

Canada Carbon Reduction Plan

Supplier: Alinea International Ltd. (Canada)
Updated: January 2024



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1 Carbon Reduction Plan

Supplier Name: Alinea International Ltd. (Canada)

Carbon Reduction Plan Updated: January 2024

Commitment to Achieving Net Zero: Alinea International Ltd. (Canada) 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 International Ltd. (Canada). A

Baseline Year: 2019
Additional Details Relating to the Baseline Emissions Calculations
<p>This Carbon Reduction Plan, for Alinea International Ltd. (Canada), covers emissions from Canadian operations in Calgary, Alberta and Gatineau, Quebec. Alinea UK (United Kingdom), a subsidiary of Alinea International Ltd. (Canada) emissions is provided in a standalone Carbon Reduction Plan prepared specifically for the UK (United Kingdom) operations. (Note: Alinea UK (United Kingdom) emissions represent approximately one percent of Alinea International Ltd. (Canada’s)</p> <p>Alinea International Ltd. (Canada) conducted its first carbon footprint analyses in 2021. These initial analyses covered 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>

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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

2020 Emissions Reporting (Canada)
The 2020 assessment was carried out in accordance with PPN (Procurement Policy Note) 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	378.50
Scope 2	42.18
Scope 3 (Included Sources)	66.81
Total Emissions	487.48 tCO ₂ e

2021 Emissions Reporting (Canada)
Alinea International Ltd. (Canada) GHG emissions in 2021 were once again lower than the baseline year – 2021 emissions (229.6 tCO ₂ e) vs. 2020 emissions (487.48 tCO ₂ e) vs. 2019 baseline emissions (962 tCO ₂ e). The COVID-19 pandemic was ongoing, and 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.

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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 tCO ₂ e

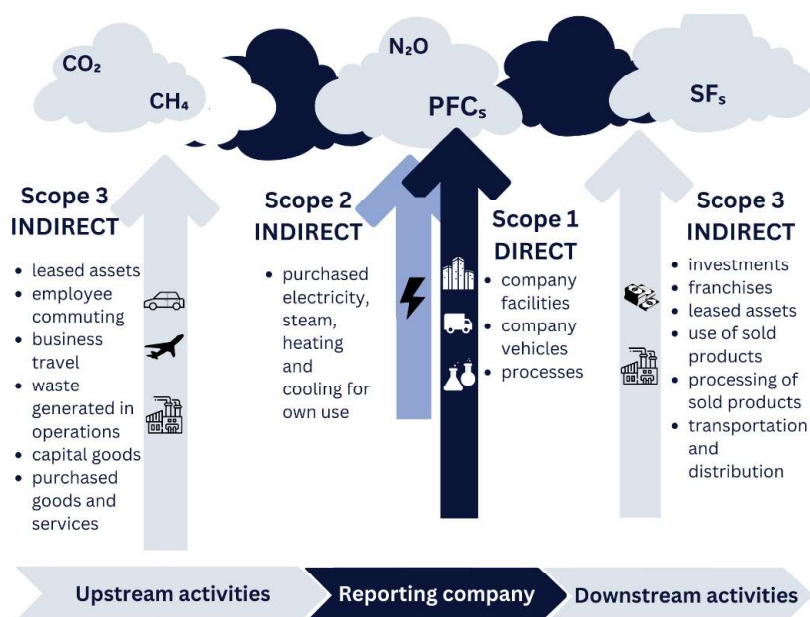
1.2 2022 Emissions Reporting (Canada)

2022 Emissions Reporting (Canada)	
<p>Alinea International Ltd. (Canada) GHG emissions in 2022 represent the emissions generated by the Calgary and Gatineau offices and related work activities for staff residing in Canada. Total emissions for 2022, (1196.02 tCO₂e) are the highest recorded, exceeding 2019 baseline emissions (962 tCO₂e) and those reported in Covid impacted years of 2021 (229.6 tCO₂e) and 2020 emissions (487.48 tCO₂e). The 2022 year reflects a return to what is considered normal business operations.</p>	

2022 Emissions (Canada)	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	110.29
Scope 2	34.54
Scope 3 (Included Sources)	1,051.20
Total Emissions	1196.02 tCO ₂ e

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1.3 Graphic Representation of Alinea International Ltd. (Canada) Carbon Emissions



1.4 Emissions Reduction Targets

Alinea International Ltd. (Canada) is committed to achieving Net Zero by 2050 for all GHG emissions. 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.

