Carbon Reduction Plan

Bio Capital 1 Ltd
Date: 11 September 2025

Commitment to achieving Net Zero

Bio Capital is committed to achieving Net Zero emissions by 2030.

2024 Emissions Summary

Total net emissions	Potential emissions avoided
14,180.74 tCO_2e	**373,782.29** tCO_2e

Baseline emissions footprint

Baseline year emissions footprint

Baseline year: 2022		
Emissions		TOTAL (tCO_2e)
Scope 1	**Total** Biogas (non-CO_2) Liquid fuels: diesel Refrigerant Vehicle biomethane (non-CO_2)	**1,226.62** 27.59 1,172.25 25.49 1.29
Scope 2	**Total (net)** Electricity Scope 2 removals	**0.00** 573.60 (573.60)
Scope 3	**Total** Business Travel: Air Business Travel: Rail Business Travel: Road Chemicals Electricity (T&D and WTT) Employee Commuting: Road Food and Drink Freight: Upstream Gaseous fuels Hotel Stay Information Technology Liquid fuels: LPG (WTT) Waste construction Waste metal Waste plastic Waste: Refuse Water	**13,806.62** 17.17 0.42 153.27 694.80 202.20 198.18 1.70 10,634.75 540.71 4.48 108.35 390.08* 1.30 1.17 278.77 664.90 17.61
Outside scopes	Biogas (CO_2) Vehicle biomethane (CO_2)	14,430.12 657.30
Total net emissions		**15,749.70**

*Remarks on baseline:

Non-combusted LPG usage corrected, resulting in a rebaselining of emissions from 15,033.24 to 15,749.70 tCO_2e.

Current emissions footprint

Current year emissions footprint

Current year: 2024		
Emissions		TOTAL (tCO_2e)
Scope 1	**Total**	**1,187.81**
	Biogas (non-CO_2)	35.60
	Diesel	1,130.49
	Vehicle biomethane (non-CO_2)	2.19
	Business travel: Road (company-owned vehicles)	19.54
Scope 2	**Total (net)**	**0.00**
	Electricity	29.27
	Scope 2 removals	(29.27)
Scope 3	**Total**	**13,393.30**
	1. Purchased goods and services	**534.79**
	Chemicals	438.09
	Food and drink	1.81
	IT	70.60
	Water	24.30
	3. Upstream emissions from purchased fuel, energy	**756.22**
	Biogas	-
	Biomethane	-
	Diesel	274.89
	Electricity	9.64
	LPG	471.69
	4. Upstream transportation and distribution	**10,132.21**
	Freight: upstream	10,132.21
	5. Waste generated in operations	**905.18**
	All waste	905.18
	6. Business travel	**84.77**
	Business travel: air	5.30
	Business travel: rail	0.03
	Business travel: road	73.13
	Business travel: road - company-owned vehicle	4.78
	Hotel	1.53
	7. Employee commuting	**109.47**
	Employee commuting: rail	0.10
	Employee commuting: road	109.37
Outside scopes	Biogas (CO_2)	17,811.81
	Vehicle biomethane (CO_2)	968.37
Total net emissions		**14,180.74**

Remarks on calculations:

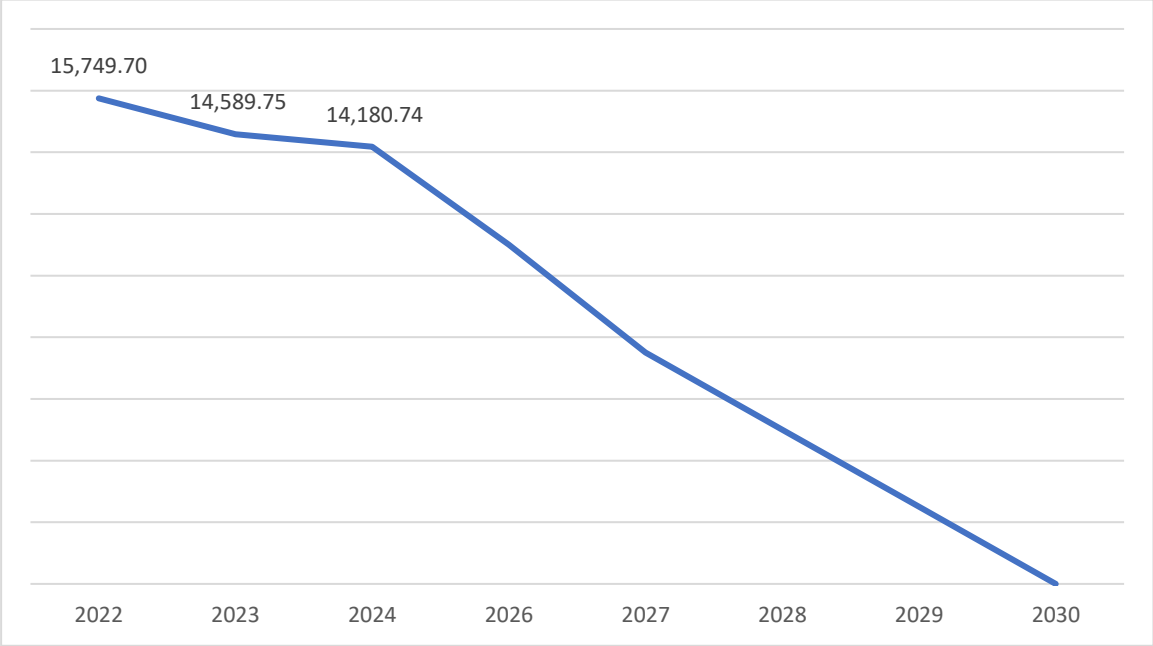
The data collection process aimed to identify and measure all scope 1 and 2 emissions sources and scope 3 categories relevant to the organisation's context and goals. All calculations are based on 2024 consumption using the Compare Your Footprint platform using the methodology detailed here.

