



CARBON REDUCTION PLAN 2023/2024

Carbon Reduction Plan: Circle Waste LTD

Publication Date: 2.10.2023

©2023 CARBON SENSE LTD
1ST FLOOR OFFICES, 10 MARKET PLACE, PENZANCE,
CORNWALL, TR182JA
COMPANY NO. 14142132

Baseline Year: 2022/2023

This Carbon Reduction Plan was formed as an addition to the **Circle Waste** Benchmark Report generated from baseline emissions data report completed on 2.10.2023.

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

Our emission benchmark was produced by Carbon Sense using emissions from Scope 1, 2 and part scope 3 in accordance with GHG Protocol.

Scope 1 (19.09%): 24.2 tCO₂e

Scope 2 (11.67%): 14.8 tCO₂e

Electricity Transmission and Distribution located in Scope 3

Scope 3 (69.24%): 87.8 tCO₂e

Total Emissions: 126.8 tCO₂e

Intention - CO₂e Reduction Target

We project that carbon emissions will decrease over the next five years to be at least **62.8 tCO₂e** by 2030. This is a reduction of 50% and aim to be Carbon Neutral by 2030 / Net Zero by 2045 or sooner.

We understand that a considerable percentage of our total CO₂e is unaccounted for and our full Scope 3 emissions must be measured for a Net Zero target to be achieved. We therefore commit to recording our emissions more accurately following the guidance in a Data Acquisition Plan.

Once we have recorded our total operational emissions within categories 1 - 15 of our scope 3 emissions, we can update our baseline. We can then identify specific emissions reduction pathways and understand whether or not it will be feasible to set and achieve an advanced Net Zero Target.



Completed Carbon Reduction Initiatives

The following steps are being taken prior to the completion of the 2022-2023 baseline specified in the Benchmark Report.

- **Green electricity for office supply completed as of 9.10.2023.**
- **Reported on Scope 1, Scope 2 and the start of Scope 3 emissions. *SECR Compliant* to include home working**
- **Switched 66.6% of company vehicles to electric**
- **Introduced gym and shower facilities at offices to minimise staff travel**
- **Encourage travel to work car share schemes**
- **Established a working partnership with Carbon Sense to understand organisational emissions in a Benchmark Carbon Report (inc. Data Acquisition Plan and Carbon Reduction Plan). *PPN/0621 Compliant***

Planned Carbon Reduction Initiatives

Data Acquisition Plan

- **Measure scope 3 emissions to understand total emissions from Circle Waste value chain operations.**
- **Increase data availability and accuracy across all scopes by implementing new data collection strategies.**

Overarching Carbon Reduction Strategies

- **Develop, update and maintain the CBN Expert dashboard to keep track of Circle Wastes emissions.**
- **Increase data availability and improve data accuracy for input as specified in the Data Acquisition Plan.**
- **Launch our Net Zero Policy which outlines our commitment to Net Zero.**
- **Publish our Carbon footprint and Carbon Reduction Plan publicly.**
- **Work with key individuals and the wider team to continue progressing with carbon reduction towards Net Zero in line with the SBTi corporate Net Zero standard using targeted reduction strategies.**

A low-angle photograph of a dense forest with tall trees and vibrant green leaves, looking up towards a blue sky with some clouds.

Specific Reduction Strategies

Transport

- **Expansion of electric vehicle fleet for emission-free business miles**
- **Offer incentives for employees who drive electric or hybrid vehicles to work**
- **Install EV charging points to accommodate electric fleet vehicles and electric vehicle owners**
- **Encourage employees to work from home or telecommute part-time to reduce the need for daily commuting**
- **Offer flexible work hours to help employees avoid peak travel times and reduce congestion**

Employee Engagement and Cultural Transformation

- **Appoint a sustainability representative/leader to share and implement best practice, increasing accountability**
- **Increase carbon literacy across the team by offering workshops or coaching**
- **Reward and encourage sustainable behaviours**
- **Start conversations and have protected time for Net Zero progress**

Supply Chain/Procurement

- **Procurement of 'green' electricity**
- **Work closely with suppliers to improve their knowledge and in turn take steps to decarbonise their businesses**
- **Seeking procurement from suppliers with transparent Net Zero policies**
- **Support suppliers offering circular solutions**

A low-angle photograph of a dense forest canopy with vibrant green leaves and dark tree trunks reaching towards a blue sky with scattered white clouds.

Waste/Resource Management

- **Implementing policies to ensure materials received are sorted thoroughly, recycling all that is recyclable and making use of open/closed-loop (cradle to cradle) potential** This applies to the materials wasted internally and the materials collected as part of the circle waste service
- **Making efforts to transform the culture around 'waste' with engagement and incentives. Work to reframe minds – changing a waste management processes into a materials management process. The concept of 'waste' must be phased out if we wish to reduce emissions and use our finite supply of resources wisely. Remember there is no such thing as 'away' (to throw away)**
- **Build new partnerships with recycling companies and organisations looking to source recycled materials. There is increasing value in producing new products from by-products or recycled materials**
- **Reference other waste management companies' decarbonisation plans. Net Zero requires collaborative action, sharing of ideas and best practice. We must set aside our competitive tendencies**
- **Exploring potential uses for disused skips**
- **Properly manage electronic waste (e-waste) through seeking refurbishment or responsible recycling programmes**

Policy, Governance and Accreditation

- **Collaborate with industry peers, NGOs, and government bodies to advocate for stronger climate policies and share best practices**
- **Introduce new policies that exist to promote sustainable resource management and environmental stewardship**
- **Seek accreditation which guides and supports further positive change**

Offsetting

- Offset our recorded emissions annually
- Fund climate-positive removal and avoidance projects
- Seek local projects as a priority that have a positive community impact and Biodiversity Net Gain

Actionable Carbon Reduction Plan

Target Area (+ current CO ₂ e if applicable)	Recommended Action	Implementation	Owner/ Responsibility	Predicted Reduction	Action Complete
Scope 2	Switch to 'Green Electricity'	October 2023	LM	11.67% of Total CO ₂ e	YES
Scope 3	Measure Full Scope 3 emissions	2023	DA/LM	N/a	IN PROGRESS
Scope 1	Change complete fleet to electric	2024	LM	11.04% of Total CO ₂ e	IN PROGRESS
Scope 1/2/3/4	Onboard staff for cultural transformation using coaching or workshops	2023/2024	LM	N/a	IN PROGRESS
	NEXT REVIEW	1/04/2024	LM		

Declaration and Sign-off

This Carbon Reduction Plan has been produced with standards aligned with PPN 06/21 required for SBTi Carbon Reduction Plans.

The report was formulated using GHG protocol and all available conversion factors offered by the Government. Scope 1 and scope 2 emissions have been reported in accordance with SECR requirements. 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.

Approved by:

A handwritten signature in black ink, consisting of a series of loops and a long horizontal stroke.

Job Title: Compliance Manager

Date: 2nd October 2023

