Carbon Reduction Plan

Low Carbon Europe Limited

Publication Date: February 2024……

Edited January 2025 to include breakdown of scope 3

Commitment to achieving Net Zero

Low Carbon Europe Limited is committed to achieving Net Zero emissions by 2030.

LCE are committed to conducting our business operations in a socially responsible and environmentally sustainable manner. We recognise the importance of integrating CSR principles into our business practices to contribute positively to society, the environment, and the economy. Whilst our Corporate Social Responsibility (CSR) Policy outlines our commitments in key areas and is fully integrated into our ISO 9001 (Quality Management) and ISO 14001 (Environmental Management) Systems, this Carbon Reduction and Net Zero Plan provides the detail as to how LCE plans to mitigate its carbon emissions:

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: 2017

Additional Details relating to the Baseline Emissions calculations.

LCE has had its carbon footprint independently assessed by the Planet Mark over the last 7 years, with our total emissions footprint (tCO2e) detailed below:

Year Ending	Total Footprint (tCO2e)
2017	18.0
2018	18.8
2019	11.6
2020	11.1
2021	7.5 (During Pandemic restrictions)
2022	5.1 (During Pandemic restrictions)
2023	6.7

We have continuously reduced our carbon footprint whilst growing the company, mainly due to our travel and on-site work practises. We identified hybrid working efficiencies and practises during the pandemic, which led us to investigate our contracts to provide on-site working when required, but reduced travel where possible.

As a team of 11 staff, we now have a lower footprint per person than ever before, at just 0.6 tCO2e. Whilst these are low, we have a few members of the team that travel more frequently than others and are looking to target this reduction, in the coming years.

From 2023 onwards, we will be calculating our carbon footprint in-house, to expand the criteria to include our suppliers and our waste and water data, which is currently not monitored within our office boundary.

We will also be adding paper usage to this plan by March 2024 and setting targets for 2025, and beyond

Baseline year emissions: 2017

EMISSIONS	TOTAL (tCO_2e)
Scope 1	**2.7**
Scope 2	**0.55**
Scope 3	**14.736**
(Included Sources)	
Upstream Transportation and Distribution	**0.03**
Waste generated in operations	**0.006**
Business Travel	**14.7**
Employee Commuting	**Not yet measured**
Downstream transportation and distribution	**0**
Total Emissions	**18**

Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	**TOTAL (tCO_2e)**
Scope 1	**0.2**
Scope 2	**0.26**
Scope 3 **(Included Sources)** **Upstream Transportation and Distribution** **Waste generated in operations** **Business Travel** **Employee Commuting** **Downstream transportation and distribution**	**6.24** **0.015** **0.025** **6.2** **Not yet measured** **0**
Total Emissions	**6.7**

Emissions reduction targets

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

1. **Electricity**
   We have worked to reduce this through efficient use of computer (IT) and other office-based equipment, as well as changing to a hybrid working model that allows more of the team to work from outside the office. We have already switched to REGO backed electricity to minimise the impact of our usage.

   Reduction Pathway:
   In the longer term, we expect to move to an office that is served by electricity generated on site. We will continue to monitor our electricity usage per employee, to ensure that we reach the minimum levels possible, to conduct our business.

   Targets:
   Monitor electricity usage per employee to reach minimum levels.
   Move to a self-generating site.

2. Natural Gas

Our office is based within a larger multi-tenanted building, where we operate from two rooms only, with dependent heating from the main site boiler system. However, we use Thermostatic Radiator Valves (TRVs) to maintain a comfortable temperature when the office is in use, and switch to frost protection overnight and at weekends.

We only use hot water on site for hand washing and ensure this is only used when necessary.

Reduction Pathway:

In the next year, we will be trialling e-TRVs within the office to allow timers to be set, as well as maximum temperature set points to be controlled, to further reduce our reliance on fossil fuels. In the longer term, we expect to move to an office that is heated electrically via heat pumps assisted by photovoltaic panels. This arrangement will decarbonise both the space heating and domestic hot water (DHW) within our office premises.

Targets:

Reduce our heating load through effective use of e-TRVs.
Move to a decarbonised site.

3. Air Travel

Where necessary, we will continue to use air travel, but accept that this should be a last resort in many cases.

We monitor our Air Travel against Turnover to ensure we are not using this form of transport unnecessarily.

Reduction Pathway:

Monitor air travel use and replace with other forms of travel, where possible.

Targets:

Monitor Air travel vs Turnover.
Report on instances where air travel is necessary.

4. Bus Travel

As we grow our team, we have found that many of our staff commute by bicycle or on foot compared to bus use, and rarely use this form of transport for site visits, favouring car sharing or single car travel.

Reduction Pathway:

As detailed in the cars section, we expect to increase the use of Bus travel in the future.

Targets:

Increase Bus travel whilst reducing car travel.

