



Carbon Reduction Plan

Publication date: 29th August 2024

Commitment to achieving Net Zero

Green World Recycling Ltd is committed to achieving Net Zero emissions by 2050.

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: 2022	
Additional Details relating to the Baseline Emissions calculations.	
<p><i>Carbon Footprint Initial Assessment</i></p> <p><i>As agreed with Green World Recycling at the initial meeting with EnTRESS project member, the following scope 1,2 emissions have been calculated for the baseline year of 2022. This is limited to:</i></p> <ul style="list-style-type: none"> - <i>Procured Electricity</i> - <i>Procured Gas</i> - <i>Vehicle Emissions</i> - <i>Scope 3, Category 6 – Business Travel</i> <p><i>Scope 3, Category 7 – Employee Commuting – has been deselected on this occasion, but is recommended for inclusion into any future reports, and we recommend that a detailed employee survey be designed to ensure that the appropriate level of detail is obtained.</i></p>	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	Procured Electricity: 7706kg/CO ₂ /Year, or 7.7 tonnes. Procured Gas: 7.79Kg/CO ₂





Unit 15, The Hayes Trading Estate
 Folkes Road, Lye, Stourbridge
 West Midlands - DY9 8RG
 Tel: 01384 422 554
 Email: info@greenworldrec.co.uk
www.greenworldrec.co.uk

Scope 2	Vehicle Emissions: 192,006 Kg/CO ₂ , or 192 Tonnes CO ₂ .
Scope 3 (Included Sources)	Scope 3, Category 6 – Business Travel: 5.788tonnes CO ₂ .
Total Emissions	Total declared Carbon Footprint within the aforementioned scopes: = 213.27 tonnes CO₂ in 2022.

Current Emissions Reporting

Reporting Year: 2023	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	Procured Electricity: 7284.89kg/CO ₂ /Year, or 7.28 tonnes. Procured Gas: 6.39Kg/CO ₂ ,
Scope 2	Vehicle Emissions: 162,036 Kg/CO ₂ , or 162 Tonnes CO ₂ .
Scope 3 (Included Sources)	Scope 3, Category 6 – Business Travel: 0.98 tones CO ₂
Total Emissions	Total declared Carbon Footprint within the aforementioned scopes: = 179.65 tonnes CO₂ in 2023.

Emissions reduction targets

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

Reduce to minimum lorry usage for the works, this will reduce emissions from used vehicles. Currently available one lorry, and its usage is stopped at the moment.

Reduce national and international travels and use where appropriate IT solutions.

- International business travel/ flight reduction from 5 times a year to 3 times a year by 2027
- National manager level business travel by land reduced from 5 times a year to 2 times a year by 2027

Install where possible LED saving lightening by 2027.



