

Carbon Reduction Plan

Supplier name: LandScope Engineering
Publication Date: 01/11/2023

Commitment to achieving Net Zero

LandScope Engineering 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: 2021	
EMISSIONS	Total (tCO₂e)
Scope 1	68.6
Scope 2¹	13.1
Scope 3	208.8
Purchased Goods & Services	175.1
Capital Goods	13.9
Upstream Fuel & Energy	19.2
Upstream Transportation & Distribution	0.4
Waste Generated in Operations	0.1
Business Travel	0.1
Employee Commuting	0.0
Downstream Transportation & Distribution	0.0
Total Emissions	290.5

¹ Market-based method used for reporting scope 2 emissions i.e. emissions specific to our electricity supply.

Current Emissions Footprint

Reporting Year: 2022	
EMISSIONS	Total (tCO ₂ e)
Scope 1	45.2
Scope 2 ¹	12.9
Scope 3	286.2
Purchased Goods & Services	256.8
Capital Goods	14.2
Upstream Fuel & Energy	13.3
Upstream Transportation & Distribution	0.3
Waste Generated in Operations	0.1
Business Travel	1.5
Employee Commuting	0.0
Downstream Transportation & Distribution	0.0
Total Emissions	344.4

¹ Market-based method used for reporting scope 2 emissions i.e. emissions specific to our electricity supply.

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.

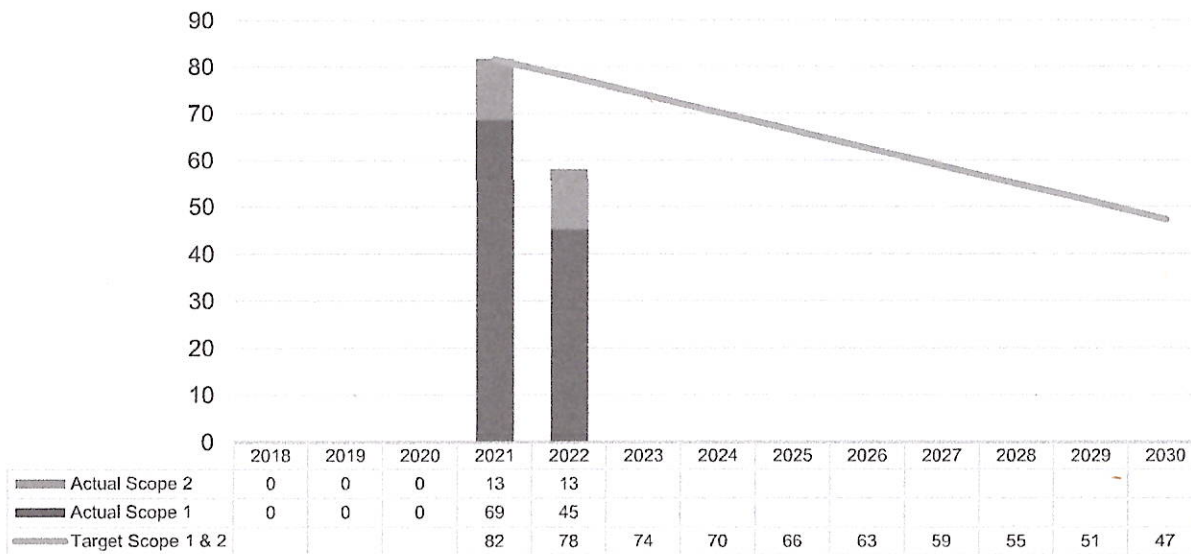
Near-Term

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 82 tCO₂e, a reduction of 42% will be required by 2030. This means scope 1 & 2 emissions should be no higher than 47 tCO₂e by 2030.

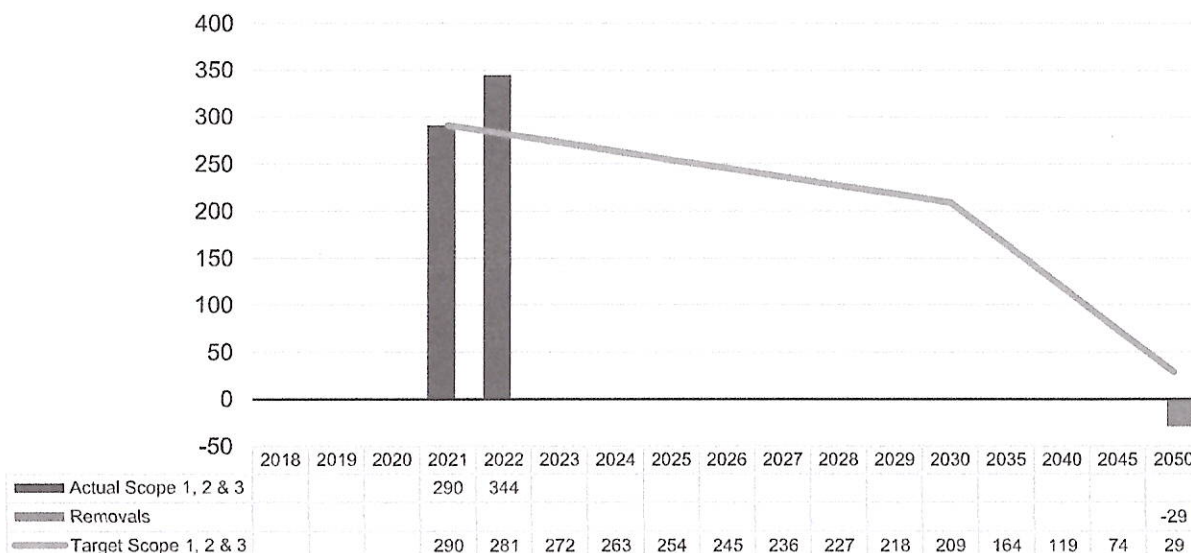
Long-Term

Long-term science-based targets show how much an organisation needs to reduce its total 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: -23.4 tCO₂e, a 34% reduction against the Base Year

Scope 2: -8.8 tCO₂e, a 10% reduction against the Base Year

Scope 3: +83.3 tCO₂e, a 44% increase against the Base Year

Overall, GHG emissions have grown by 22%, but biogenic emissions have shrunk by 24%, halfway to our net zero target of 50% reduction by 2030. We will be looking hard to reduce our Scope 3 emissions, but they are an artefact of the growth of the company, tCO₂e per £100k of Turnover has actually reduced by 7%.

In the future we hope to implement further measures such as:

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

- Scope 1: Procurement of another EV van and focussing upon increasing EV journeys compared to diesel
- Scope 2: Switch energy supply to a 100 per cent renewable tariff, providing it meets Scope 2 quality criteria.
- Scope 3: Extended project to analyse emissions hotspots and alternative procurement/working strategies.

An ESG consultant will be 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: ASHLEIGH BARDOE
Position: PRACTICE MANAGER
Signature: A J Barde
Date: 01/11/23.