

Carbon Reduction Plan 2024

Supplier Name: LandScope Engineering
Publication Date: June 2024

Commitment to Achieving Net Zero

LandScope is committed to achieving Net Zero emissions by 2045.

Baseline Emissions Footprint

Baseline emissions are a record of the greenhouse gases that have been produced in the past and were produced prior to the introduction of any strategies to reduce emissions. Baseline emissions are the reference point against which emissions reduction can be measured.

Baseline Year:

Why the year was chosen

During 2020 patterns of business activity were severely erratic owing to pandemic-related office closures and other operational restrictions. 2021 has therefore been chosen as the baseline year even though some carbon reduction actions were already beginning to be implemented during Q4 2019.

What data is collected

GHG Emissions data is collated for Scope 1, Scope 2 and Scope 3, including all relevant categories. The data has been verified by an external provider (Interface NRM) demonstrating that the Emissions Footprint has been produced using GHG Protocol Guidelines and conforms to the requirements of the ISO 14064 standard.

Baseline Year: 2021 (01/01/2021 - 31/12/2021)		
Scope/ Emissions Category	Notes	Emissions (tCO ₂ e)
Total Scope 1	RC	75.4
Total Scope 2	RC, 1	8.2
Total Scope 3		227.6
1. Purchased Goods and Services	RC	164.4
2. Capital Goods	RC	29.6
3. Fuel and Energy Related Activities	RC	22.6
4. Upstream Transportation & Distribution	RC	0.2
5. Waste Generated in Operations	RC	0.1
6. Business Travel	RC	0.1
7a. Employee Commuting	RC	8.2
7b. Homeworking	RC	2.3
8. Upstream Leased Assets	NR	
9. Downstream Transportation & Distribution	NR	
10. Processing of sold products	NR	
11. Use of sold products	NR	
12. End-of-life treatment of sold products	NR	
13. Downstream leased assets	NR	
14. Franchises	NR	
15. Investments	NR	
Total Emissions		311.2

1. Market-Based method used to report electricity emissions

RC Relevant, Calculated
RNC Relevant, Not Calculated
NR Not Relevant

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Current Emissions Reporting

Current Emissions Footprint

Reporting Year: 2023 (01/01/2023 - 31/12/2023)		
Scope/ Emissions Category	Notes	Emissions (tCO ₂ e)
Total Scope 1	NR	62.9
Total Scope 2	RC, 1	6.2
Total Scope 3		268.6
1. Purchased Goods and Services	RC	201.6
2. Capital Goods	RC	31.0
3. Fuel and Energy Related Activities	RC	20.7
4. Upstream Transportation & Distribution	RC	0.2
5. Waste Generated in Operations	RC	0.1
6. Business Travel	RC	3.1
7a. Employee Commuting	RC	11.5
7b. Homeworking	RC	0.4
8. Upstream Leased Assets	NR	
9. Downstream Transportation & Distribution	NR	
10. Processing of sold products	NR	
11. Use of sold products	NR	
12. End-of-life treatment of sold products	NR	
13. Downstream leased assets	NR	
14. Franchises	NR	
15. Investments	NR	
Total Emissions		337.7

1. Market-Based method used to report electricity emissions

RC Relevant, Calculated
 RNC Relevant, Not Calculated
 NR Not Relevant

Emissions Reduction Targets

In order to continue our progress to achieving Net Zero, we have adopted the following near-term and long-term science-based carbon reduction targets:

Near-Term

Near-term science-based targets cover an SME organisation's Scope 1 and 2 emissions reduction targets to be achieved by 2030. For LandScope Engineering, with base year (2021) scope 1 and 2 emissions of 84 tCO₂e, a reduction of 42% minimum will be required by 2030. This means scope 1 & 2 emissions shall be no higher than 48 tCO₂e by 2030.

Long-Term

Long-term science-based targets show how much an organisation needs to reduce its total emissions (Scope 1, 2 & 3) in order to reach net-zero. This is a minimum of a 90% reduction and needs to be achieved no later than 2050. LandScope Engineering's total emissions in its 2021 base year were 311 tCO₂e. By 2045, its total emissions shall be no higher than 31 tCO₂e, with the remaining emissions being permanently balanced through nature-based or technological solutions.