5. **Cars**

Since the pandemic, we have tried to assess each contract to minimise the amount for travel but accept that a lot of our travel relates to the need to be on site in remote locations, or for business development where the choice of travel is dependent on our client's availability.

Reduction Pathway:

Reduce single occupancy car usage where practical and encourage the use of public transport for at least parts of our journeys.

Targets:

A 10% reduction in our car emissions by March 2025.

6. **Rail Travel**

Whilst we use rail to commute to the office in Brighton, some of the sites are not situated to allow for rail travel alone. However, we will look to increase this method as car travel reduces.

Reduction Pathway:

Increase rail travel as car usage reduces.

Targets:

A 10% increase in rail use instead of car travel by March 2025

7. **Procurement**

Our carbon footprint does not currently cover our suppliers; this, however, will be measured over the next year.

Reduction Pathway:

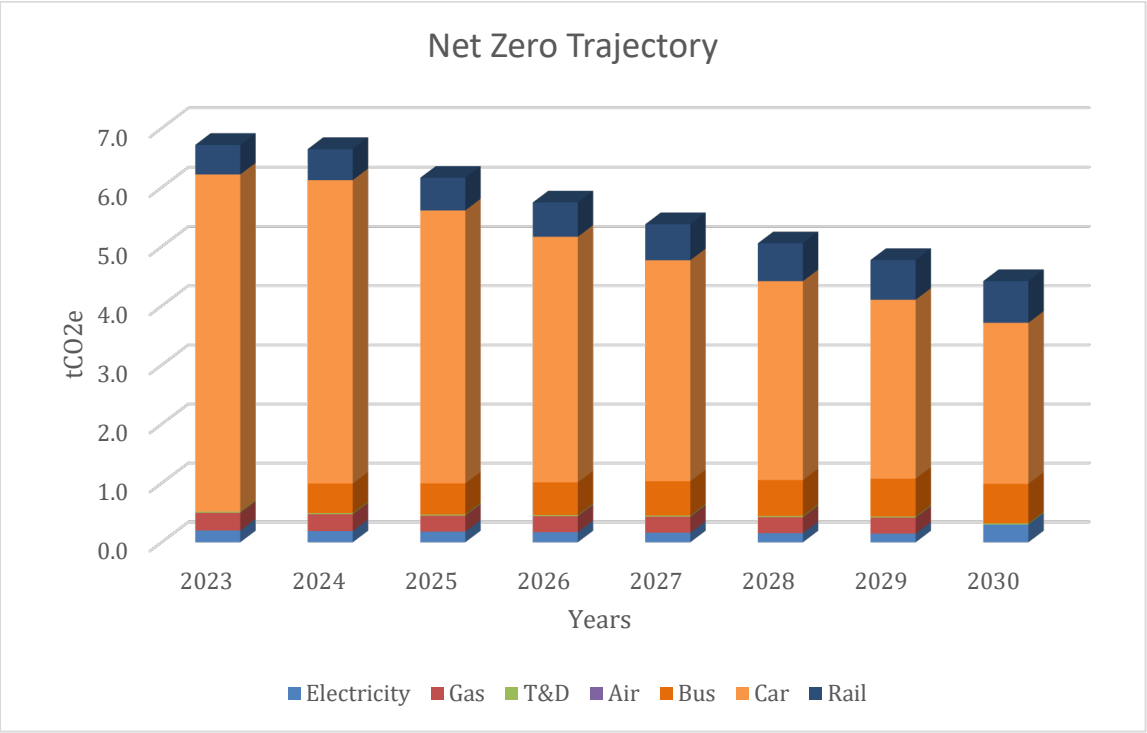
TBC

Targets:

TBC by March 2025

We project that carbon emissions will decrease over the next five years to 4.4 tCO_2e by 2030. This is a reduction of 34% from 2023-24.

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


Net Zero Trajectory
7.0
6.0
5.0
4.0
3.0
2.0
1.0
0.0
tCO2e
2023
2024
2025
2026
2027
2028
2029
2030
Years
Electricity
Gas
T&D
Air
Bus
Car
Rail

Carbon Reduction Projects

Completed Carbon Reduction Initiatives

The following environmental management measures and projects have been completed or implemented since the 2017 baseline. The carbon emission reduction achieved by these schemes equate to 11.3 tCO_2e, a 63% reduction against the 2017 baseline and the measures will be in effect when performing the contract

- Upgraded office to LED lighting
- Set up a meter read programme
- Reduced single car travel through increasing teleconferencing
- Upgraded I.T equipment to more efficient versions including monitors

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

- Moving to a decarbonised office
- Reducing internal staff travel
- Implementing solar PV to existing office

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 Reporting Protocol corporate standard[1] and uses the appropriate Government emission conversion factors for greenhouse gas company reporting[2].

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[3].

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:

Darren Jones, CEO

Date: 6 February 2025

[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