



Polystar Plastics Limited – Carbon Footprint Statement and Net Zero Carbon Reduction Plan

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About Us

Polystar Plastics Limited is a UK-based manufacturer specialising in the production of polythene packaging solutions for a broad range of industrial and commercial sectors. With over 20 years of experience, we have built a strong reputation for innovation, reliability, and product quality. Operating from our Southampton-based facility, Polystar provides high-performance films and bags, including recycled and biodegradable options, reflecting our commitment to sustainability and responsible manufacturing. We support clients across industries such as retail, healthcare, agriculture, and construction, offering tailored solutions designed to meet diverse packaging and environmental needs.

Commitment to Achieving Net Zero

Polystar Plastics Limited is committed to achieving Net Zero emissions by 2050, by implementing our Carbon Reduction Plan.

Scope 3 emissions represent 97.33% of our total in-scope emissions. Therefore, achieving the 2050 target will mostly require focused action across our value chain. We plan to reduce these emissions through initiatives such as developing a green commuting policy, reducing business travel through online meetings where feasible, and engaging with key suppliers to identify lower-carbon materials, packaging and procurement options. These actions will be supported by wider improvements in UK infrastructure and industry, including cleaner transport, lower-carbon logistics and continued grid decarbonisation.

As 1st August 2024 to 31st July 2025 is our baseline and current year, we will strive to implement and develop various carbon reduction activities in the future, and we are confident that we can achieve business growth without the same subsequent increase in our 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: 1st August 2024 to 31st July 2025	
Additional Details relating to the Baseline Emissions calculations.	
We have made a comprehensive audit of the included scope emissions from this baseline year in order to get a full impression of business as usual emissions. Our projections are based on growth of the business which are reflected in our Business As Usual CO ₂ e emissions. We have made these calculations based on Operational Control of our emissions. There is no previous reporting and therefore our baseline emissions and reporting year emissions are equivalent.	
Baseline year emissions:	
EMISSIONS	TOTAL (tCO₂e)
Scope 1	178.68
Scope 2	1,924.19
Scope 3 (Included Sources)	76,552.88 This includes the emissions from the following required sources of Scope 3: <ul style="list-style-type: none"> • Purchased Goods and Services • Capital Goods • Fuel and Energy Related Activities • Upstream Transportation and Distribution • Waste Generated in Operations • Business Travel • Employee Commuting • Downstream Transportation and Distribution • Processing of Sold Products • End-of-Life Treatment of Sold Products
Total Emissions	78,655.75 (tCO₂e)

Current Emissions Reporting

Reporting Year: 1 st August 2024 to 31 st July 2025	
EMISSIONS	TOTAL (tCO ₂ e)
Scope 1	178.68
Scope 2	1,924.19
Scope 3 (Included Sources)	76,552.88 This includes the emissions from the following required sources of Scope 3: <ul style="list-style-type: none"> • Purchased Goods and Services • Capital Goods • Fuel and Energy Related Activities • Upstream Transportation and Distribution • Waste Generated in Operations • Business Travel • Employee Commuting • Downstream Transportation and Distribution • Processing of Sold Products • End-of-Life Treatment of Sold Products
Total Emissions	78,655.75 (tCO₂e)

Note on Scope 3 emissions

Our reported Scope 3 emissions have increased primarily due to a change in reporting boundary and methodology during the reporting year. The current year figure includes a wider range of relevant Scope 3 categories, including purchased goods and services, in line with PPN 006 reporting requirements.

Accordingly, our current year Scope 3 figure is not directly comparable with the prior year figure. The movement reflects the inclusion of additional value-chain emissions sources, rather than a like-for-like increase in operational emissions. The reporting year **1st August 2024 to 31st July 2025** will form the baseline for future reporting under the revised boundary.

Emissions Reduction Targets

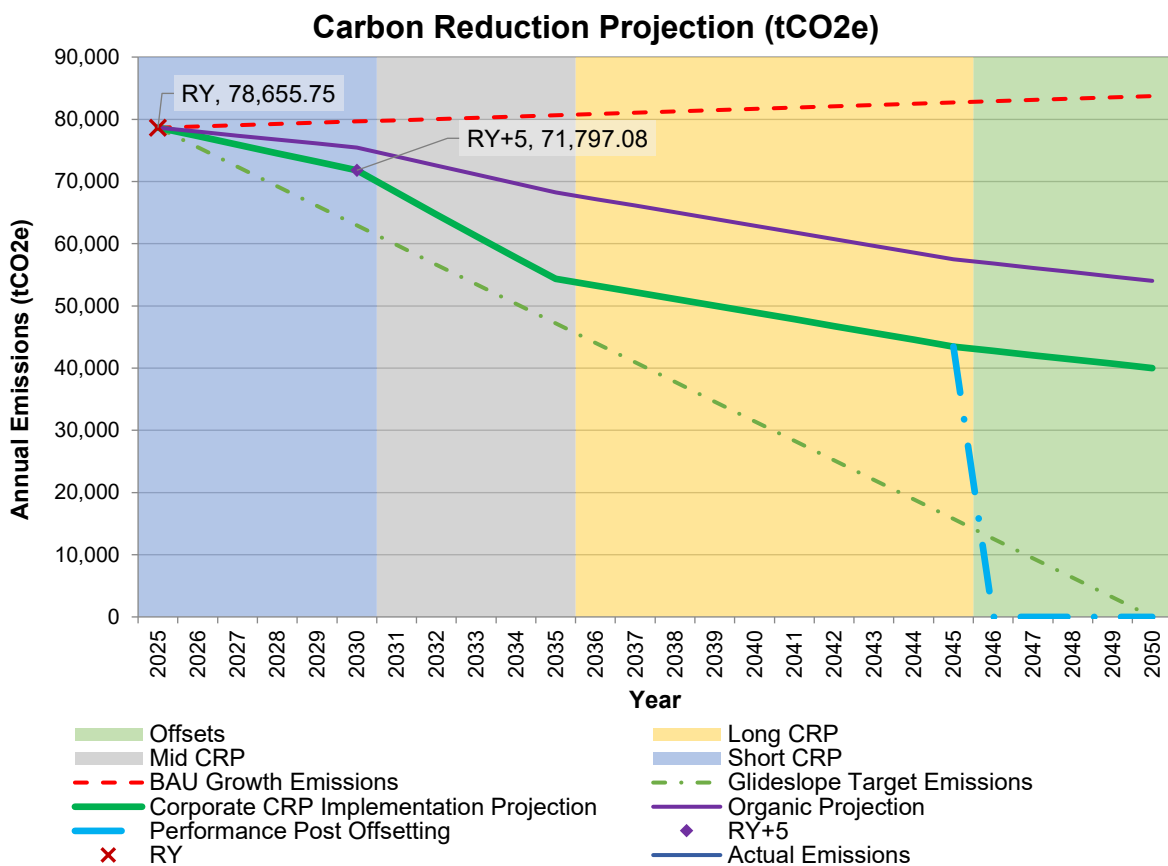
In order to continue our progress to achieving Net Zero, we have adopted the following carbon reduction targets.