Green World Recycling Ltd. Company No. 3558720
 VAT no. GB 713 6086 47





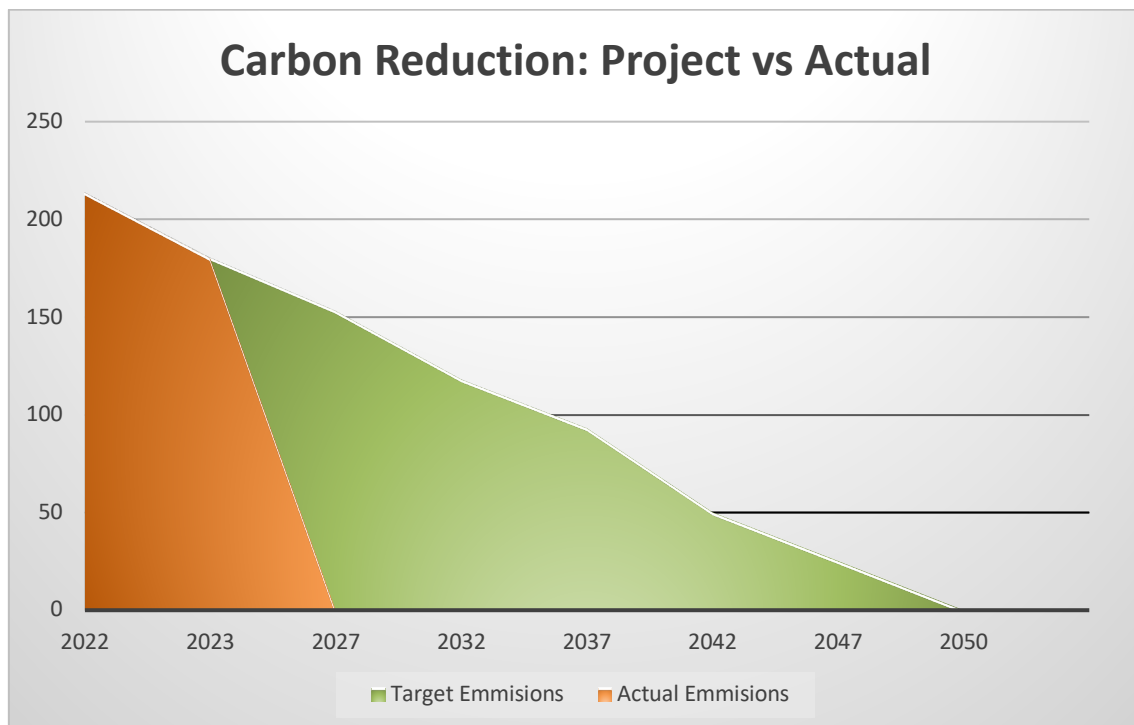
Update heating systems or heating options where possible by 2027.

Renew fleet with more environment friendly vehicles where reasonable.

- Currently we have policy not to use vehicles older than 5 years, however with new technologies changing swiftly it is wise to keep vehicles, if reliable, longer time to see developments in the market.

We project that carbon emissions will decrease from 2022 over the next five years to **153** tCO₂e by 2027. This is a reduction of 28% comparing with the baseline in 2022.

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



Carbon Reduction Projects

The following environmental management measures and projects have been completed or implemented since the 2022 baseline. The carbon emission reduction achieved by these schemes equate to 179.56t CO₂e, a 16%ge reduction against the 2022 baseline.

In 2023 Green World Recycling Ltd started looking into the theme of sustainability and Carbon Reduction in general in order to secure more public sector work, providing the company with a carbon footprint benchmark and roadmap for decarbonisation, allowing the company to provide a compelling response to procurement tenders and frameworks.



Unit 15, The Hayes Trading Estate
Folkes Road, Lye, Stourbridge
West Midlands - DY9 8RG
Tel: 01384 422 554
Email: info@greenworldrec.co.uk
www.greenworldrec.co.uk

We participated in European Regional Development Fund 2014-2020 Programme where EnTRESS project generated a review of the company's operations, undertaking a scope 1&2 carbon emissions benchmark assessment, providing a roadmap for decarbonisation, along with other qualitative sustainability advice. This report is available upon request.

GWR Ltd is relatively small enterprise to seek certification from other bodies, like ISO 14068-1 an international standard that provides organisations with a framework to achieve carbon neutrality or similar. This is not cost effective.

We are committed to measure, record and make available upon request or collected data for Scopes 1,2 and 3. Our commitment also shows with the participation in **Textiles 2030** project where on annual basis we submit necessary data to see nationally where we, as an industry, stand.

GWR Ltd has committed to reduce company travel and flights by reasonably compromising with IT advantages and support for vital meetings.

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

- Quarter reports with employee travel emissions
- Quarter trends for electricity/ gas and water usage
- Quarter data for used fuel (litters) and milage driven with company's vehicles.

We believe by measuring on short enough time scale necessary data, we can see current trends and analyse them. This understanding would give insight weather it is connected to the people behaviour, change in environment or economy.

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with associated guidance and reporting standard for Carbon Reduction Plans.

This Carbon Reduction Plan has been reviewed and signed off by the Managing Director.

Date: 29th August 2024



Green World Recycling Ltd. Company No. 3558720
VAT no. GB 713 6086 47

