In order to ensure progress towards achieving Net Zero, Alinea Canada has adopted an interim target for 2035 in line with Science Based Targets Initiative's criteria for a 1.5-degree scenario under the Absolute Contraction Approach.

Relative to the 2019 baseline, this 15-year target represents a reduction in carbon emissions of 67.2%. This amounts to a reduction from 550 tCO₂e to 180.4 tCO₂e for Scope 1, and 67.4% for Scope 2: from 38.3 tCO₂e to 12.5 tCO₂e. When it comes to Scope 3, a target reduction of 67.2% or 374tCO₂e to 122.7 tCO₂e will be pursued.

The table below summarizes Alinea International's total emission target commitments, which include the Canada and UK operations.

Year	Target Emissions (tCO ₂ e)		
	Scope 1	Scope 2	Scope 3
2019 - Actual	550	38.3	374
2025	411.4	28.4	
2030	295.9	20.4	
2035	180.4	12.5	122.7

The science-based targets and path to Net Zero by 2050 are shown below. The dotted lines represent the required path from the 2019 baseline to achieving the projected targets.



1.6 Carbon Reduction Program Initiatives

1.6.1 Overview

Prompted by the UK Government's procurement requirements instituted in 2021, work was undertaken to determine carbon emissions for Alinea Canada. A baseline year was established (2019) and two operating years of data (2020 and 2021) have been collected. Initiatives for the management/reduction of carbon emissions have been identified and are described below.

1.6.2 Canadian Office Operation Initiatives

The year 2021 is Alinea Canada's third of reporting company emissions. Environmental sustainability is at the forefront of Alinea Canada's work. The company has an established Environmental Safeguarding Policy and Team, which places responsibility on both the organization and its employees to consider the ways in which energy consumption and GHG emissions can be minimized.

Over the next 12 months, Alinea Canada will identify tangible ways to reduce emissions, evaluate their carbon reduction potential, and determine how they align with the stated trajectory towards the Net Zero by 2050 target.

1.7 Alinea International Initiatives

1.7.1 Flight Initiatives

Taking advantage of the company-wide introduction to virtual meetings, Alinea International is confident the company can significantly reduce its footprint by only allowing flights deemed essential. Where travel is essential, it is anticipated that in 2023, purchasing offsets for flights taken will begin. In 2022, all carbon emissions from Alinea Canada's corporate and project-related flights were tracked utilizing airline-based certifiable and verifiable processes. The carbon offset investment required for all Alinea Canada corporate flights taken in 2022 will be determined to understand implications. Based on 2022 flight analysis, in 2023, Alinea Canada will assess whether to begin purchasing carbon offsets for all flights undertaken.

1.7.2 Energy Saving Initiatives

All projects are required to carry out an environmental risk assessment and to implement measures to mitigate any adverse effects. Employees are expected to consider what steps they can take on a personal level to reduce energy consumption. Alinea Canada has prepared specific guidelines to assist in this process.

The Environmental Safeguarding Team will continue to work towards implementing new ways to reduce energy consumption both in our offices and through the delivery of projects. Company-owned vehicles and air travel have been identified as the most significant contributors to Alinea International's carbon footprint. GPS has been installed into some project vehicles resulting in decreased fuel consumption. Wherever possible, future company vehicle capital purchase consideration will include purchase specifications for vehicles that are rated best in fuel efficiency for required class with low resistance rolling tires.

Energy saving initiatives to be pursued at all Alinea Canada's offices include:

- Thermostat management
- Reducing the temperature of hot water
- Use of natural light within offices where/when possible, during the workday
- Turning off lights in empty rooms
- Use of smart power bars
- Use of energy saving features on office equipment

In addition, all employees will be expected to consider what steps they can take on a personal level to reduce energy consumption. Alinea Canada will make available specific guidelines and educational resources on best practices to support this effort to all staff.

In 2022 and beyond, Alinea Canada will look at determining the carbon reduction potential for the initiatives identified above and how they may contribute to the Net Zero by 2050 target.

1.7.3 Waste Management Initiatives

The company will implement food reduction and recycling policies. In 2022, a food recycling/compost system designed to reduce the amount of waste sent to landfill was initiated. Staff will be informed on the importance of reducing their personal level of food waste, and designated compost bins will be installed for organic waste.

1.7.4 Sustainable Travel Initiatives

Company guidelines will be developed to inform employees who must travel how they can better minimize their carbon footprint. This includes staying in eco-friendly accommodations, reusing towels, raising or lowering thermostats, and sharing transport with colleagues and clients when possible.

The UK operations will reflect and be bound by the carbon reduction approaches taken by Alinea Canada.

1.8 Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standards for Carbon Reduction Plans.

Emissions have been reported and recorded in accordance with the published reporting standard for Carbon Reduction Plans and the GHG Reporting Protocol corporate standard¹ and uses the appropriate government emission conversion factors for GHG company reporting².

Scope 1 and Scope 2 emissions have been reported in accordance with SECR requirements, and the required subset of Scope 3 emissions has been reported in accordance with the published reporting standard for Carbon Reduction Plans and the Corporate Value Chain (Scope 3) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).

Signed on behalf of the Supplier:



Date: January 2, 2023

¹ <https://ghgprotocol.org/corporate-standard>

² <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>

³ <https://ghgprotocol.org/standards/scope-3-standard>