We project that our Business As Usual (BAU) carbon emissions will increase over the next five years to 79,643.87 tCO₂e by FY2030. This is a 1.26% increase in our BAU emissions due to the growth of our business.

However, our current strategy is to make emissions reductions via a three-stage CRP and concluding with zero emissions by 2046 at the latest. It is our current intention to practicably minimise all emissions by 2045. From that point we aim to offset all residual emissions such that our carbon footprint defined by this disclosure is zero from 2045 and beyond.

Therefore, with taking our reduction actions into consideration, we project that carbon equivalent emissions will decrease over the next 5 years to 71,797.08 tCO₂e. This is a reduction of 9.85% against BAU.

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



Carbon Reduction Projects

The following environmental management measure has been completed or implemented during the August 2024 to July 2025 reporting period:

- We have implemented an equipment-level energy monitoring system that identifies machinery operating above expected energy consumption levels, enabling engineering review and corrective action to support ongoing reductions in energy use.

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

- **Sustainable commuting and employee travel**
We aim to develop a green commuting policy in the short term to raise awareness and support more sustainable travel among staff. This will include initiatives such as car sharing, working from home where appropriate, awareness training and promoting lower-carbon commuting options, including public transport. Over the longer term, we may also introduce a salary sacrifice scheme to support employees in transitioning to electric vehicles.
- **Energy efficiency and operational improvements**
We aim to carry out an energy audit across our operations and implement identified energy-saving opportunities. Potential actions may include onsite renewables, equipment upgrades and behavioural change measures, helping to reduce electricity and natural gas consumption and lower Scope 1 and Scope 2 emissions.
- **Business travel reduction**
We aim to reduce emissions from business travel by prioritising online meetings and other collaborative solutions where feasible. This will support emissions reductions while also reducing travel time and associated costs.
- **Logistics and delivery improvements**
We aim to improve inbound and outbound logistics over the mid-term by consolidating deliveries to site, reducing delivery frequency and improving load efficiency. We also aim to work with upstream and downstream logistics providers with strong green credentials, including those using lower-carbon transport modes and sustainable fuels.
- **Supply chain green procurement**
We aim to assess key purchased goods and capital goods suppliers, materials and procurement categories to identify carbon hotspots and lower-carbon alternatives, where appropriate. We also aim to develop a green procurement approach that considers supplier environmental credentials, embodied carbon, recycled content, durability, packaging and transport impacts.
- **Lower-carbon onsite fuels and equipment**
We aim to replace 50% of onsite fuel consumption with hydrotreated vegetable oil (HVO) as a medium-term action. We also aim to convert 50% of company forklifts to electric models, reducing reliance on onsite fuels while supporting the decarbonisation of site operations.
- **Company fleet transition**
We currently use electric vehicles within our company fleet and plan to gradually increase the proportion of plug-in hybrid and battery electric vehicles over the long term. This will support a reduction in Scope 1 emissions, although Scope 2 electricity consumption is expected to increase to a lesser extent.

We also anticipate some changes in UK industry and infrastructure which will help us to reduce our carbon footprint further:

- Sustainability improvements in public transport (affecting business travel and commuting emissions).
- Increasing availability and market share of electric vehicles (affecting business travel and commuting emissions).
- Sustainability improvements in third-party delivery vehicles (e.g. switching to electric vehicles), both upstream and downstream.
- Sustainability improvements in municipal waste management.
- Increased biofuel proportions in average biofuel blends of diesel and petrol used in vehicles.
- Reduction in the carbon content of National Grid electricity

Declaration and Sign Off

This Carbon Reduction Plan has been completed in accordance with PPN 006 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 standard¹ and uses the appropriate Government emission conversion factors for greenhouse gas company reporting².

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) Standard³.

This Carbon Reduction Plan has been reviewed and signed off by the board of directors (or equivalent management body).



Signed.....

Rebecca Talwar
Name.....

Director
Position.....

16/04/2026
Date:

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>