

## Carbon Reduction Plan 2025

**Supplier Name:** LandScope Engineering  
**Publication Date:** May 2025

### 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 <sub>2</sub> e)
<b>Total Scope 1</b>	RC	<b>70.142</b>
<b>Total Scope 2</b>	RC, 1	<b>8.178</b>
<b>Total Scope 3</b>		<b>227.126</b>
1. Purchased Goods and Services	RC	164.399
2. Capital Goods	RC	29.612
3. Fuel and Energy Related Activities	RC	22.134
4. Upstream Transportation & Distribution	RC	0.192
5. Waste Generated in Operations	RC	0.074
6. Business Travel	RC	0.150
7a. Employee Commuting	RC	8.224
7b. Homeworking	RC	2.342
8. Leased Assets	NR	
9. Franchise Fees	NR	
10. Procurement of Services	NR	
11. Investment Activities	NR	
12. Financial Activities	NR	
13. Other Indirect Emissions	NR	
14. Other Indirect Emissions	NR	
15. Other Indirect Emissions	NR	
<b>Total Emissions</b>		<b>305.446</b>

1. Market-Based method used to report electricity emissions

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

*The Baseline Year inventory has been adjusted from previous carbon inventory reporting, as data collection methodologies have improved and some minor errors have been corrected.*

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Current Emissions Reporting

Reporting Year: 2024 (01/01/2024 - 31/12/2024)		
Scope/ Emissions Category	Notes	Emissions (tCO <sub>2</sub> e)
Total Scope 1	RC	69.211
Total Scope 2	RC, 1	6.693
Total Scope 3		331.450
1. Purchased Goods and Services	RC	257.979
2. Capital Goods	RC	32.692
3. Fuel and Energy Related Activities	RC	20.321
4. Upstream Transportation & Distribution	RC	0.668
5. Waste Generated in Operations	RC	0.036
6. Business Travel	RC	0.941
7a. Employee Commuting	RC	18.027
7b. Homeworking	RC	0.786
8. Upstream Transportation & Distribution	NR	
9. Downstream Transportation & Distribution	NR	
10. Product Use & End-of-Life	NR	
11. Business Process & Operations	NR	
12. Employee Travel & Transportation	NR	
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100. Business Process & Operations	NR	
Total Emissions		407.354

1. Market-Based method used to report electricity emissions

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

The 2024 carbon inventory has been produced using the Nero GHG Calculator and externally validated by Interface NRM to a Limited level of Assurance. The certificate is available on request.

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 78 tCO<sub>2</sub>e, a reduction of 42% minimum will be required by 2030. This means scope 1 & 2 emissions shall be no higher than 45 tCO<sub>2</sub>e 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 2045. LandScope Engineering's total emissions in its 2021 base year were 305 tCO<sub>2</sub>e. By 2045, its total emissions shall be no higher than 31 tCO<sub>2</sub>e, with the remaining emissions being permanently balanced through nature-based or technological solutions.