Emissions reduction targets

In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

- 22% by 2025
- 100% by 2030

Progress against these targets can be seen in the graph below:



Carbon reduction projects

Current planned carbon reduction initiatives

From our baseline year we initiated implementation of the following changes to our systems and processes in order to improve environmental management and reduce our carbon footprint:

Initiative	Update on progress	Achievement by
Water supply We will reduce the use of potable water in the anaerobic digestion process by 10% per tonnage of feedstock across the group.	Liquid digestate and/or rainwater harvesting and reuse ongoing across all sites. Achievement across the group 2022 to 2024: 6.1% reduction Dry weather conditions led to increased requirement for dilution and washing down of vehicles.	2025 (revised)
Emissions from waste solids We will move general waste disposal up the waste hierarchy from landfill to EfW (combustion).	Review of current waste practices and options for lower emissions disposal ongoing.	2026 (revised)
Emissions from freight We will replace four lorries used to transport food waste with a fleet of biomethane powered lorries at Warrens Group.	Two IVECO replacements were purchased in 2023 and a further two in 2024. Six are on order as of 2025, due in September. We anticipate 77% of our fleet will be CNG by end of 2025 and 90% by 2027. This will reduce our consumption of diesel and increase our consumption of vehicle biomethane.	2025
Emissions from freight We will replace the lorries used to transport digestate off-site with a fleet of biomethane powered lorries at ELBL.	Logistical, technological, and infrastructure issues have delayed this change.	2026 (revised)
Emissions from waste plastics The installation of new depackaging equipment at GECO and ELBL will lead to a reduction of 10% by weight of plastics disposal at those two sites.	We are trialling waste drying technologies to facilitate EfW treatment of our waste solids.	2026 (revised)

Further measures

Current measures

Bio Capital 1 has a number of measures currently in place to help ensure carbon reduction targets are achieved. These include:

- ISO 14001:2015 - Environmental management systems certification to ensure we identify, manage, monitor and control our environmental impacts in a holistic manner.
- Company vehicle EV salary sacrifice scheme.
- Company cycle to work scheme.

Valuation approach to removals

We anticipate further development of GHG Protocol and government guidelines on valuing removals and/or other approaches to account for the role of anaerobic digestion in avoiding GHG emissions burdens.

We calculate current potential avoided emissions as follows.

Emissions source	Potential emissions avoided (tCO_2e)
Fossil-fuel derived electricity	27,172.50
Natural gas	29,763.71
Landfill disposal of food	302,071.33
Displacement of chemical fertiliser	14,774.75
Total	**373,782.29**

Carbon capture

Carbon capture projects at GECO and ELBL are under commissioning and soon to be regulated by NIEA. These planned projects capture CO_2 emitted during the biogas upgrade process to biomethane. The captured CO_2 will then be used in industries such as food and beverage manufacturing.

Although these emissions are from a biogenic source and outside of scope, the use of this CO_2 will displace CO_2 that has been manufactured using fossil fuel energy.

Facility	tCO_2e captured	Target year
Granville Ecopark	8,704	2025
ELBL	5,676	2026

Carbon sequestration

As an additional benefit, several research papers have shown that the application of biofertiliser to agricultural soils improves its carbon sequestration potential and assists in climate change mitigation. However, exact quantification is difficult at present.

Other measures

Other potential areas for carbon reduction to net zero by 2030 include:

- Installation of additional CHPs to reduce the need to import electricity.
- Investigating options for electric loading shovels and other mobile plant (e.g screeners) to replace diesel versions.
- Investigate options for solar panels on facility roof.
- Investigate options for low energy technology on sites.

Declaration

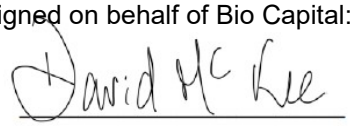
This Carbon Reduction Plan has been completed in accordance with PPN 06/21 and associated guidance and reporting standard for Carbon Reduction Plans.

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

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

This Carbon Reduction Plan has been reviewed and signed off by the board of directors.

Signed on behalf of Bio Capital:



Date: 18/12/2025

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