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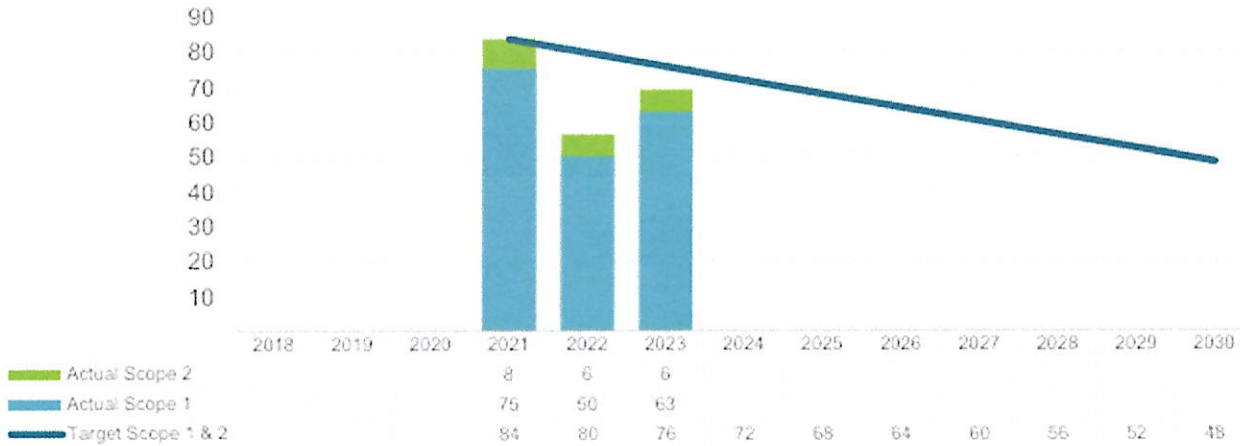
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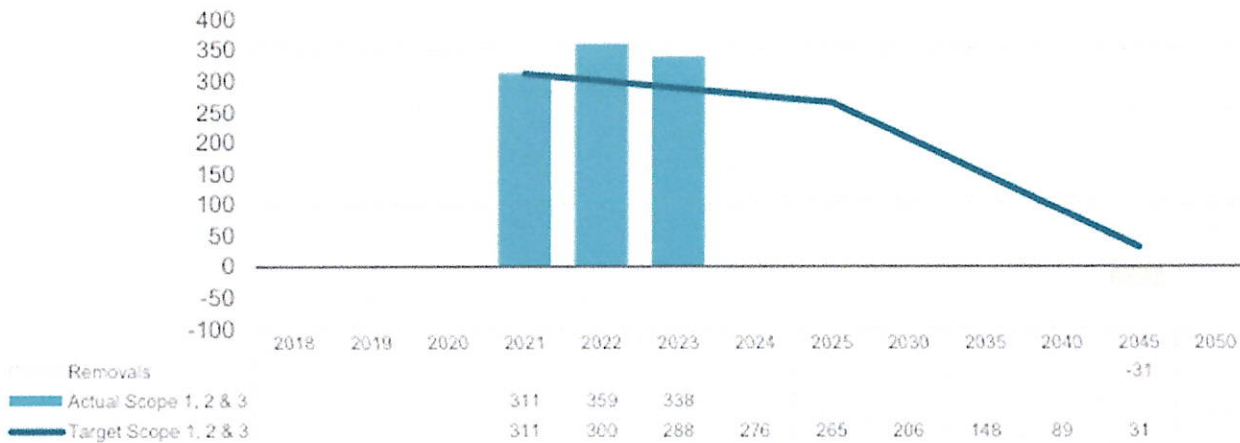
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Progress against these targets can be seen in the graphs below:

Near-Term Target Progress



Long-Term Target Progress



Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the Base Year:

- Installation of solar panels at Head Office
- Purchase of EV - Toyota Proace van
- Installation of EV charging points at Northern and Southern office
- Dedicated fleet management to reduce journeys

The carbon emissions reduction achieved by these schemes equate to

- Scope 1: -12 tCO₂e, a 17% reduction against the Base Year
- Scope 2: -2 tCO₂e, a 24% reduction against the Base Year
- Scope 3: +41 tCO₂e, a 18% increase against the Base Year

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Overall, GHG emissions have grown by 9% over this two-year period. We will continue to find ways to reduce our Scope 3 emissions, but they are partly an artefact of the growth of the company during this period: tCO₂e per £100k of Turnover has reduced by 21%.

Future Carbon Reduction Initiatives

We intend to invest in the following initiatives within the next 3 years:

- Scope 1: Procurement of a further EV van and dedicated use of the current EV van for mobile mapping activities, typically covering 10,000 miles per annum, equivalent to approx. 4tCO₂ reduction.
- Scope 2: Switch energy supply to a 100 per cent renewable tariff
- Scope 3: Extended project to analyse emissions hotspots and alternative procurement/working strategies.

An ESG consultant has been retained to support the company with its carbon reduction initiatives

Declaration and Sign Off

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 Protocol 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 (or equivalent management body).

Signed on behalf of the Supplier:

Name: Keith Buckley
Position: General Manager
Date: 11/06/2024

Signature: 