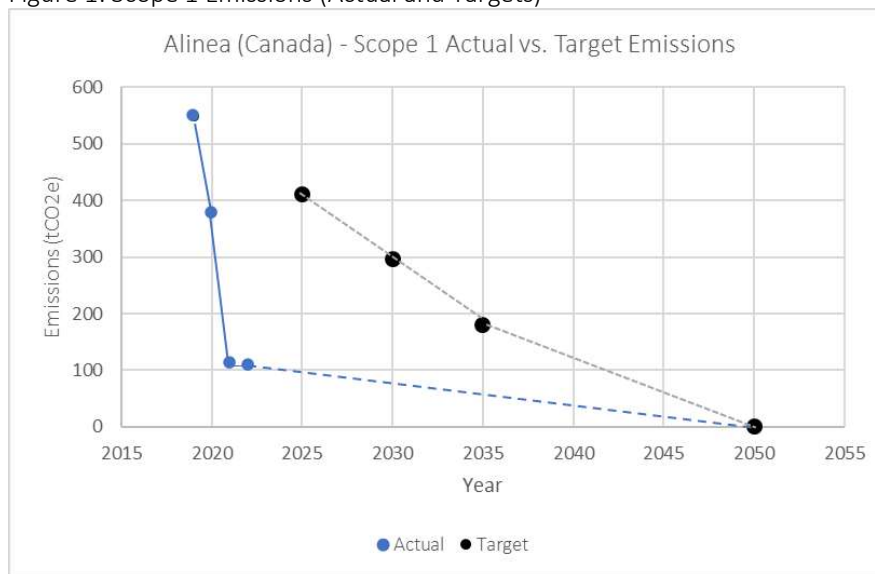
The table below summarizes Alinea International Ltd. (Canada) total emission target commitments.

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Year	Target Emissions (tCO ₂ e)		
	Scope 1	Scope 2	Scope 3
2019 - Baseline	550	38.3	374
2022 – Current	110.29	34.54	1051.2
2025	411.4	28.4	
2030	295.9	20.4	
2035	180.4	12.5	122.7
2050	0	0	0

Table 1: 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.

Figure 1: Scope 1 Emissions (Actual and Targets)



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Figure 2: Scope 2 Emissions (Actual and Targets)

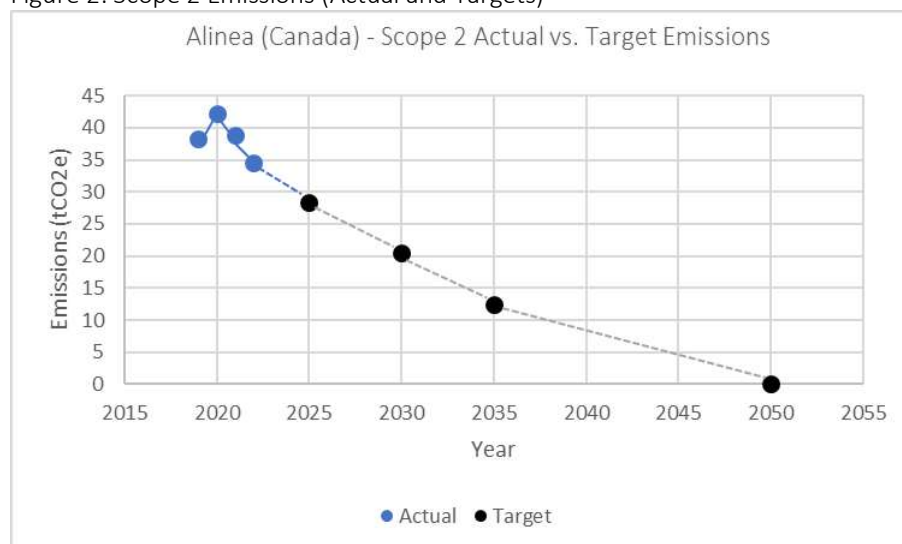
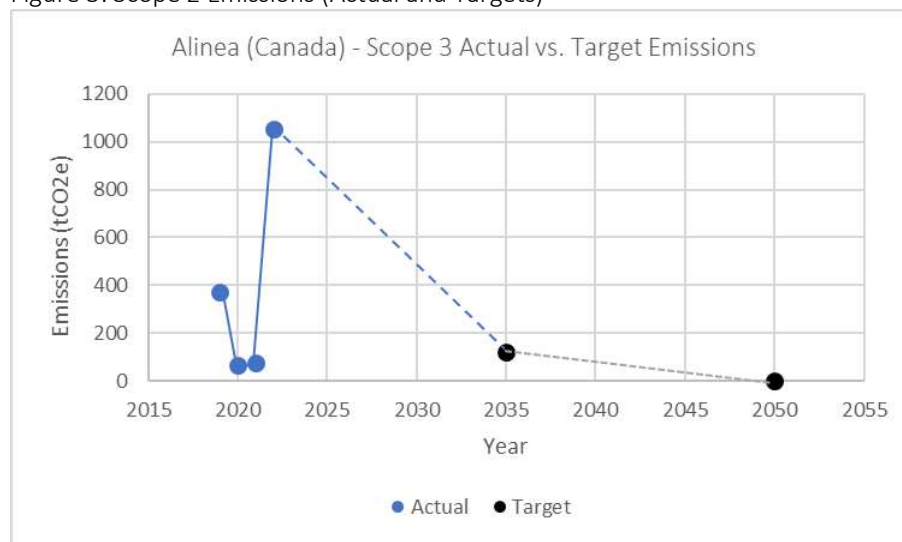