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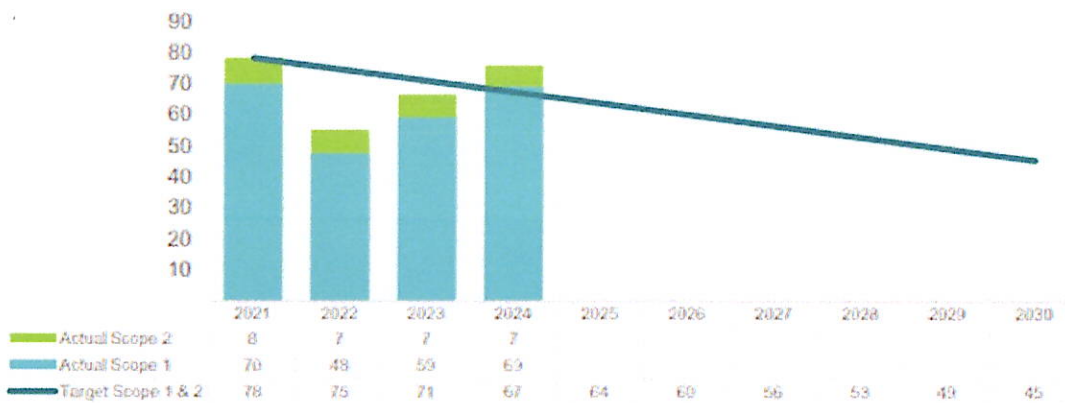
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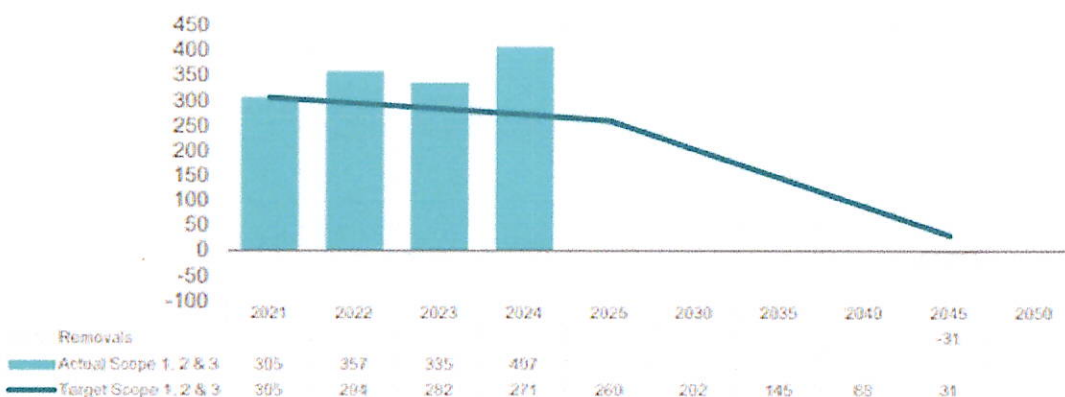
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Progress against these targets can be seen in the graphs below:

### Near-Term Target Progress



### Long-Term Target Progress



### Carbon Reduction Projects

#### Completed Carbon Reduction Initiatives

- Installation of solar panels at Head Office
- Switch to renewable energy supply at Head Office
- Purchase of two electric vans
- 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: -0.9 tCO<sub>2</sub>e, a 1.3% reduction against the Base Year**

**Scope 2: -1.5 tCO<sub>2</sub>e, a 18.2 % reduction in market-based emissions against the Base Year**

**Scope 3: +104 tCO<sub>2</sub>e, a 46% increase against the Base Year**

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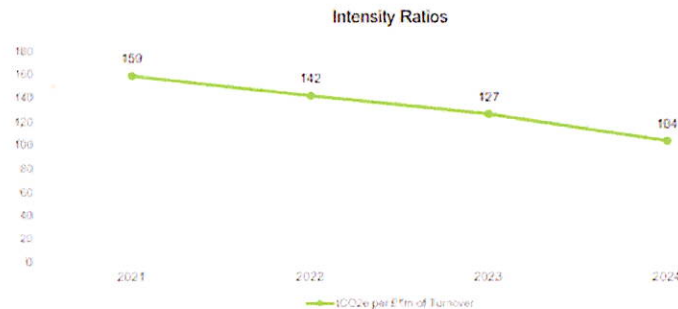
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Scope 1 and 2 GHG emissions have reduced by 3.1% since the Base Year, but overall, the total GHG emissions inventory has grown by 33% over this four year period. We will continue to find ways to reduce our Scope 3 emissions, but they are partly an artefact of the growth of the company during this period, when looking at the turnover intensity ratio, tCO<sub>2</sub>e per £1m of Turnover has reduced by 34%.



#### Future Carbon Reduction Initiatives

- Scope 1: Procurement of further EV vehicles each year and dedicated use of the current EV van for mobile mapping activities, typically covering 10,000 miles per annum, equivalent to approx. 4tCO<sub>2</sub> reduction.
- Scope 2: Explore options for sustainable office spaces for rented satellite offices
- Scope 3: Extended project to analyse emissions hotspots and alternative procurement/working strategies.
- Technologies: UAV drone and remote marine technologies which are expected to reduce the 'feet on site' and the duration of projects leading to reduced accommodation stays and associated messing, and reducing transportation requirements

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: 20/05/2025

Signature:



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