Figure 3: Scope 3 Emissions (Actual and Targets)



1.5 Carbon Reduction Program Initiatives

1.5.1 Overview

Alinea International Ltd. (Canada) has proactively adopted a corporate to reduce its carbon footprint. A baseline year was established (2019) and three operating years of data (2020 to 2022) have now been collected. Initiatives for the management/reduction of carbon emissions have been identified and are described below.

1.5.2 Canadian Office Operation Initiatives

Alinea International Ltd. (Canada) is in its fourth year of reporting company emissions. Environmental sustainability is a core corporate value. 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.

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Over the next 12 months, Alinea International Ltd. (Canada) will be identifying 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.

1.6 Alinea International Ltd. (Canada) Initiatives

1.6.1 Flight Emission Reduction Initiatives

Flight emissions are our single largest source of carbon emissions. Taking advantage of the company-wide introduction to virtual meetings, Alinea International Ltd. (Canada) is confident a reduction in flight emissions can be achieved by restricting flights to only those deemed essential. Purchasing offsets for essential project and corporate flights that are taken is expected to begin in 2023. All carbon emissions from Alinea International Ltd. (Canada) corporate and project-related flights are tracked utilizing airline-based certifiable and verifiable processes.

1.6.2 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 International Ltd. (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.

Energy saving initiatives to be pursued at all 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

Wherever possible, future company vehicle capital purchase will include specifications for vehicles that are rated best in fuel efficiency for required class with low resistance rolling tires.

In 2023 and beyond, Alinea Canada will be looking at determining the carbon reduction potential for the initiatives identified above and how they may contribute to the Net Zero by 2050 target.

1.6.3 Waste Management Initiatives

The company has implemented a food reduction and recycling program resulting in a significant reduction to the amount of waste sent to landfill. Designated compost bins have been installed for organic waste.



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1.6.4 Sustainable Travel Initiatives

A sustainable travel guide has been shared with all employees. The guide includes recommendations for staying in eco-friendly accommodations, reusing towels, raising, or lowering thermostats, and sharing transport with colleagues and clients when possible.

1.7 Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN (Procurement Policy Note) 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:

Charles Duff

Charles Duff (Jan 26, 2024 15:58 MST)

Date: January 2024

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>



About Alinea

Alinea is an international development consultancy providing technical and management expertise that helps people improve their lives. We work with governments, investors, companies and communities to create lasting change. Over 35 years, Alinea has successfully delivered more than 515 projects worldwide. **alineainternational.com**

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Canada, Carbon Reduction Plan

Final Audit Report

2024-01-26

Created:	2024-01-26
By:	Ana Kolaric (anak@alineainternational.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAJLKxwQxjym0buAZUFgp4rA-LOj3xmY60

"Canada, Carbon Reduction Plan" History

-  Document created by Ana Kolaric (anak@alineainternational.com)
2024-01-26 - 10:33:25 PM GMT
-  Document emailed to Charles Duff (charlesd@alineainternational.com) for signature
2024-01-26 - 10:34:38 PM GMT
-  Email viewed by Charles Duff (charlesd@alineainternational.com)
2024-01-26 - 10:35:07 PM GMT
-  Document e-signed by Charles Duff (charlesd@alineainternational.com)
Signature Date: 2024-01-26 - 10:35:29 PM GMT - Time Source: server
-  Agreement completed.
2024-01-26 - 10:35:29 PM GMT